3rd Asia Pacific Conference
Industrial Engineering and Operations Management

Johor Bahru,
Malaysia

SEPTEMBER 13-15, 2022

Host
Co-Host
Welcome to the 3rd Asia Pacific Conference on Industrial Engineering and Operations Management (IEOM)  
Johor Bahru, Malaysia, September 13-15, 2022

To All-Conference Attendees:

On behalf of the IEOM Society International, we would like to welcome you to the 3rd Asia Pacific Conference on Industrial Engineering and Operations Management, September 13-15, 2022, hosted by Universiti Teknologi Malaysia, Johor Bahru, Malaysia. This prestigious international event provides a forum for academics, researchers, and practitioners from many industries to exchange ideas and share recent developments in the fields of industrial engineering and operations management. This diverse international event provides an opportunity to collaborate and advance the theory and practice of current trends in industrial engineering and operations management. There were more than 700 papers/abstracts submitted from 35 countries. This conference will address many of the issues concerning the continuous improvement activities in service, healthcare, logistics and manufacturing areas.

The IEOM Society is delighted to have the following keynote speakers to address some current issues and trends in Industrial Engineering and Operations Management:

1. Dr. Elsayed A. Elsayed, Distinguished Professor, Rutgers University, New Jersey, USA
2. Dr. Muhamad Nurjyadi Tamam, Director, Malaysia Productivity Corporation, Malaysia
3. Dr. Wawan Dhewanto, Professor of Enterpreneurship, Institut Teknologi Bandung, Indonesia
4. Casey Ang, Founder, Lenoxcells Consulting, Malaysia
5. Prof. Duc Truong Pham, Chance Chair of Engineering, University of Birmingham, UK
6. Dr. Mohd Azman Idris, Senior General Manager, SIRIM STS Sdn Bhd, Malaysia
7. Prof. Dr Mohamad Sattar Rasul, Chairman of STEM Enculturation Center, Universiti Kebangsaan Malaysia
8. Dr. Muhammad Nizam, Professor, Sebelas Maret University, Indonesia
9. Prof. Kerstin Johansen, Full Professor in Integrated Product and Production Development. Jonkoping University, Sweden
10. Paul Odomirok, President and CEO, Performance Excellence Associates, Florida, USA
11. Prof. Nigel Grigg, Professor of Quality Systems, Massey University, New Zealand
12. David Khaw, President, Project Management Institute Malaysia Chapter, Malaysia
13. Dr. Matloub Hussain, Professor of Operations and Supply Chain Management, University of Sharjah, UAE

At this conference, the IEOM Society will hold its 34th Global Engineering Education session. It will feature distinguished speakers who will discuss workforce readiness and engineering education challenges and opportunities. Held concurrently, The 13th IEOM Global Supply Chain and Logistics will address the global logistic challenges due to the pandemic environment. The forth IEOM Global Business Management Education will focus on business operations improvement. Panel sessions have been planned: Halal Supply Chain, Women in Industry and Academia, Lean Six Sigma, Renewable Energy, Diversity & Inclusion sponsored by Ford Motor Company and Technopreneurship

The IEOM Society would like to express our deep appreciation to our sponsors, university partners, organization partners, exhibitors, authors, reviewers, keynote speakers, panelists, track chairs, the local organization committee, and the student volunteers who have given so much of their time and commitment to make this prestigious international conference an overwhelming success.

Our host, Universiti Teknologi Malaysia would like to extend a warm welcome to all conference participants and wishes to all of you for a successful and memorable event.
Greetings Conference Attendees:

On behalf of the IEOM Society International, we would like to welcome you to the event of the 3rd Asia Pacific Conference on Industrial Engineering and Operations Management, September 13-15, 2022. This event is hosted by Universiti Teknologi Malaysia (UTM) and co-hosted by Universitas Sebelas Maret (UNS). By taking the theme "Reconstructing and Developing Industrial Engineering and Operation Management Sciences in Volatility, Uncertainty, Complexity, Ambiguity (VUCA) Situation," this prestigious event provides a forum for academics, researchers, and practitioners from many industries to exchange ideas, knowledge, and experiences on issues related to changing and dynamic trend in Industrial Engineering and Operations Management. Held annually by IEOM International, this diverse international event provides an opportunity to collaborate and advance theory and practice, as well as a healthy competition atmosphere among fellow researchers and students.

The 34th IEOM Global Engineering Education and 2nd Indonesia Engineering Education Conference (IEEC) session will feature distinguished speakers discussing workforce readiness and engineering education challenges and opportunities. The 33rd IEOM Industry Solutions and Industry 4.0 will showcase industry best practices and intelligent integration. The 13th IEOM Global Supply Chain and Logistics will be jointly organized with UIN Sunan Kalijaga Yogyakarta as the initiation of the International Conference on Industrial Engineering and Halal Industries (CIEHIS) will explore current worldwide issues, such as Halal Supply Chain. In addition, several outstanding panel sessions will explore current worldwide issues, such as Women in Industry and Academia (WIIA), Renewable Energy, Diversity and Inclusion, and Technopreneurship with the theme ‘technopreneur and business innovation in the field of vehicle electrification.

Students can also take part in various competitions to challenge themselves about their competencies and apply their knowledge to solve real problems, including paper competitions for undergraduate and master; thesis & dissertation competitions; competition for a capstone design project; human factors and ergonomics; lean six sigma; simulation; supply chain and logistics; as well as poster competition.

As co-host, Universitas Sebelas Maret invites everyone to make this activity a real and meaningful action ‘reconstructing and developing IE & OM sciences in the VUCA situation’. Universitas Sebelas Maret expresses our deep appreciation to the conference organizing committee, international and local organization partners, 15 distinguished keynote speakers, 30 outstanding invited speakers, and more than 700 paper authors from more than 43 countries who create a wonderful collaboration in making an overwhelmingly successful event.

Success is a part of progress, as a reward from moving forward. It is time for Indonesia to go global and be global.

Enjoy the conference!
Keynote Speakers – Room 1
September 13, 2022

Conference Welcome and Opening: Tuesday, September 13, 2022, 9:30 – 10:00 am

Opening Keynote I: Tuesday, September 13, 2022, 10:00 – 10:40 am
Session Chair: Associate Professor Dr. Adnan Bin Hassan (Universiti Teknologi Malaysia, UTM)

Dr. Elsayed A. Elsayed
Distinguished Professor
Industrial and Systems Engineering
Rutgers University
New Brunswick, NJ, U.S.A.

E.A. Elsayed is Distinguished Professor in the Department of Industrial and Systems Engineering, Rutgers University. He is also the Director of the NSF/Industry/University Co-operative Research Center for Quality and Reliability Engineering. His research interests are in the areas of quality and reliability engineering and Production Planning and Control. He is a co-author of Quality Engineering in Production Systems, McGraw Hill Book Company, 1989. He is also the author of Reliability Engineering, Addison-Wesley, 1996. These two books received the 1990 and 1997 IIE Joint Publishers Book-of-the-Year Award respectively. His recent book Reliability Engineering 2nd Edition, Wiley, 2012 received the 2013 Outstanding IIE Publication.

Dr. Elsayed is also a co-author of Analysis and Control of Production Systems, Prentice-Hall, 2nd Edition, 1994. His research has been funded by the DoD, FAA, NSF and industry. Dr. Elsayed has been a consultant for AT&T Bell Laboratories, Ingersoll-Rand, Johnson & Johnson, Personal Products, AT&T Communications, BellCore and other companies. He served as the Editor-in-Chief of the IIE Transactions and the Editor of the IIE Transactions on Quality and Reliability Engineering. He is Editor-in-Chief of Quality Technology and Quality Management. Dr. Elsayed is also the Editor of the International Journal of Reliability, Quality and Safety Engineering. He serves on the editorial boards of eight journals in different capacities. He served an external evaluator for many undergraduate and graduate programs.

Dr. Elsayed is a frequent keynote speakers in National and International Conferences and is the recipient of many awards including Golomski Award for the outstanding paper, William Mong Distinguished Lecturers Award, David F. Baker Research Award of the Institute of Industrial Engineers for Research Contributions to the discipline of Industrial Engineering, inducted member of the Russian Academy for Quality, IIE (Institute of Industrial Engineers) Fellow Award, ASME Fellow, Senior Fulbright Award and the Recipient of 2011 Thomas Alva Edison Award for US Patent 7,115,089 B2.

Keynote II: Tuesday, September 13, 2022, 10:40 – 11:20 am
Session Chair: Associate Professor Dr. Jafri Bin Mohd Rohani (Universiti Teknologi Malaysia, UTM)

Dr. Mohamad Norjayadi Tamam
Director
Delivery Management Office
Productivity Growth Department
Malaysia Productivity Corporation
Lorong Produktiviti Selangor Darul Ehsan
Malaysia

Dr. Mohamad Norjayadi B. Tamam is a trained consultant specifically in the area of Productivity & Quality (P&Q) enhancement programme. His current responsibilities is to ensure the successful implementation of the Malaysia Productivity Blueprint (MPB) by coordinating, monitoring and evaluating implementation of productivity strategies by both public and private sector players. At the Delivery Management Office (DMO), he work closely with the stakeholders and the 11 Productivity Nexus to spearhead the productivity roles to propel Malaysia to become an advanced economy and inclusive nation. Together with DMO’s dedicated team and the 11 Productivity Nexus, he contributes to the success implementation of initiatives related to encourage adoption of digital technology among businesses. The implementation of initiatives such as Business Virtual Advisory Services (BVAS) in 2020 and MyReskill Industrial Internet of Things (IIoT) in 2021 under his purview has contributed to encourage adoption of digital technology among the businesses.
Keynote III: Tuesday, September 13, 2022, 10:40 – 11:20 am

Session Chair: Professor Dr. Wahyudi Sutopo (Universitas Sebelas Maret, Surakarta, Indonesia)

**Dr. Wawan Dhewanto**  
Professor of Entrepreneurship  
School of Business and Management (SBM)  
Institut Teknologi Bandung (ITB)  
Indonesia

Wawan Dhewanto is a Professor of Entrepreneurship at School of Business and Management (SBM), Institut Teknologi Bandung (ITB), Indonesia. His research interests are on Entrepreneurship, Entrepreneurial Leadership, Management of Innovation and Technology, Digital StartUp, and Small and Medium Enterprise (SME) Internationalisation.

Wawan Dhewanto obtained his bachelor degree from the department of Industrial Engineering, Institut Teknologi Bandung (ITB) Indonesia. He got a Huygens scholarship to continue his study in Faculty of Technology, Policy and Management at the Technische Universiteit Delft (TU Delft), Netherlands. Then he was awarded the Australian Development Scholarship to finish his PhD, at Faculty of Business and Economics, Monash University, Australia.

Wawan Dhewanto joined the School of Business and Management (SBM) Institut Teknologi Bandung (ITB) in January 2004 and he was involved in developing Entrepreneurship and Technology Management (ETM) Research Group. He was the head of that Research Group between 2012 and 2017. He also was involved in developing and became the Director of SBM ITB’s newest Study Program, Bachelor Program on Entrepreneurship, between 2013 and 2018. Between 2012 and 2015, he served as Head of Entrepreneurship Development Division of ITB Entrepreneurship and Innovation Development Institute (LPIK ITB). Then he served as General Secretary of ITB Academic Senate (SA ITB) since 2019.

Keynote IV: Tuesday, September 13, 2022, 12:00 – 12:40 pm

Session Chair: Professor Dr. Wong Kuan Yew (Universiti Teknologi Malaysia, UTM)

**Casey Ang**  
Founder of Operational Skills Development Centre  
Pulau Pinang, Malaysia

Casey has close to twenty years of experience in driving operational & business process improvement and organizational change across different industries such as Electronics Manufacturing Services, Metal Fabrication, Tyre Manufacturing, Injection Moulding, Packaging, Automation Inspection Machine, Furniture industry, and Gold Jewellery Manufacturing. He is specializing in the areas of Operational Excellence, Lean Six Sigma and Process Digitalization across various manufacturing industries (MNCs and SMEs). He is also the founder of Operational Skills Development Centre (OSDC), an Advisory Board Member of Operational Excellence Society and the recipient of the Malaysia Productivity Champion from years 2017 to 2019.

Keynote V: Wednesday, September 14, 2022, 9:20 – 10:00 am

Session Chair: Associate Professor Dr. Adnan Bin Hassan (Universiti Teknologi Malaysia, UTM)

**Prof. Duc Truong Pham**  
Chance Chair of Engineering  
University of Birmingham  
UK

Duc Truong Pham OBE FREng FLSW FSME FIET FIMechE PhD DEng holds the Chance Chair of Engineering at the University of Birmingham where he started his career as a lecturer in robotics and control engineering following undergraduate and postgraduate studies at the University of Canterbury in New Zealand. Before returning to Birmingham in 2011, he was Professor of Computer-Controlled Manufacture and Director of the Manufacturing Engineering Centre at Cardiff University. His research is in the areas of intelligent systems, robotics and autonomous systems and advanced manufacturing and remanufacturing technology. His academic output includes more than 600 technical papers and 16 authored and edited books. He has supervised over 100 PhD theses to completion and has won in excess of £30M in external research grants and contracts.
Keynote VI: Wednesday, September 14, 2022, 10:00 – 10:40 am

Session Chair: Associate Professor Dr. Jafri Bin Mohd Rohani (Universiti Teknologi Malaysia, UTM)

Dr. Mohd Azman Idris
Senior General Manager
SIRIM STS Sdn Bhd (a wholly-owned subsidiary of SIRIM Berhad)
Shah Alam, Selangor
Malaysia

Dr. Mohd Azman Idris joined SIRIM in 1986 after graduating in Mechanical Engineering from University of Swansea, Wales, United Kingdom. He later obtained his Master in Manufacturing Systems Engineering from Warwick University, United Kingdom in 1993. He was awarded his PhD. from University of Paisley, United Kingdom in 1998 for a thesis entitled “A TQM Implementation Model for SMEs Manufacturing Industries”. He has published more than 20 papers related to quality management and SMEs development with special focus on SMEs.

During his appointment as APEC – IQAS Expert/Trainer for Standards Based Management (1998-2002), he has conducted training on Standards Based Management in Philippine, Taiwan, Brunei and Vietnam. He has successfully completed 12 ISO 9000 and TQM related projects (1997 – 2005). His research interests include Quality Management and SME Development.


Currently he is the Senior General Manager for SIRIM STS Sdn Bhd (a wholly-owned subsidiary of SIRIM Berhad) responsible for leading and managing the training, consultancy standards development services offered by the company. Services include Standards Based Management Systems, Quality Tools and Techniques, and Best Practices.

Keynote VII: Wednesday, September 14, 2022, 10:40 – 11:20 am

Session Chair: Associate Professor Dr. Syed Helmi Bin Syed Hassan (Universiti Teknologi Malaysia, UTM)

Professor Ts. Dr. Mohamad Sattar Rasul
Chairman of STEM Enculturation Center, Faculty of Education
Universiti Kebangsaan Malaysia (UKM)
Bandar Baru Bangi, Selangor
Malaysia

His research area include TVET Curriculum, TVET Career Development, and STEM Education. In 2018, he received an Award of the Most Highest Researchers Receiving External Research Grant. He has received a number of grants from NGO’s and industry such as FELDA, Exxonmobil (7 years in a row from 2015) and Tabung Haji (TH) (2 years in a row from 2017) for STEM development and received grants for TVET research from MARA and MoHR and MoE. In 2019, he received Malaysian Research Assessment (MyRA) outstanding award 2019.

His excellence as a dynamic academic expert also recorded the recognition, he has won the Community Involvement/Engagement Award in 2015 and 2019 as an academic with a very active community engagement. In 2018 he has won the “Most Published in Indexed Journal (WGS / SCOPUS / ERA)” award. Until now he has published 193 articles in indexed journals and 14 academic books. At the international level, he won the Gold Award and the Best of the Best Award in Innovative Practices in STEM Education and Industry Exhibition (I-PEINX) 2016.

At the international level, he has been appointed as Local Consultant for Malaysia by the Department of Skills Development (DSD), Ministry of Human Resources Malaysia (MoHR) and International Organizations for Migration (IOM) the UN Migration Agency for Certification System of ASEAN Guiding Principle (AGP) Assurance and Recognition. As the Board Members of Asian Academic Society for Vocational Education and Training (AASVET) and Members of IVETA (International Vocational Education and Training Association). He is also the Editor of Journal of Asian Academic Society for Vocational Education and Training (JAVET) and Malaysian Journal of Education (MJE). He also being appointed as Assessor for Asia Pacific Accreditation and Certification Commission (APACC) starting June 2019. As for international research he is the Project Overseer Information for Asia-Pacific Economic Cooperation (APEC) for the project of Actualization of Integrated STEM Degree Programmes. Until present he has been as keynotes speakers at more than 35 national and international conference/seminars.
Keynote VIII: Wednesday, September 14, 2022, 11:20 – 12:00 pm

Session Chair: Professor Dr. Wahyudi Sutopo (Universitas Sebelas Maret, Surakarta, Indonesia)

Muhammad Nizam Ir. Ph.D.
Professor
Coordinator of National Research Priority for Product: Energy Storage (Lithium) and Charging Station
Secretary of Centre of Excellence for Electrical Energy Storage Technology, UNS
Head of Engineering Academic Senate
Head of Electric Vehicle Technology and Sustainable Energy Systems Research Group
Sebelas Maret University
Surakarta, Indonesia

Muhammad Nizam is a professor at the Department of Electrical Engineering, Sebelas Maret University, Indonesia. He received his Bachelor's and Master's degrees from Gadjah Mada University, Indonesia, and his Ph.D. from the National University of Malaysia (UKM). Currently, Professor Nizam is in charge of national research projects and multinational companies related to electric vehicles, batteries, and renewable energy in Indonesia. His research interests are Power Systems, Power Quality, Energy Management, Energy Storage Systems, Electric Vehicles, and Battery Management Systems. One of his research interests is energy storage systems and their applications. He has published more than 100 publications in indexed international journals and seminars. Currently, he has been appointed as an advisor and consultant for several start-ups in the fields of battery technology, electric vehicles, and renewable energy. He is a professional engineer and member of IEEE, PES, and PII.

Keynote IX: Wednesday, September 14, 2022, 12:00 – 12:40 pm

Session Chair: Prof. Don Reimer, IEOM Society

Prof. Kerstin Johansen
Full Professor in Integrated Product and Production Development.
Project leader Resilient and Sustainable Production – Proactive greenfield and brownfield production development (RaSP)
Jönköping University
Sweden

Kerstin Johansen is Full Professor in Integrated Product and Production Development at Jönköping University and has more than 10 years of industrial experience. Kerstin is research leader of the Production Development Group in the Department of Industrial Product Development, Production and Design. Her research interest is on integrated product and production development, human-robot collaboration and sustainable manufacturing. She is project leader of the Swedish research project “RaSP – Resilient and Sustainable Production – Proactive greenfield and brownfield production development”. Dr Johansen joined Scientific Reports as an Editorial Board Member in 2021.

Keynote X: Thursday, September 15, 2022, 10:00 – 10:40 am

Session Chair: Dr. Ahad Ali, LTU

Paul Odomirok
President and CEO
Performance Excellence Associates, Inc.
St Augustine, Florida, USA

For the past 45 years, Paul has been involved in several careers spanning Academia, Engineering and Development, Manufacturing, Corporate Executive Leadership, Consulting and Entrepreneurship. In his ‘first career’, he taught Mathematics and Computer Science at all levels of learning, from Pre-School to Post-PhD. He was even involved in designing graduate level curriculums at the University of South Carolina as an Adjunct Professor. His second career began in 1985 with NCR (National Cash Register). Beginning as a Senior Programmer Analyst, he was promoted to Manager – Software Development, Product Manager, Manager – Product Management, Corporate Strategic Planner for Banking and Retail, Director – Retail Systems Product Integration, Retail Systems Manufacturing, Director of Quality and Customer Satisfaction, and Corporate Coach. During his stint in corporate America, he was involved in the NCR/AT&T merger, and was responsible, as a Director of Quality, for the cultural transformation and change leadership for the Retail Systems Division Organization in Duluth, Georgia, at the Lean Manufacturing Plant. Leveraging his involvement with Bell Labs Organization Effectiveness Group and Harvard Business School T.E.A.M. Research Study, he left NCR/AT&T in 1995 to pursue a consulting career, in the areas of Leadershıp, Strategy, and Performance Improvement. Over the past 25 years, he has worked with more than 100 organizations on over 250 strategic, leadership and performance improvement projects and programs. His past clients include Anixter, AT&T, Boeing, ISE, Motorola, GM, Northrop Grumanman, U.S. Department of Defense and many major Universities. Most recently he provided performance improvement assistance to LXE, Crosby Tools, CNA Insurance, Fibervisions, DeLaval, Perkins and Will, Boston Whaler, The Department of Defense, Care Logistics, Medivators, Med America, Sparton, Emory Hospital, Grady, Oscar Health, Health First, ASAA Insurance, The Georgia Hospital Association and many others encompassing several markets and industries including; Engineering, Manufacturing, Healthcare, Aerospace,

Keynote XI: Thursday, September 15, 2022, 10:40 – 11:20 am

Session Chair: Associate Professor Dr. Jafri Bin Mohd Rohani (Universiti Teknologi Malaysia, UTM)

Prof. Nigel Grigg
Professor of Quality Systems
Group Leader, Department of Operations and Engineering Innovation
Massey University
New Zealand

Nigel has been involved in quality management since the late 1980s, beginning with several quality-related roles in industry followed by three decades as an academic, researcher, trainer and consultant. He is currently Professor of Quality Systems at Massey University in New Zealand, and leads the Department of Operations and Engineering Innovation. Among his other roles, he is the Associate Editor of the Routledge international journal Total Quality Management and Business Excellence and is currently serving on the NZ national reference group to TC176 (ISO 9001). He is a Fellow of the UK Chartered Quality Institute, a Senior Member of the American Society for Quality, a former director and president of the New Zealand Organisation for Quality, and an active supporter of the Australian Organisation for Quality. He has published over 300 research papers, reports and book chapters related to quality management, Business Excellence and continuous improvement, and is currently pursuing a Certificate in Arts majoring in creative writing. He divides his time between homes in New Zealand and Thailand, and enjoys hillwalking and climbing; playing and recording original music; and motorcycle touring.

In this talk, Nigel will present an original model that he developed in 2020, which re-conceptualises quality management as a continual balancing act between creating and delivering value; managing risk; and controlling costs. He will explain how focusing on these fundamental elements can not only help with managing quality in the disruptive and often chaotic contexts within which organisations and supply chains are currently operating, but also provide a framework for selecting appropriate management tools to help with the dominant quality objectives at a given time.

Keynote XII: Thursday, September 15, 2022, 11:20 – 12:00 pm

Session Chair: Professor Dr. Noordin Bin Mohd Yusof (Universiti Teknologi Malaysia, UTM)

David Khaw
President, Project Management Institute Malaysia Chapter

David Khaw is the current Project Management Institute Malaysia Chapter President serving over 1,500 members throughout the nation. As a leader, David empowers the chapter volunteers to turn ideas into reality. He continues mentoring and coaching to inspire them to their maximum potential in their professional development. David holds a double master’s in Business Administration and Project Management from the University of Southern Queensland, Australia. He is also a certified Project Management Professional from Project Management Institute, Accredited Trainer from HRD Corp Malaysia, International Certified Professional Trainer from International Professional Managers Association, UK, and a trained ICF Coach. David continually advocates the essence of project management and coaching as life and professional skills.

Keynote XIII: Thursday, September 15, 2022, 12:00 – 12:40 pm

Session Chair: Associate Professor Dr. Azanizawati Binti Ma’aram (Universiti Teknologi Malaysia, UTM)

Dr. Matloub Hussain
Professor of Operations and Supply Chain Management
University of Sharjah
UAE

Dr. Matloub Hussain is a Professor of Operations and Supply Chain Management in College of Business (COB) of University of Sharjah, UAE. COB is the only business school in the region with AACSB and EQUIS Accreditations. Dr Hussain has a PhD from the Management School of University of Liverpool, UK, accredited by AACSB & AMBA. He has over 12 years of enriched academic experience. To his credit, Prof. Hussain has over seventy international refereed journal papers, three books, conference papers and many other scholarly contributions. He has been publishing in top journals of operations and supply chain management including, IJPR, IJPE, Renewable & Sustainable Energy Reviews, Tourism Management, etc. Prof. Hussain has won the Abu Dhabi University Researcher Award in 2017 and 2018 and CoB Research Awards in 2018, 2017 and 2016. He has been also honorarily selected as a University Research Fellow in year 2016-2017. He has been actively involved in various research projects inside and outside the University. Currently, he has a research grant of $ 50000 on the issue of social sustainability in healthcare supply chains of UAE. He is also involved in various consultancy projects with local industry and government institutions. He is currently a member of several professionals and academic societies/journals. Prof. Hussain is actively involved in DBA program review and chairing committees of DBA review and quality assurance. He has successfully supervised more than 15 DBA students. He has also served as a Chair of Department between 2019 to 2022.
Panel Sessions
Halal Supply Chain Panel
September 13, 2022, Time: 4:00 – 5:45 pm

Panel Chair

Dwi Agustina Kurniawati, M.Eng., Ph.D.
Associate Professor
Industrial Engineering Department
Former Head of Industrial Engineering Department
Head of Faculty Quality System Controller
Faculty of Science and Technology
UIN Sunan Kalijaga, Indonesia

Dwi Agustina Kurniawati, Ph.D. is an Associate Professor in Industrial Engineering, Faculty of Science and Engineering, Universitas Islam Negeri (UIN) Sunan Kalijaga, Indonesia. She finished her bachelor’s degree in Industrial Engineering from Bandung Institute of Technology (ITB), Indonesia in 2003. Then she pursued her master’s degree in Advanced Manufacturing Technology, Universiti Teknologi Malaysia (UTM) in 2006. She got Ph.D degree from Nanyang Technological University (NTU) in 2016, in Systems and Engineering Management, School of Mechanical and Aerospace Engineering, NTU, Singapore. She has published numerous papers, both in journals and proceedings (conferences). She also has reviewed lots of papers in Industrial Engineering area. Her current research is in supply chain, cross-dock warehouse, modelling system, operation research, scheduling and special issue in halal supply chain. She has received many research grants in her research area. Her biography is included in Who’s Who in the World year 2015 and 2018 and Who’s Who in Science and Engineering year 2016 and 2017 by Marquis Publication, USA. She was the former head of Industrial Engineering Laboratory and former head of Industrial Engineering Department. Currently, she becomes the head of Quality System Controller in her faculty and the head of Optimization, Operation Research and Industrial Systems Research Group (2ORIS-RG). She also becomes the member of INFORMS, IEOM and IAENG.

Panel Co-Chair

Dr. Azanizawati Ma’aram
Associate Professor
School of Mechanical Engineering
Faculty of Engineering
Universiti Teknologi Malaysia (UTM)
Johor, Malaysia

Azanizawati Ma’aram is an Associate Professor at the School of Mechanical Engineering, Faculty of Engineering, Universiti Teknologi Malaysia (UTM). She obtained her Bachelor of Engineering (Mechanical-Industrial) and Master of Engineering (Advanced Manufacturing Technology) from Universiti Teknologi Malaysia, Malaysia. She pursued her Doctorate of Philosophy (Ph.D) (Management) at the University of Liverpool, United Kingdom. She has held several positions including Director of Department of Materials, Manufacturing and Industrial Engineering, Associate Chair (Quality and Strategy), Head of Industrial Panel, Postgraduate Coordinator for Master of Science (Industrial Engineering), and Laboratory Coordinator for Industrial Engineering. She is certified as an Engineering Technologist (Ts.) by the Malaysia Board of Technologists (MBOT). She is a member of the International Association of Engineers (IAENG) and the Board of Engineers (BEM) Malaysia. She has taught courses in industrial engineering, supply chain management (undergraduate and postgraduate levels), engineering management and safety, work design, ergonomics and research methodology. Her research interests include supply chain management, performance measurement, lean manufacturing, sustainability, ergonomics, safety and medical devices. She is currently active as a Project Leader and a Project Member on numerous research projects and has secured several grants funded by the university, the Ministry of Education (MoE) and industrial grants that involve hospitals, industry collaborators as well as international researchers.

Panel Speaker I

Prof. Irwandi Jaswir
Research Coordinator at the Halal Industry Research Center
International Islamic University Malaysia (IIUM)
Kuala Lumpur, Malaysia

After completing his PhD, Irwandi joined International Islamic University Malaysia (IIUM) as an academic staff in 2001. Since then, Irwandi has held various administrative post, from Programme Coordinator, Deputy Dean (Students Affairs), and Deputy Dean (Research Initiatives) at Research Management Centre. In 2011, he received his Professorship and currently is appointed as the Director, International Institute for Halal Research and Training (INHART) of IIUM. Irwandi also serves as the Secretary, IIUM Council of Professor. His initial research began with his interest in lipid peroxidation and antioxidative activities of natural products. He then conducted studies on carotenoids and anti-cancer properties he started when he had 2-years fellowship in National Food Research Institute (NFRI), Japan, after receiving a prestigious Japan Society for Promotion of Science (JSPS) award. Currently, he is the principal researcher of 7 research projects, mostly in areas related to Halal Science, Food Biotechnology and Natural Products, funded by various funding agency such as the Ministry of Education (MOE), Ministry of Science, Technology and Innovation (MOSTI), and National Plans for Science and Technology (NPST), Kingdom of Saudi Arabia. Additionally, he is the co-researcher for another 14 on-going research projects. This is in addition to his 16 completed research projects where he was appointed as the principal investigator. To date, Irwandi has chalked up a remarkable achievement in research which include: 75 scientific papers published in reputable international journals; contributed to 30 book-chapters; presented...
more than 150 research papers in international conferences – including keynote address and invited lectures; written more than 50 non-refereed and mass-media scientific articles. His dedication to research has enabled him to file 3 patents under his name, and his outstanding achievement is recognized both locally and internationally, bagging more than 60 scientific awards. Irwandi is a three-time recipient of IIUM Outstanding Researcher Awards. He is also the recipient of Asia Pacific Young Scientist Award 2010 by SCOPUS and the prestigious Habibie Award 2013 in the field of Medicine and Biotechnology.

Panel Speaker II

Prof. Dr. Ir. Yandra Arkeman, M. Eng
Professor of Agricultural Industrial Technology
IPB University
Bogor, Indonesia

Yandra Arkeman is an expert in Artificial Intelligence (AI) and blockchain technology. He earned a PhD in Manufacturing Systems Engineering with dissertation on Intelligent Manufacturing Systems using Genetic Algorithms from University of South Australia (2000). Then he conducted his first Post Doctoral research at Department of Electrical Engineering and Computer Science, Kansai University, Osaka, Japan, for 2 years (2004-2006) and his second Post Doctoral research at Department of Computer Science, George Mason University, Fairfax, Virginia, USA, for 4 months (2009/2010). His biography is included in Who's Who in Science and Engineering 1998/1999 by Marquis Publication, USA.

He had a Master of Engineering in Advanced Manufacturing Technology from University of South Australia with the thesis on Application of Artificial Intelligence for Flexible Manufacturing Systems Design. He obtained his first degree in Agroindustrial Technology from Bogor Agricultural University (IPB), Indonesia, with the “skripsi” (undergraduate thesis) on CAQ (Computer Aided Quality).

He is a Professor at Department of Agroindustrial Technology as well as Department of Computer Science, IPB University. Since 2008, he also works at Surfactant and Bioenergy Research Center (SBRC) at IPB University, as a researcher on bioenergy sustainability and climate change. He was the Head of SBRC in 2019. He is now the Head of Master Program in Agro-Maritime Logistics, Post Graduate School, IPB University. He is also a researcher at Halal Science Center, IPB University.

In March 2014, he established a research group, namely CEALS (Center of Excellence for Agroindustrial Logistics and Supply Chain Management). In 2018 he established another research group, namely BRAIN (Blockchain, Robotics and Artificial Intelligence Networks. He is now focussing his research in the areas of applications of AI, blockchain and IoT (Internet of Things) for Agri-food and Bioenergy Logistics and SCM.

Panel Speaker III

Prof. Suhaiza Zailani
Professor of Supply Chain and Logistics, Faculty of Business and Accountancy
University of Malaya
Kuala Lumpur, Malaysia

Suhaiza Hanim Mohamad Zailani received her MSc and PhD in Management Science from Lancaster University, England, United Kingdom, in 1995 and 1998, respectively. She is a Professor of Supply Chain with the Faculty of Business and Accountancy, Universiti Malaya, and was a Director of the University Malaya Entrepreneurship Centre (UMEC). As a director, she was responsible for identifying attractive opportunities for the graduates to be excellence as an entrepreneur through her excellent industry linkage, both locally and overseas. Under her directorship, her center has been selected as the best 20 entrepreneurship centers in the world for the ACCSB Entrepreneurship Spotlight Challenge. This challenge showcases how AACSB-accredited schools engage with business practice to provide students an opportunity to gain to core skills required to be successful in business whether that business is a start-up or a world-renowned corporation.

Women in Industry and Academia (WIIA) Panel

September 13, 2022, Time: 6:00 – 7:45 pm

Panel Chair

Dr. Ir. Lina Gozali
Lecturer
Department of Industrial Engineering
Tarumanagara University
Jakarta, Indonesia

Lina Gozali is a lecturer of Industrial Engineering Department at Universitas Tarumanagara since 2006 and a freelance lecturer at Universitas Trisakti since 1995. She got her Bachelor degree at Trisakti University, Jakarta – Indonesia, then she graduated Master Degree at STIE IBII, Jakarta – Indonesia, and graduated her Ph.D at Universiti Teknologi Malaysia, Kuala Lumpur – Malaysia in 2018. Her apprentice college experience was in paper at Kertas Bekasi Teguh, shoe at PT Jaya Harapan Barutama, automotive chain drive industry at Federal Superior Chain Manufacturing. She teaches Production System and Supply Chain Management Subjects and her Ph.D research about Indonesian Business Incubator. She actively writes for almost 40 publication since 2008 in Industrial Engineering research sector such as: Production Scheduling, Plant Lay Out, Maintenance, Line Balancing, Supply Chain Management, Production Planning and Inventory Control. She had been worked at PT. Astra Otoparts Tbk as International Business Development Department for 4 years, Citibank, N.A as customer service for 1 year , PT. Pandrol as assistant marketing
Panel Co-Chair

Ts. Dr. Aini Zuhra Abdul Kadir
Associate Professor
School of Mechanical Engineering (SME)
Faculty of Engineering
Universiti Teknologi Malaysia (UTM)
Johor Bahru, Johor, Malaysia

Ts. Dr. Aini Zuhra Abdul Kadir is an Associate Professor at the School of Mechanical Engineering (SME), Faculty of Engineering, Universiti Teknologi Malaysia (UTM), Johor Bahru, Johor, Malaysia. Dr. Aini Zuhra obtained her Bachelor of Engineering (CAD/CAM) and Master of Engineering (Manufacturing) from University of Malaya, Malaysia and her PhD (Mechanical Engineering) from University of Auckland, New Zealand. In 2019, she conducted her Postdoctoral studies at Advanced Materials and Manufacturing Centre (AMMC), Universiti Tun Hussein Onn, Malaysia (UTHM). During this period, she was awarded a Postdoctoral Fellowship Grant under “REliability and Safety Engineering and Technology for large maritime engineering systems (RESET), Horizon 2020”, project for a secondment networking visit to University of Aalto, Finland. Between 2013-2019, she was appointed as the Coordinator for MSc (Advanced Manufacturing Technology) program. Currently, she is the Postgraduate Academic Manager at SME, Head of Advanced Manufacturing Research Group (AMRG) as well as the Group Leader for Future Ready Educators in Cooperative Learning. She currently teaches Product Design and Manufacture, Product Innovation and Development, STEP/STEP-NC, CAD/CAM/CAPP, Virtual Manufacturing and product design. Dr. Aini, has secured several government grants, is currently an active Project Leader and a Project Member of various community-based research organisations.

Panel Speaker I

Assoc. Prof. Ir. Dr. Hayati Abdullah
School of Mechanical Engineering
Universiti Teknologi Malaysia

PEng CEng CMarEng ASEE Eng REEM CPMV M. AFEO FIMarEST FIEM MIEEE MEPA
PhD (Mechanical Engineering) Universiti Teknologi Malaysia
M.Eng (Mechanical Engineering) Universiti Teknologi Malaysia
B.Sc (Mechanical Engineering) Clemson University, USA
Director, Centre for Advancement in Digital & Flexible Education, UTM CDex (2022 – present)
Chairman, Institution of Engineers, Malaysia (IEM Southern Branch), (2014 – 2016)
Board Member, Board of Engineers Malaysia (BEM), (2015 – 2016)

Professional Engineer with Practising Certificate (Mechanical), Board of Engineers Malaysia
Chartered Engineer, Engineering Council United Kingdom
Fellow, The Institute of Marine Engineering, Science and Technology, United Kingdom
Fellow, The Institution of Engineers Malaysia
Member, Institute of Electrical & Electronics Engineering, USA
Member, Malaysian Energy Professional Association
Registered Electrical Energy Manager, Energy Commission Malaysia
Certified Professional Measurement & Verification
Honorary Member, ASEAN Federation of Engineering Organisations 2016
Recipient of The Institution of Engineers, Malaysia (IEM) Woman Engineer Award 2015
Recipient of the Anugerah Akademik Negara (AAN) 2010 – Anugerah Pengajaran Kejuruteraan (National Academic Award 2010 – Teaching in Engineering Award)

Panel Speaker II

Assoc. Prof. Dr. Rabeatul Husna
Faculty of Social Science and Humanities
Universiti Teknologi Malaysia

Rabeatul Husna Abdull Rahman is an Associate Professor at the School of Human Resource Development & Psychology, University Technology of Malaysia. She earned her Bachelor’s and Master’s degrees in Human Resource Development from the University Technology of Malaysia, and her PhD in Social Science and Policy (Retention Strategies for Malaysian Engineers) from the University of New South Wales, Australia. Her research interests include female workers, disabled employees, gig workers, and migrant workers, among others. Her study focuses on improving individual and organisational well-being through human resource policies, practices, and strategies. She is currently conducting research on employees’ involvement in trade unions, issues and challenges faced by food riders and has been appointed as the reference expert for the Institute of Labour Market Information and Analysis (ILMIA), Malaysian Ministry of Human Resources, to assist with their research on Malaysians working in Singapore.
IEOM Malaysia Conference Panel Sessions September 13-15, 2022

Panel on Lean Six Sigma
September 14, 2022, Time: 4:00 – 5:45 pm

Panel Chair:

Dr. Felix C. Veroya, CIE, AAE, CLF, CKF, MBB, CSM, DHum
Professional Industrial Engineer | Associate ASEAN Engineer | Certified Lean Facilitator | Lean Six Sigma Master Black Belt | Certified Sprint Master | Doctor of Humanities
Manila, Philippines

Felix has a total of 11 years working experience in helping individuals and organizations to build and utilized competencies in Continuous Improvement, Innovation and Analytics across the fields of Academics, Logistics, Supply/Chain, Manufacturing, Training and Consulting for SMEs up to multinational corporations. He has proven skills relating to business administration, people management, research, statistical analysis, workshop facilitation and consulting. He was able to complete and coach projects utilizing proven tools and methodologies such as DMAIC (Six Sigma), SCORE (Lean), Design Thinking (Innovation) and self-initiated improvement frameworks on OEE/Capacity Improvement.
Panel Speaker I

**Dr. Rey B. Fremista**  
President, Philippine Society for Quality  
AVP – Lean Digital Transformation, Genpact  
Professorial Lecturer, MBA Program, Polytechnic University of the Philippines

Dr. Rey is an executive with expertise leading teams in process excellence, digital transformation, and analytics across diverse businesses. In his stint in the multinational companies he worked for, he was recognized in various company’s global awards for leading and implementing multiple innovative improvement programs and projects that delivered significant value to the organization.

He is the current President of the Philippine Society for Quality (PSQ), the AVP for Lean Digital Transformation of Genpact, and a Faculty Member of the MBA program of the Polytechnic University of the Philippines. He is also one of the 4 Appointees of the President of the Republic of the Philippines, President Rodrigo R. Duterte, to be part of the Philippine Quality Award Executive Committee. He also got nominated and elected to the International Academy for Quality (IAQ) as an Associate Academician.

He is a Certified Lean Six Sigma Master Black Belt, Certified Learning & Development Professional, Certified Digital Transformation Professional, and Certified in de Bono Six Thinking Hats®. He is a Fellow of the Royal Institution Singapore in Business Administration and in Research. He is also a Core Member of the Honorary Professional Certification Governance and Quality Council (HPCGQC) for the Operations Management Certification program of the Singapore Institute of Multidisciplinary Professions (SIMP).

He is a recipient of the International Individual Award from the Asia Pacific Quality Organization (APQO) in 2017 and of the Quality Manager of the Year Award, a national quality award, from PSQ in 2015 before he became part of the PSQ Board in 2016. He also received the Young Researcher’s Award 2020 from the Institute of Scholars, Angel Opeña Award from PSQ in 2021, and 2021 Global Leaders Award (Excellence in Leadership) and 2021 Global Educators Award – Innovation Category from Beyond Books Publication. He is also one of the 2021 Top 100 Filipinos in LinkedIn and 2020 Top 70 Rising Personalities on LinkedIn Philippines as published by Marketing in Asia.

He appeared in local and international conferences as a Resource Speaker and as a Keynote Speaker. He was once an Assessor of the Global Performance Excellence Award (GPEA) of APQO and an Assessor of the Philippine Quality Challenge/Award (PQA) of the Department of Trade and Industry (DTI).

He holds a Doctor in Business Administration degree from the Polytechnic University of the Philippines. He was a scholar of the Department of Science and Technology (DOST) and he was one of the few scholars of the Department of Information and Communication Technology (DICT) for the Business Analytics course for IT-BPM under University of the Philippines National Engineering Center. He is currently taking Post- Doctoral in Quality Management program at the Centro Escolar University.

Panel Speaker II

**Panel Co-Chair:**

*Dr. Erlaid Syahrial*  
Senior Lecturer  
Business Administration Department  
Azman Hashim International, Business School  
Universiti Teknologi Malaysia

Dr. Erlaid is a quality professional with over 15 years of experience. He has worked with various organizations in the public and private sector. He is currently a Senior Lecturer at Universiti Teknologi Malaysia. He has published several research papers and books. He is also a Certified Lean Six Sigma Black Belt and a Certified Six Sigma Green Belt. He has been involved in various quality improvement projects. He is a member of the International Association for Quality (IAQ) and the Malaysian Institute for Quality (MIQ). He is also a Member of the Honorary Professional Certification Governance and Quality Council (HPCGQC) for the Operations Management Certification program of the Singapore Institute of Multidisciplinary Professions (SIMP). He is also a Certified Lean/Kaizen Facilitator, a Certified Lean Six Sigma Master Black Belt, a Certified Design Sprint Master and a Chartered Business Advisor. Felix also leads international initiatives to the Philippines as Chairman of the International Association of Innovation Professionals (IAIP) and National President / Country Manager for Association for Manufacturing Excellence (AME). He has been elected as a Board Director of the Lean (Operational Excellence) Division of the Institute of Industrial & Systems Engineers (IISE). During the Pandemic, he founded an online community for Filipino Industrial Engineers called PINOY IEs to help the community to have a platform to communicate and collaborate things about the profession. With all the initiatives he designed and deployed to the Industrial Engineering community here in the Philippines, he has been conferred with an Honorary Doctoral Degree (Honoris Causa) by the Asian Seminary Leadership and University of Oklahoma. He won the Asia CEO Awards 2020 Young Leader of the Year and Entrepreneur of the Year Circle of Excellence Awards and this Q1 was awarded Outstanding Edupreneur of the Year by the World Education Leaders Summit and Awards and ASEAN Start Up Award Founder of the Year Finalist for the Philippines and recently awarded with the Asia CEO Awards 2021 Entrepreneur of the Year Circle of Excellence Finalists and Top 100 Filipinos on Linkedin. Recently, he was awarded as one of the Top 100 Filipinos in Linkedin and Outstanding International Trainer by the International Leaders and Achievers Award 2022.
Hood Atan

Full time trainer, auditor and management consultant in the fields of Quality, Health & Safety, Energy and Environmental Management system

Mr. Hood Atan graduated from University of Technology Malaysia with Bachelor in Mechanical Engineering. He then furthered his studies at University of Technology Malaysia for Master in Engineering-Industrial Engineering and Doctor of Philosophy : Industrial Engineering and Operations Management. Hood has been actively involved in the field of Continual Improvement activities since the beginning of his tertiary education. Having worked as a Quality Engineer, Quality Manager, Quality and Environmental Management Representative for numerous years from bottom, middle and to top management, Mr Hood brings along with him a wealth of regional knowledge and experience to share. With his more than 16 years experience in Quality and Business management system, he has conducted various training and workshop in the area of workplace improvement, QS-9000 and 7 packs standard requirements, ISO/TS 16949 standard, variation and waste reduction, and practical problem solving techniques including statistical tools. His industrial experience was in the automotive industry. During his stayed with the TRW Automotive and previous company, he was tasked with the responsibility of promoting and implementing VDA 6.3, QS-9000, IATF 16949, ISO14001 ISO 13485, EN16001, ISO 50001, OSHAS 18001 & ISO 45001 management system and Lean & Six Sigma within the Organization. Besides, he also responsible for supplier audit either local or oversea such as Vietnam, Thailand, Singapore, Indonesia, China and India. Presently Mr. Hood Atan is a full time trainer, auditor and management consultant in the fields of Quality, Health & Safety, Energy and Environmental Management system.

Panel Speaker III

Ts. Dr. Muhd Ikmal Isyraf bin Mohd Maulana
Senior Lecturer
Universiti Teknologi Malaysia (UTM)

Ts. Dr. Muhd Ikmal Isyraf bin Mohd Maulana currently work at the Universiti Teknologi Malaysia (UTM) as Senior Lecturer. A Ph.D. holder in Lean Product and Process Development from Cranfield University, United Kingdom. His core competencies are in Lean Product Development, Lean Manufacturing, Shop Floor Management, Lean Six Sigma, and Continuous Improvement. He received his bachelor’s degree in Mechanical Engineering with Honours from Universiti Tun Hussein Onn Malaysia in 2005. Having worked within the automotive and aerospace industry for over 10 years, he has developed a wide range of Production and Lean Manufacturing skills. He started his career with UMW Toyota Motor Malaysia as Assistant Engineer in 2003. In 2005, he joined Proton Holdings Bhd. as an Engineer in the Production Trim & Final Department. In 2009, he was appointed as Section Manager in the Industrial Engineering Department, responsible for the development of Proton Production System. In early 2014, he joined Volkswagen Group Malaysia as Assistant Manager of Process Improvement Department at Pekan Plant. In 2018, he joined Composites Technology Research Malaysia (CTRM) as Head of Operation Improvement Division. During his career, he has been certified as Lean Six Sigma Black Belt from International Association for Six Sigma Certification (IASSC) in 2012. He is a certified graduate engineer and member of the Board of Engineers Malaysia (BEM). He also a Professional Technologist and member of Malaysia Board of Technologist (MBOT). Moreover, he undergoes an extensive one-to-one training program for two years with Japanese Expert from Hiroshima International Vehicle Engineering Company (HIVEC), Japan on Shop Floor Management (Genba Kanri), and been certified as a professional evaluator and instructor.

Renewable Energy Panel
September 14, 2022, Time: 6:00 – 7:45 pm

Panel Chair

Fitra Lestari, BEng, MEng, PhD
Associate Professor
Head of Department
Industrial Engineering Department
UIN Sultan Syarif Kasim
Riau, Indonesia

Fitra Lestari is currently an Associate Professor and Head of Industrial Engineering Department in Faculty Science and Technology, UIN Sultan Syarif Kasim, Riau-Indonesia. He gained his BEng and MEng in Industrial Engineering from Andalas University (Indonesia) and Universiti Teknologi Malaysia (UTM- Malaysia). Then, He has continued the Ph.D. project at UTM Malaysia in the field of Supply chain relationships in a downstream sector of the Palm Oil industry. He has published extensively including several refereed journal papers, conference papers, book chapters, and edited reference books associated with Supply Chain Management, Marketing, Logistic, and Performance Measurement. He serves as a reviewer, associate editor and editorial member for several national and international journals. He joins as a member of the International Association of Engineers (IAENG), and Industrial Engineering and Operations Management (IEOM-society), and member of Indonesian Industrial Engineering Higher Education Organizing Agency (BKSTI- Indonesia). His industrial and government collaborators include Small Medium Enterprises, Halal Supply Chain dan Performance Assessment and Institutional Strengthening of Oil Palm Supply Chains.

Panel-Co Chair

Dr. Mohd Zamri Bin Mohd Yusop
Senior Lecturer
Universiti Teknologi Malaysia

Panel Speaker I
Dr. Kunaifi, ST., PgDipEnSt., M.Sc.
Founding and Board Member Of Energy Research Group (ENREACH)
UIN Sultan Syarif Kasim
Indonesia
Kunaifi is a senior lecturer and researcher in sustainable energy at UIN Suska Riau University. He was involved in and led multiple research and consulting projects with universities, research institutions, aid organizations, international development agencies, governments, NGOs, and enterprises in Indonesia and Europe. He holds a Ph.D. in Photovoltaic Systems from the University of Twente in 2021.

Dr. Kamia Handayani
Vice President of Climate Change and Safeguard
PLN (Perusahaan Listrik Negara)
Jakarta, Indonesia
Kamia currently works at PLN as the Vice President of Climate Change and Safeguard. She completed her Ph.D. in Energy and Climate Change at the University of Twente in 2019. She continues her affiliation with the University of Twente as a guest researcher since then. In June 2020, she was selected as a research fellow of the 4TU Resilience Engineering, the Dutch knowledge center in Resilience Engineering of the four universities of technology in the Netherlands.

Dr. Cihan Gercek
Saxion University of Applied Sciences
The Netherlands
Cihan is a project leader of H2020 Serene Project for the Dutch demonstrator (Ph.D.), Saxion Univ. of Applied Science, the Netherlands. His research involves energy management systems and energy optimization in a multidisciplinary way. He is implementing and assessing various carbon-neutral solutions for a citizen-centered business models for local energy communities, including e-mobility solutions.

Susanne Wolf
Frankfurt, Germany
Susanne holds a B.Sc. in Environmental Sciences from the University of Tübingen and is now enrolled in Agricultural at the University of Hohenheim. Her thesis looks at the impact of climate change on crop growth in agrivoltaic systems (modeling). Susanne is also a research assistant at Fraunhofer Institute for Solar Energy Systems (ISE) since September 2021. She did a fieldwork regarding support on agrivoltaic projects on the African continent (agricultural analysis, writing of proposals, and project-related works).

Dr. Ichsan
Sustainability Advisor
Embassy of the Kingdom of the Netherlands
Jakarta, Indonesia
Dr. Ichsan has more than 16 years of experience in renewable energy (geothermal, biodiesel, bioethanol, biomass, biogas, microalgae-fuel based, solar photovoltaic, wind energy, and hydropower), energy efficiency (energy audit and energy benchmark), and waste management (organic waste processing with maggots Black Soldier Fly/BSF, waste-to-biofuel, industrial wastewater treatment, and wastewater for algae-to-protein). He has more than 8 years of experience in developing rural areas in Indonesia (more than 350 villages) and cooperating with local governments (more than 80 regencies in Indonesia). Between 2020-2021, he was a format Circular Economy Advisor at The Embassy of the Kingdom of the Netherlands. Between 2014-2018, he was the Senior Manager of Renewable Energy for the biggest grant projects in Indonesia (USD 600 million) at MCA-Indonesia (a Trust Fund organization from the US Government, under BAPPENAS), he was in charge of managing USD 200 million grant of renewable energy projects. Dr. Ichsan received his Doctorate degree from Technische Universiteit Eindhoven, the Netherlands (Process & Product Design), Master’s degree from Hochschule Bremerhaven, Germany (Process Engineering & Energy Technology), and Bachelor’s degree...
Technoprenurship Panel
September 15, 2022, Time: 4:00 – 5:46 pm

Panel Chair:

Renny Rochani, MT., PhD
Lecturer
Industrial Engineering Department
Sebelas Maret University
Surakarta Indonesia

Theme: Technopreneur and Business Innovation in the field of vehicle electrification

There is enormous possibility to link technopreneur and business innovation in electric vehicle and its competition in word. Technopreneur is considered as a concept of seeking profit from business that applies certain technology. The development of electric vehicles with renewable energy system itself can grow new business innovation. There is huge requirement for technopreneur who can develop new business by relying on innovation to accommodate new technologies and engineering innovation especially in the application of renewable energy system for electric vehicle. In this panel, it is hoped that the experts can discuss the following questions:

What is the growth and the innovation of vehicle electrification especially for urban area? How well does the innovation interface?
To what extent does a new start-up company can develop a new business innovation model in vehicle electrification?
What is the challenge occurred in the business model of vehicle electrification?
What is the role of technopreneur in accelerating a new business innovation in vehicle electrification?
What is the Government support required by the community to support new start-up business in vehicle electrification?

Panel Speaker I:

Dr. Ir. Riyanto, M.Si
Institute for Economic and Social Research
Faculty of Economics and Business
University of Indonesia
Jakarta, Indonesia

Ir. Dr. Mohd Azman Abas is currently the Director of Automotive Development Centre (ADC) in Universiti Teknologi Malaysia (UTM). Started working as a car mechanic, he then pursued his Bachelor's and Master's degrees in Automotive Engineering (majoring in Motorsports) from University of Hertfordshire, UK, and his Ph.D. in Mechanical Engineering from UTM. Before joining UTM, he was the Powertrain Lead Development Engineer in a car manufacturer for 12 years. He has involved in many passenger car development projects across Europe and Japan companies. Today, he is leading a group of researchers in ADC to conduct research under the theme of Next-Generation Vehicles. Apart from research, he is also active providing expertise and consultations across many industries and local government agencies. His areas of interest and exploration are in the road vehicle powertrain system and driving behaviour. In his spare time, he is also involved in the local motorsport scene.

Panel Speaker II

Jose Evaldo Geraldo Costa, Ph.D.
Instituto Universitário de Lisboa (ISCTE-IUL)
Centro de Estudos Sobre a Mudança Socioeconómica e o Território
Lisboa, Portugal

Jose Evaldo Geraldo Costa is an interdisciplinary fellowship researcher working in a project funded by Portuguese agency for science and technology (FCT). He has experience in Environmental Sciences and Environmental Engineering. His background includes a Ph.D. in Climate Change and Sustainable Development Policies from NOVA University of Lisbon, Portugal, and a Ph.D. in Business Economics at Vrije Universiteit Brussel, Brussels, Belgium. His research focuses on sustainable transition pathways. Specifically, on mechanisms to support the decarbonizing of economy through boost renewable energy sources (RES), clean technologies, digitalization, and innovation processes. He has been exploring various theories and mobilized a wide range of methods and techniques, and tools covering quantitative, qualitative studies. His previous research evaluated on renewables source (solar and wind), electric mobility, and its infrastructure, and industry considering a) business model innovation; b) CO2 emissions inventory; c) energy balance; and d) public policies to overcome socio-technical barriers. He has relevant international experience in collaborative research in North America (USA), Europe (Belgium, Ireland, Portugal, United Kingdom) and South America (Brazil); publishing articles in top/peer-reviewed journals, experiencing presentations at international conferences.
Panel Speaker IV

Diversity and Inclusion Panel Sponsored by Ford Motor Company

September 15, 2022, Time: 6:00 – 7:45 pm

Panel Chair

Yugowati Praharsi
Faculty and Researcher, Business Management Department
Shipbuilding Institute of Polytechnic
Surabaya, East Java, Indonesia

Yugowati Praharsi is an Assistant Professor in Business Management Department at Shipbuilding Institute of Polytechnic Surabaya, East Java, Indonesia. She earned B.Sc. in Mathematics from Satya Wacana Christian University, Indonesia; M.Sc in Electronic Engineering and Computer Science and Ph.D in Industrial and System Engineering from Chung Yuan Christian University, Taiwan. She has published national and international journals and conference papers. Her research interests are in the field of operation research, production system, quality management, and supply chain management.

Panel Speaker I

Dr. Masha Nur Salsabiela Binti Menhat
Senior Lecturer
Universiti of Malaysia Terengganu

Dr. Masha Nur Salsabiela Menhat is a senior lecturer in Universiti of Malaysia Terengganu. She graduated with a bachelor’s degree in Civil Engineering from Universiti Malaysia Pahang in the year 2009 and holds a master’s degree in Engineering Management from Universiti Putra Malaysia. After completed her bachelor’s degree, Dr. Masha spent around five years working on local and international projects in the oil and gas industry. Her task was to look after contracts on logistic management for offshore transportation, installation, hook-up, and commissioning phase. In 2018, she obtained a Ph.D. from University of Central Lancashire, Preston, UK with a thesis entitled Performance Measurement Framework for the Oil and Gas Supply Chain. Her research interests are on oil and gas industry, project management, offshore vessels network and supply chain management.

Panel Speaker II

Yosef Daryanto, S.T., M.Sc., Ph.D., CSCA.
Assistant Professor, Department of Industrial Engineering
Universitas Atma Jaya Yogyakarta, Indonesia

Yosef Daryanto is an Assistant Professor in Industrial Engineering Departement, Universitas Atma Jaya Yogyakarta, Indonesia. He finished his bachelor’s degree in Industrial Engineering from Universitas Atma Jaya Yogyakarta (UAJY), Indonesia in 2003. Then, he pursued his master’s degree in International Technology Transfer Management, Technische Fachhochschule Berlin,(TFH-Berlin) Germany in 2008. He got Ph.D degree from Chung Yuan Christian University (CYCU), Taiwan in 2019, in Industrial and System Engineering. He is a Certified Supply Chain Analyst (CSCA) from the International Supply Chain Education Alliance (ISCEA) in 2021. He has published numerous papers, both in international journals and conference proceedings. His current research is in supply chain management, inventory management, sustainability, and service design. He got the Best Track Paper Award at the 8th IEOM Conference 2018 and Best Paper Award at ACISE Conference 2019. He also serves as reviewers in many international journals. Currently, he becomes the Vice Dean for Academic, Information System, and Quality Assurance in Faculty of Industrial Technology, UAJY.

Panel Speaker III

Engr Lourdes P. Lasian, PIE
Department of Industrial Engineering
Adamson University
Manila, Philippines

Eng Lourdes Lasian is an Industrial Engineering Professor at Adamson University, Manila, Philippines. Engr Lasian holds a Bachelor of Science degree in Industrial Engineering from University of Sto Tomas and finished her Master’s degree in Business Administration from San Sebastian College-Recolets Manila. She has 21 years of combined work experience both from Manufacturing and Service Industry. Her expertise is the field of Process Improvement and Operations Management. She is also a freelance consultant that assist companies in their initiatives for International Certification in Quality Management System. She has taught courses in management, feasibility and other professional course. She has published and presented research papers both local and international. She is formerly the Chairperson of Adamson University.

Panel Speaker IV
Dika Rahayu Widiana, Ph.D.
Assistant Professor
Study Program of Safety and Risk Engineering
Shipbuilding Institute of Polytechnic
Surabaya, East Java, Indonesia

Dika Rahayu Widiana is an assistant Professor at the Shipbuilding Institute of Polytechnic Surabaya. She earned her Bachelor degree in Occupational Health and Safety Engineering from the Shipbuilding Institute of Polytechnic Surabaya, Master degree in Environmental Engineering from Bandung Institute of Technology, Doctoral degree in Environmental Engineering from Chung Yuan Christian University, Taimien. Her research interests are in the field of safety and health risk assessment, and photocatalytic treatment for wastewater and air pollution.

Izak Y. M. Lattu, Ph.D.
Director of the Center for the Study of Religion, Pluralism, and Democracy (PusAPDem)
Satya Wacana Christian University
Salatiga, Indonesia

Izak Y. M. Lattu, Ph.D., is the Director of the Center for the Study of Religion, Pluralism, and Democracy (PusAPDem), Satya Wacana Christian University, Salatiga, Indonesia. He also serves as a professor in interreligious engagements and peace at the same university, a regular visiting professor at the Center for Religious and Cross-cultural Studies (CRCS), Gadjah Mada University, Indonesia, visiting professor at the American Studies program, University of Indonesia, and visiting scholar at Rutgers International Peace Center, Rutgers University, New Arks, USA. Izak earned his Doctor of Philosophy (Ph.D.) from the Graduate Theological Union, an affiliated school of the University of California, Berkeley, under a Fulbright grant, the US State Department scholarship. His dissertation won a pre-doctoral research award from Ash Center, Harvard Kennedy School, Harvard University (2013 - 2014). His forthcoming book, Rethinking Interreligious Dialogue: Orality, Collective Memory and Christian-Muslim Engagements, will be published by Brill Publisher (March 2023). Among Izak selected publications are: Memoar Covid 19 – Authoetnografi Lintas Benua (in Bahasa Indonesia) (Lawwana Press, 2022); Menolak Narasi Tunggal: Diskursus Agama, Pluralisme dan Demokrasi (in Bahasa Indonesia) (Satya Wacana University Press, 2018); Crossing the Boundaries: Covid-19 Pandemic, Social Solidarity and Interreligious Engagements in Indonesia (Editor – Satya Wacana University Press, 2021; Ante-Sacred-Space and Interreligious Sphere in Covid-19 ICU Room (Book Chapter – Bloomsbury Academic 2021); Click-Holy Communion, Covid-19, and Online Sacred Sphere (Book Chapter – Routledge International Handbook for Sociology and Christianity, 2023).

Submissions Received from Countries and Territories

| 8. Colombia   | 19. Mexico  | 30. Singapore| 41. USA |
Conference Committee

Honorary Chairs

Dr. Kuncoro Diharjo, S.T., M.T., Vice Rector for Research and Innovation, Universitas Sebelas Maret (UNS)

Dr. Ir. Sholihin As‘ad, M.T., Dean, Faculty of Engineering Universitas Sebelas Maret (UNS)

Conference Chairs

Dr. Jafri Mohd. Rohani, Associate Professor, Materials, Manufacturing & Industrial Engineering, School of Mechanical Engineering, Faculty of Engineering, Universiti Teknologi Malaysia, Johor, Malaysia

Dr. Ir. Wahyudi Sutopo, ST., M.Si, IPM, Professor, Dept. of Industrial Engineering, Universitas Sebelas Maret (UNS), Indonesia and President, IEOM Indonesia Chapter &Director, IEOM Asia Pacific Operations

Ahad Ali, Ph.D., Executive Director – IEOM Society. Professor and Director of IE, Lawrence Technological University, Southfield, Michigan, USA

Program Chairs

Dr. Muh. Hisjam, STP, MT, Department of Industrial Engineering, Universitas Sebelas Maret

Dr. Agustina Kurniawati, S.T., M.Eng., Ph.D, Department of Industrial Engineering, Universitas Islam Negeri Sunan Kalijaga, Yogyakarta, Indonesia

Dr. Anak Agung Saging Manik Mahachandra Janythri Mertha, ST, MSc, Department of Industrial Engineering, Universitas Diponegoro, Semarang, Indonesia

Technical Chairs

Abdul Talib Bon, Professor of Technology Management, Universiti Tun Hussein Onn Malaysia and President of IEOM Malaysia Chapter

Adibah Shuib, Associate Professor, Faculty of Computer and Mathematical Sciences, Universiti Teknologi MARA, Shah Alam, Malaysia

Ts. Dr. Muhd Ikmal Isyraf Bin Mohd Maulana, Senior Lecturer, School of Mechanical Engineering, Universiti Teknologi Malaysia

Diversity and Inclusion Chairs / Women in Industry and Academia Chairs

Lina Gozali, S.T., M.M., Ph.D, Department of Industrial Engineering, Universitas Tarumanegara, Jakarta, Indonesia

Associate Professor Dr. Aini Zuhra Binti Abdul Kadir, Universiti Teknologi Malaysia

Global Engineering Education Chairs & The 2nd Indonesia Engineering Education Conference (the 2ND IEEC) COMMITTEE:

Prof. Dr. Ir. Wahyudi Sutopo, ST., M.Si, IPM Industrial Engineering Department, Universitas Sebelas Maret, Indonesia (Chair)

Dr. Naniek Utami Handayani, S.Si, MT, Department of Industrial Engineering, Universitas Diponegoro, Semarang, Indonesia (Co-Chair)

Dr. Anak Agung Sanging Manik Mahachandra Janythri Mertha, ST, MSc, Department of Industrial Engineering, Universitas Diponegoro, Semarang, Indonesia

Case Studies

Dr. Taufiquil Islam, Operations Manager, IEOM Society International

Dr. Muhd Faridh B. Ahmad Zahruddin, Universiti Teknologi Malaysia

Automotive Manufacturing Systems

Ts. Dr. Muhd Ikmal Isyraf Bin Mohd Maulana, Universiti Teknologi Malaysia

Case Studies

Ms Tengku Shahrainza Tengku Abdul Jalal, Multimedia University, Malaysia

Design and Analysis

Associate Professor Dr. Aini Zuhra Binti Abdul Kadir, Universiti Teknologi Malaysia

Track Chairs

Artificial Intelligence

Dr. Muhd Faridh B. Ahmad Zahruddin, Universiti Teknologi Malaysia

Dr. Mohammad Firdaus Bin Mohd Taib, Universiti Teknologi Malaysia

Business Management

Dr. Jafri Mohd. Rohani, Universiti Teknologi Malaysia

Dr. Nor Akmal Binti Fadil, Universiti Teknologi Malaysia

Dr. Norizah Bt Hj Redzuan, Universiti Teknologi Malaysia

Decision Sciences

Dr. Foo Jin Hoe, Universiti Teknologi Malaysia

Dr. Nor Hasrul Akhmal Bin Ngadiman, Universiti Teknologi Malaysia

Dr. Dr. Movahed Fard Hadi, Universiti Teknologi Malaysia

Engineering Education

Associate Professor Dr. Syed Ahmad Helmi Bin Syed Hassan, Universiti Teknologi Malaysia

Associate Professor Dr. Norizah Bt Hj Redzuan, Universiti Teknologi Malaysia

Environmental Systems Engineering

Dr. Dr. Movahed Fard Hadi, Universiti Teknologi Malaysia

Financial Engineering

Dr. Rozlina Bte Md. Sirat, Universiti Teknologi Malaysia

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Dr. Dr. Movahed Fard Hadi, Universiti Teknologi Malaysia
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<td>Healthcare Operations and Services</td>
<td>Dr. Aini Zuhra Binti Abdul Kadir, Universiti Teknologi Malaysia</td>
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<td>Dr. Rohina Bte Md. Sirat, Universiti Teknologi Malaysia</td>
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<td>Dr. Farouq Alhourani, University of Tampa, Florida</td>
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<td>Innovation</td>
<td>Dr. Gi$$on Ditzel Santos, Universidade Tecnológica Federal do Paraná (UTFPR), Pato Branco, Brazil</td>
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<td>Inventory Management</td>
<td>Ts. Dr. Muhd Ikmal Isyraf Bin Mohd Maulana, Universiti Teknologi Malaysia</td>
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<td>Dr. Andy Pandian, Saginaw Valley State University (SVSU), Saginaw Valley, Michigan</td>
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Dr. Ratna Purwanesih, ST., MT., Head of Industrial Engineering Department, Universitas Diponegoro, Semporang, Indonesia
Ts. Ir. Dr. Nor Hasrul Akhmal Bin Ngadiman, Universiti Teknologi Malaysia
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Doctoral Dissertation Competition Chairs

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Dr. Mehran Doulat, Center for Quality and Sustainability, School of Engineering and Advanced Technology, UTM Kuala Lumpur, Malaysia
Professor Dr. Wong Kuan Yew, Universiti Teknologi Malaysia

Senior Capstone Design Project / FYP Poster Competition Chairs

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Dr. M. Shamsuzzaman, Universiti of Sharjah, UAE
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Simulation Competition Chairs

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Supply Chain and Logistics Competition Chairs

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<td>Dr. Eng. Hendri Widyandari, University Centre of Excellence for Electrical Energy Storage Technology, Universitas Sebelas Maret, Surakarta, Indonesia</td>
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<td>Dr. Fethma M Nor</td>
<td>Department of Mechanical Engineering, Curtin University, Malaysia</td>
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<td>Assoc. Prof. Ts. Dr. Muhammad Azizi Mat Yadid, Director (Materials, Manufacturing &amp; Industrial Engineering, Universiti Teknologi Malaysia, Malaysia</td>
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<tr>
<td>Dr. Auditya Purwandini Sutarto, S.T., M.Si.</td>
<td>Department of Industrial Engineering, University of Qomarudidin Gresik, Indonesia</td>
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**Global Engineering Education I**

**September 13, Tuesday, 2:00 - 3:45 pm - Zoom Meeting Room 2**

Session Chair: Assoc. Prof. Dr Syed Ahmad Helmi Syed Hassan, Associate Fellow, Center for Engineering Education (CEE), Universiti Teknologi Malaysia

2:00 pm - 2:20 pm (Tuesday, September 13)

**Prof. Dr. Intan Zaurah Binti Mat Darus**
Director
Center of Academic Experiential Learning
Institute of Life-Ready Graduate
Universiti Teknologi Malaysia

Dr. Intan Zaurah Mat Darus is a Professor at School of Mechanical Engineering, Faculty of Engineering, Universiti Teknologi Malaysia. She was born in 1976 in State of Melaka, Malaysia. She received her First Class B.Eng. (Hons.) degree in Mechanical Engineering from the University of Wales College Cardiff, Wales, United Kingdom in 1998 and later her Ph.D. in Automatic Control and Systems Engineering from the University of Sheffield, United Kingdom in 2004. Her current research interests are instrumentation measurement and control, modelling and simulation of dynamical system, thermal energy, automotive system, robotic and automation system utilizing soft computing techniques, evolutionary algorithms and artificial intelligence. She is the international editorial board member of the Journal of Low Frequency Noise, Vibration and Active Control, Journal of Artificial Intelligence Research (AIR), Jurnal Mekanikal and Journal of Institute Engineer Malaysia (IEM). Professor Dr Intan Z. Mat Darus has published over 200 journal and conference papers and has received over 30 research grants, industrial collaboration and consultancy projects in these area. She gained several research and service awards including from the Ministry of Science and Technology and Innovation Malaysia and several research awards from Seoul International Invention Fair. She has supervised over 60 postgraduate research students which include 12 PhD graduates since 2004. She had 22 years teaching experience in the undergraduate and postgraduate studies at the Universiti Teknologi Malaysia since 1999. She also held several posts as academic administrator in the UTM since 2012 until today including Postgraduate Academic Manager, Head of the Department of Applied Mechanics and Design, Deputy Dean in the Office of Undergraduate Studies. Currently, she is the Director of the Centre of Academic Experiential Learning, UTM Institute of Life-Ready Graduates, where she is responsible for the academic development of all 16,000 of undergraduate students in UTM.

2:20 pm - 2:40 pm (Tuesday, September 13)

**Professor Abu Masud, Ph.D., P.E. – IEOM President, 2019 – 2021**
Professor Emeritus
Department of Industrial and Manufacturing Engineering
Wichita State University
Kansas, USA

Dr. Abu Masud is a professor of industrial and manufacturing engineering at Wichita State University. He has been named the Boeing Global Engineering Professor at Wichita State University. In this new post, Dr. Masud is expected to advance the College of Engineering’s strategic alliances for global enrichment and experiential learning of students as well as international research collaborations and partnerships. He received Duane and Velma Wallace Outstanding Educator Award from WSU College of Engineering. Previously he was held various positions at Wichita State including associate dean, graduate school (2008-2013), coordinator, college ABET affairs (2006-2008), associate dean, college of engineering (2004-2005), chair, industrial and manufacturing engineering department (1994-2004) and graduate coordinator of IME (1991-94, 1996-98, 2001-2004). Dr. Masud has engaged with various companies and governmental research centers including NASA Langley Research Center, VA, NASA/ASEE Summer Faculty Fellow (1991 and 1992), Boeing, Consulting Analyst, and Kuwait Institute for Scientific Research. He is member of Accreditation Review Council (2011-2014). Dr. Masud published book, book chapters, and numerous journal and conference papers. He is registered
Professional Engineer at Kansas State. Dr. Masud is an IIE fellow. He received Ph.D. and M.S. in Industrial Engineering from Kansas State University, and B.S. in Mechanical Engineering from Bangladesh University of Engineering & Technology.

Dr. techn. Ir. Sholihin As'ad, M.T.
Dean
Faculty of Engineering
Universitas Sebelas Maret
Surakarta, Indonesia

Sholihin As'ad is an associate professor at Department of Civil Engineering, Faculty of Engineering, Universitas Sebelas Maret (UNS), Indonesia. Currently he is leading his faculty as Dean since 2015 and contributing in many efforts to improve the engineering education in his institution, such as introducing OBE (Outcome Based Education) curriculum, active learnings, international accreditation etc. He also actively engaged with local and international researchers. Before he start his university career in 1997, he worked as civil engineer for several projects in Indonesia under Lembanga Affiliasi Penelitian dan Industri Institut Teknologi Bandung (LAPI ITB) and other private civil engineering consultants. He completed his doctoral education in Faculty of Civil Engineering, University of Innsbruck, Austria in 2006 and collected his bachelor degree in Civil Engineering in 1992 and master degree in Civil Engineering in 1999 both from Institute Technology of Bandung (ITB).

Ir. Ts. Dr Zaki Yamani
Director
Center for Engineering Education
Universiti Teknologi Malaysia
Malaysia

Zaki Yamani Zakaria is the Director of Centre for Engineering Education (CCE), Universiti Teknologi Malaysia. He has been with the School of Chemical & Energy Engineering, Universiti Teknologi Malaysia (UTM) since 2008. He acquired his first degree in Chemical Engineering from University of Bradford, UK in 1999; Chemical Engineering Master’s Degree, and PhD from Universiti Teknologi Malaysia (UTM) in 2004 and 2013, respectively. His main research interests are in engineering education, catalytic reaction engineering, and safety, health & environment (SHE). Before joining the faculty, he was a practicing engineer (2003-2008). Dr. Zaki became a Professional Engineer (BEM) and Chartered Engineer (IChemE) in 2010. He was appointed as a Professional Technologist in 2016 by Malaysia Board of Technologist (MBOT). He was appointed as Research Fellow under Centre for Engineering Education (CCE) in 2019 and two years after that appointed as the Director of UTM CEE. He has actively been involved in engineering education since 2014 in the area of Active Learning (AL), Cooperative Learning (CL) and Problem-Based Learning (PBL). Dr. Zaki has been involved in numerous AL, CL, PBL courses and workshops as co-trainer and facilitator since 2017. He is also an Editor for ASEAN Journal for Engineering Education (AJEE) and a member of Society of Engineering Education Malaysia (SEEM) since 2020, besides once in a while delivering talks related to Engineering Education Experiential sharing. In 2021 he participated in the Safety Champion in Engineering Education (SCCEE) Fellowship program, which was organized under Royal Academy of Engineering (RAE), UK.

Assoc. Prof. Dr. Divina Gracia Dimaculangan Ronquillo
Director
Center for Innovation in Engineering Education
Batangas City
Philippines

Assoc. Professor Divina Gracia Ronquillo finished her undergraduate and graduate degrees, both in Electronics and Communications Engineering from Batangas State University, The National Engineering University. As a Professional Electronics Engineer and an ASEAN Engineer, she continues to pursue this track as she finishes her dissertation on her Doctorate Degree in Electronics Engineering at the National Engineering University. Assoc. Prof. Ronquillo is a Master Trainer of the Conceive-Design-implement-Operate (CDIO) Framework for Rethinking Engineering Education and an Outcomes-Based Quality Assurance (OBQA) Accreditor of The Accrediting Agency of Chartered Colleges and Universities in the Philippines (AACUP). She is likewise a Program Evaluator of the Center for Innovation in Engineering Education (CIEE) as its Director and the Quality Assurance Management (QAM) as its Head. Her research work and publications mostly focus on the application of and innovation in electronics engineering as well as in engineering education and quality assurance. Her work on the “Natural Light Collection System for Indoor Crop Production”, co-authored by Dr. Anton Louise P. De Ocampo, was awarded 1st place in the Best Developmental Paper Award Category during the 31st Regional Symposium on Research, Development and Extension Highlights (RSRDDEH) last 2018. With over twenty years of teaching and administrative experience, she steered her department in the accreditation of engineering programs at BatStateU by the US-based ABET in 2016. She continues to serve the National Engineering University by leading the Center for Innovation in Engineering Education (CIEE) as its Director and the Quality Assurance Management (QAM) as its Head.
Global Engineering Education II
September 13, Tuesday, 4:00 - 5:45 pm - Zoom Meeting Room 2

Session Chair:

4:00 pm - 4:20 pm (Tuesday, September 13)

Dr. Naniek Utami Handayani, S.Si, MT
Department of Industrial Engineering
Universitas Diponegoro
Semarang, Indonesia

Naniek Utami Handayani is an Assistant Professor in Industrial and Systems Engineering at the Department of Industrial Engineering, Faculty of Engineering, Diponegoro University. She earned a bachelor’s degree in mathematics from Brawijaya University, Malang; a Master’s degree, and a Doctoral Degree in Industrial Engineering and Management from the Bandung Institute of Technology (ITB), Bandung. She is a member of the Institute of Supply Chain and Logistics Indonesia, General Secretary of the Indonesian Industrial Engineering Higher Education Organizing Cooperation Agency, Financial Director of IEOM Indonesian Chapter, and Head of Quality Assurance Team of Faculty of Engineering, Diponegoro University. She has published journal and conference papers in Industrial Engineering. Her research interests include industrial clusters, SME management, disaster logistics, performance measurement, quality systems, higher education performance modeling, and engineering education.

4:20 pm - 4:40 pm (Tuesday, September 13)

Prof. Dr. Reynato Andal Gamboa
Dean College of Engineering
Architecture and Fine Arts Batangas State University Alangilan
Batangas City, Philippines

Dr. Reynato A. Gamboa is a Registered Electrical Engineer and a Chartered Engineer of the Institution of Engineering and Technology (IET), United Kingdom. He finished his Bachelor’s Degree in Electrical Engineering at the Pablo Borbon Memorial Institute of Technology (now Batangas State University, The National Engineering University), Master’s Degree in Electrical Engineering Major in Power Engineering at the University of the Philippines Diliman, and Doctor of Philosophy in Engineering Major in Engineering Education at Taylor’s University, Subang Jaya, Selangor, Malaysia. With forty years of teaching experience, he has held various positions in three universities. He served as a: Senior Lecturer at the KDU University College (KDU) Petaling Jaya Campus in Selangor, Malaysia; Senior Lecturer I and Programme Director in the School of Engineering at Taylor’s University, Subang Jaya, Selangor, Malaysia; and Chairman of the EE Department and Executive Assistant for Knowledge Management and Innovation to the Office of the President at the Batangas State University. During his service at Taylor’s University, he was appointed as Outcomes-Based Education (OBE) Consultant by the School of Computing, where he also designed and developed a Module and Programme-level OBE Assessment Model for the School of Engineering. His professional and research work encompasses topics such as OBE, Curriculum Frameworks, and the application of learning pedagogies in the School of Engineering—and as of April 2022, he has had a total of thirty-five publications. His research interest includes Embedded Generation, Power System Design, Simulation and Analysis, Energy Audit, and Engineering Education, which he continues to do research on up to this day. Amongst the awards he received for his research works and publications was the Gold Medal Award for his Project: Redesigning Engineering Curriculum Vertical Through Industry 4.0 during the 2nd IDE4 Teaching and Learning Exhibition (IDE4TE) 2019 in Cyberjaya, Malaysia. At present, Dr. Gamboa sits as the Dean of the College of Engineering, Architecture and Fine Arts of the Batangas State University, The National Engineering University. He aspires to continue on leading the College toward greater heights.

4:40 pm - 5:00 pm (Tuesday, September 13)

Assoc Prof Dr. Aznah Nor Anuar
Associate Research Fellow of Centre for Engineering and an academic staff for Malaysia-Japan International Institute of Malaysia

Aznah Nor Anuar acquired his first degree in Civil-Environmental Engineering from University Teknologi Malaysia in 2000; then Environmental Engineering Master Degree & PhD also from Universiti Teknologi Malaysia in 2001 and 2009, respectively. She is presently Associate Research Fellow of Centre for Engineering and an academic staff for Malaysia-Japan International Institute of Malaysia. She has actively been involved in engineering education since 2012 in Active Learning (AL), Cooperative Learning (CL) and Community-Based Service Learning (CBSL). She has been involved and organised in numerous the Community-Based Engineering Service-Learning Program at local and international level. She is a member of Society of Engineering Education Malaysia (SEEM), besides occasionally delivering talks related to Engineering Education Experiential sharing, emphasising the experience in community-based engineering service learning.
Assoc. Prof. Ts. Dr. Habibah @ Norehan Haron
Associate Professor
Razak Faculty of Technology and Informatics
Universiti Teknologi Malaysia
Kuala Lumpur, Malaysia

Habibah @ Norehan Haron is an Assoc. Prof. at the Razak Faculty of Technology and Informatics, Universiti Teknologi Malaysia (UTM), Kuala Lumpur. She holds a BEng (Hons) in Manufacturing Engineering (UK), an MSc in Manufacturing Systems Engineering (UK), and a PhD in Engineering Education (Malaysia). She is currently the Head of Faculty’s Future Ready Educators Group. She is also a contract lecturer at Meiji University, Japan; and a special program lecturer at Saffat Academy, Sudan. Her main research areas and publications are in the fields of engineering education and engineering business management. To date, she has received grants totalling more than RM1,500,000.00 and have over 10 intellectual properties. She is an active committee member of the Women Engineers Section of The Institution of Engineers Malaysia (IEM-WES). She is also actively organizing community projects, spearheading STEM-based activities, founder of the STREAM Fun Learning Toy Library (FLTL) and STEM Learning Lab. She had won awards for several consecutive years for innovative learning practices in education, high-impact community-based projects, and received Presidential Awards of Excellence from The Institution of Engineers Malaysia (IEM). Her signature projects include Virtual Reality Welding Kit and FLTL products.

5:20 pm - 5:40 pm (Tuesday, September 13)

Dr. Nurzal Effiyana Ghazali
Deputy Director
Center for Engineering Education
University Teknologi Malaysia
Johor, Malaysia

Dr. Nurzal Effiyana Ghazali received her B.Engr. Electrical (Telecommunications) degree from Universiti Teknologi Malaysia (UTM) in 2007. She received two M.E. degrees, which are from Shibaura Institute of Technology in 2010 and from UTM in 2011. She works as a Senior Lecturer in the School of Electrical, Faculty of Engineering after receiving her Ph.D. in 2016 from UTM. She had published more than 30 journals and conference papers and received more than 20 research grants, nationally and internationally. Currently, she is the Deputy Director at the Centre for Engineering Education (CEE), UTM. She is also the Assistant Honorary Secretary for the Society of Engineering Malaysia (SEEM). She is a practitioner in scholarly engineering education practices and involves as a facilitator for Outcome Based Education (OBE), Problem-Based Learning (PBL) as well as Student-Centered Learning (SCL) workshops locally and globally. She is a reviewer for Education for Chemical Engineers, the ASEAN Journal of Engineering Education, and several conferences related to engineering education. Furthermore, she is actively involved in research related to engineering education such as engineering epistemology, pedagogy, and curriculum development. She is most passionate about engineering education and become one of the UTM’s Future Ready Educator (FREE) Support Group Leaders. She has won several awards related to education such as Teaching Award, Blended Learning Award, and Sakura Science Plan from Japan Science and Technology Agency.

Global Engineering Education III
September 13, Tuesday, 6:00 - 7:45 pm - Zoom Meeting Room 2

Session Chair: Dr. Naniek Utami Handayani, S.Si, MT, Department of Industrial Engineering, Universitas Diponegoro, Semarang, Indonesia

6:00 pm - 6:20 pm (Tuesday, September 13)

Dr. Dra. Amelia Santoso M.T.
Head of Master Program in Industrial Engineering
Universitas Surabaya
Surabaya, Indonesia

Amelia Santoso is an Associate Professor of Industrial Engineering at the University of Surabaya, Indonesia. Currently, she serves as Chair of the Masters Program in Industrial Engineering, University of Surabaya. She received her Master and Ph.D. degree of Industrial Engineering from Bandung Institute of Technology (ITB), Bandung, Indonesia, and Bachelor of Statistics from Sepuluh Nopember Institute of Technology (ITS) Surabaya, Indonesia.

Meanwhile, the Engineer profession (Ir) was obtained from the Engineer Profession Program at Gajah Mada University (UGM) Yogyakarta. Her research interests are production, distribution, and transportation; supply chain engineering; and humanitarian logistics in disaster operations and management. In addition to researching logistics operations in disaster conditions, Amelia also researches logistics operations under normal conditions, especially the distribution and transportation systems. She received several grants to conduct research in humanitarian logistics operations.

6:20 pm - 6:40 pm (Tuesday, September 13)
Ir Ts Dr Zulhasni bin Abdul Rahim
National TRIZ Innovation Expert
Malaysia-Japan International Institute of Technology (MJIIIT)
Universiti Teknologi Malaysia (UTM)
Johor, Malaysia

Dr Zulhasni is an innovation catalyst with more than 16 years of experience as industrialist and now giving back to the society as academician at Malaysia-Japan International Institute of Technology (MJIIIT), Universiti Teknologi Malaysia (UTM). Dr Zulhasni industrial experiences covered various aspect of domain including automotive, aerospace, manufacturing, electronic, mould design, quality assurance, corporate strategy, R&D and education. Currently, he also move forward with his own start-up company that providing consultancy and high value services to industries, government agencies and also academic institute. The biggest project he had executed is to reduce organization cost in product design and development with the result of RM 13 million per year. He had published more than 14 journals and one of it have won best paper award in South Korea.

6:40 pm - 7:00 pm (Tuesday, September 13)

Assoc Prof Dr Indah Widiastuti
Faculty of Education &Teacher Training
Universitas Sebelas Maret
Surakarta, Indonesia

Assoc. Prof. Indah Widiastuti received her B. Eng in Industrial Engineering from Sepuluh Nopember of Technolgy and M.Eng degree in Industrial Engineering from Universitas Gadjah Mada. Later she continues her Ph.D. study in Material Engineering at the Swinburne University of Technology, Melbourne, Australia. She is currently an Associate Professor at the Faculty of Education &Teacher Training, Universitas Sebelas Maret, Surakarta majoring in Mechanical Engineering Education. Aims to make engineering education more accessible at the pre-college level, she is actively involved in developing engineering design-based activities within the STEM context since 2019. She ventured into University Teaching and research career in 2005 and has published over fifty (50) research articles in peer-reviewed local and international Journals and conference proceedings.

7:00 pm - 7:20 pm (Tuesday, September 13)

Dr. Atya Nur Aisha, S.T., M.T
Jabatan Teknik Industri, Fakultas Teknik
Telkom University
Bandung, 40257 Indonesia

Dr. Atya Nur Aisha, S.T., M.T. is a Head of Business and Simulation Laboratory in the Department of Industrial Engineering, Faculty of Industrial Engineering, Telkom University. She has been a lecturer in the industrial engineering department of Telkom University since 2014. She focuses on industrial psychology and system modeling. She received her doctorate degree in Industrial Engineering and Management at Institut Teknologi Bandung. She has work experience in sixteen companies such as PT Indonesia Power, PT BPD Papua, PT Pertamina Geothermal Energy, BPH Migas, and Direktorat Metrologi as a researcher arranging performance management systems, competency needs, and modeling. She is the author of 17 papers in local and international refereed journals and 16 conference contributions.

7:20 pm - 7:40 pm (Tuesday, September 13)

Assoc. Prof. Dr. Sanae El Hassani
National School of Applied Sciences (ENSA)
El Jadida
Morocco

Sanae EL HASSANI obtained her master engineering degree in telecommunications from Telecom-Bretagne, France, in 2007. She worked at Orange Labs (France Telecom R&D) from 2007 to 2010 as an R&D engineer and received the PhD degree in Signal Processing and Telecommunications from Telecom-Bretagne & Université de Rennes I in 2011. She is currently assistant professor at ENSA EL-Jadida, Chouaïb Doukkali University, Morocco. Her fields of interest include advanced modulations, error correcting codes and communication technologies, as well as engineering education and engineering service learning.
Dr. Farrah Fayyaz is a Lecturer in the Centre for Engineering in Society in Gina Cody School of Engineering and Computer Science at Concordia University. She has a bachelor's and master's degree in Electrical Engineering from Pakistan and Ph.D. in Engineering Education from Purdue University, USA. She has been teaching engineering students and doing research in engineering education for over fifteen years now. She is a Fulbright fellow and currently director and member-at-large of the Canadian Engineering Education Association. Additionally, now she is a guest editor of a special issue of IEEE transactions on education, titled, Conceptual Learning of Mathematics Intensive Concepts in Engineering. Her research focuses on conceptual learning of mathematics-intensive engineering concepts. One of her recent passions which came out of her service role at Concordia University is helping all final-year undergraduate engineering students at Concordia University to understand the ethical, legal, social, environmental, and entrepreneurial aspects of their capstone design.

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**Global Business Management Education I**

Session Chair: Professor Dr. Abdul Talib Bin Bon (Universiti Tun Hussein Onn, Malaysia)

Speaker I

Dr Fahirah Syaliza Binti Mokhtar, Universiti Malaysia Terengganu

Speaker II

Speaker III

Speaker IV

Speaker V

**Global Business Management Education II**

Session Chair: Dr. Ir. Yuary Farradia (Universiti Malaysia Terengganu)

Dr. Ir. Yuany Farradia, currently is a Lecturer in Management (Marketing) department at the Faculty of Business, Economics and Social Development – Universiti Malaysia Terengganu. Her main background is on Green Supply Chain Management, Marketing and Management. Her ongoing International Research in 2022 is on Circular Economics and Smart Village Development.

Prior to join Universiti Malaysia Terengganu, in 2020, she was a Vice Dean of Human Resource and Finance in the Faculty of Economics and Business Universitas Pakuan.

Her publication within the last three years are about Green Supply Chain Management, Green Marketing, Green Management, Sustainability, Environment Sustainability, Ecotourism, Consumer Purchase Decision up to Marketing Strategies

She graduated from Universitas Padjadjaran, Bandung Indonesia majoring in Fisheries. She pursued her Master of Natural Resources Economics from Universiti Pertanian Malaysia (UPM). She received her Ph.D from the Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia.

She is also a Management practice. Currently she is a professional Management Consultant, Trainer and Internal Auditor for Operation. She has more than 15 years working experiences mostly in the Multinational Companies with the position as Business Analyse, Branch and Area Manager, Area Director and Managing Director of Indonesia.

Speaker I

Professor Dr Yusliza Binti Mohd Yusoff, Universiti Malaysia Terengganu

Speaker II

Speaker III

Speaker IV

Speaker V

**Global Business Management Education III**

Session Chair: Dr Muhammad Ikhsan Setiawan, Vice Rector Narotama University, Indonesia

Muhammad Ikhsan Setiawan received his Bachelor Civil Engineering (1998) Universitas Merdeka Malang Indonesia, Master Civil Engineering (2000) Universitas Indonesia and Doctor Civil Engineering (2018) Universitas Tarumanagara Indonesia. Currently as Vice Rector and an Assistant Professor at Faculty of Engineering and Computer Science, Narotama University, Indonesia, also registered as Engineer Expert Certified. Currently leads several research team grant from Ministry of Education, Indonesia since 2009 in Airport, Renewable Energy and Digital Transportation, also Tourism and Smart City. Author of 95 SCOPUS documents 477 citations, 204 GSCHOLAR documents 1356 citations and 34 WOS documents 100 citations. Chairman of WORLDCONFERENCE (International eConference), Vice President of iPEST (International Scientist in Economic, Social and Technology), Secretary of DPP ADRI (Indonesia Expert and Lecturer Association), Vice Director of PT Songsong Buana Jakarta Indonesia, member of IEEE. Editor and reviewers Journal in SCOPUS, DOAJ, CROSSREF, GOOGLE and SINTA (Indonesia indexed)

Speaker I
Professor Madya Dr Nik Hazimah Binti Nik Mat, Universiti Malaysia Terengganu
Speaker II
Speaker III
Speaker IV
Speaker V
33rd IEOM Industry Solutions and Industry 4.0

Distinguished Speakers

Industry Solutions and Industry 4.0: I
September 14, Wednesday, 2:00 – 3:45 pm – Zoom Meeting Room 2

Session Chair: Assoc. Prof. Dr. Adnan Hassan, Universiti Teknologi Malaysia and Dr. Basuki Rahmad, ST, MT, CEO – PT. Transforma Engineering & Solutions; Telkom University, Bandung, Indonesia

2:00 pm – 2:20 pm (Wednesday, September 14)

Dr. Ir. Jupriyanto, S.T., M.T., CIQaR, IPU, ASEAN Eng
Lecturer
Faculty of Defense Technology
Republic of Indonesia Defense University


Dr. Jupriyanto is currently a postgraduate lecturer for Research Methodology; Weapon System Design; Defense Industry Management; System Conceptualization and Modeling; Operation Management; and Capita Selecta of Defense Industry, in Faculty of Defense Technology, Republic of Indonesia Defense University. He earned Master in Defense Study from Bandung Institute of Technology, Bandung (Indonesia), and Doctorate in Industrial and Management Engineering also from Bandung Institute of Technology, Bandung (Indonesia).

2:20 pm – 2:40 pm (Wednesday, September 14)

Dr. Tanika D Sofianti
Associate Professor
Coordinator of Laboratory of Innovation and Digital Transformation
Industrial Engineering Department
Engineering Faculty of Swiss German University
Prominence, Alam Sutera, Indonesia

Smart product service systems for supporting sustainability and circular economy

Dr. Tanika D Sofianti graduated from Bachelor Program of Electrical Engineering of Pancasila University, Jakarta, Indonesia in 1997. She obtained her Master degree in Industrial Engineering from Bandung Institute of Technology, Indonesia in 2002, and completed her doctoral research about Knowledge Management and Creation in Industrial Engineering of Bandung Institute of Technology in 2013. As a doctoral researcher, in 2010 she was a scholarship grantee from the Ministry of Higher Education, Indonesia to join with Industrial Engineering Department of Waseda University in Tokyo for research in Knowledge Management Performance. Dr. Sofianti supported Indonesia Ministry of Industry related to Industry 4.0 technologies. Her research interests include Product Service Systems; Optimization – AI – Data Science; Performance Engineering and Analysis; Knowledge Management; DSS – Business Intelligence and Analytics and Remote Working – Future of Work. Dr. Sofianti has published articles in academic journals such as Knowledge Management & E-Learning: An International Journal, Communication and Information Technology Journal, Indonesia; Makara Journal of Technology, Indonesia; International Journal of Industrial Management, Malaysia; and others.

2:40 pm – 3:00 pm (Wednesday, September 14)

Dr. Edly Ferdin Ramly (Session Chair)
Certification Director
EFR Certification

IR 4.0 in Industrial Engineering – Issues and Recommendation for Future Research

Presently Dr. Edly is IEOM Fellow, Lean Sigma Mentor and Certification Director. Apart from auditing, he is currently providing Lean, Business Excellence, IR 4.0 related training, management system related consultancy, research and trainings to local and multi-national companies that seek operational improvement and breakthrough. His industrial experience was in the automotive industry. During his stayed with the TRW Automotive, he was tasked with the responsibility of promoting and implementing Lean and Six-Sigma within the Organization. Due to his extensive exposure in Lean and Six-Sigma Management System, he was invited by Malaysia Productivity Corporation (MPC) and Asia Productivity Organization (APO) to conduct training in the area of Lean and Six-Sigma implementation. Mr. Edly Ramly graduated from University of Bradford, UK with Bachelor Degree in Manufacturing System with
Management. He then furthered his studies at Sheffield Hallam University, UK and awarded with a Master Degree of Science in Engineering with Management and PhD with UTM, Malaysia.

3:00 pm – 3:20 pm (Wednesday, September 14)

Kamaruzaman Jiddin
Consultant and Trainer
K6 Tech Sdn Bhd.
Powernode Solution Sdn Bhd.

Master Degree in IT Entrepreneurship, He holds a Master of IT in Technopreneurship from UTM Malaysia and Bachelor Degree in Electrical Engineering (Minor inMathematics), California State University, Long Beach, California, USA. With 30 years of experience, he specializes in technology and manufacturing. He has been a full-time entrepreneur since 2000. He is the lead author for the book and mobile apps of ‘TRANSFORMASI DIRI MENEMPUNG GELOMBANG REVOLUSI INDUSTRI 4WRD’. He has spoken at various seminars locally and global on Human Capital Management, Supply Chain Management, Smart City, Smart Manufacturing and other related matters in Industry 4.0.

3:20 pm – 3:40 pm (Wednesday, September 14)

Industry Solutions and Industry 4.0 - II
September 14, Wednesday, 4:00 – 5:45 pm – Room 2

Session Chair: Assoc. Prof. Dr. Adnan Hassan, University of Technology, Malaysia and Dr. Basuki Rahmad, ST, MT, CEO – PT. Transforma Engineering & Solutions; Telkom University, Bandung, Indonesia

4:00 pm – 4:20 pm (Wednesday, September 14)

Khusna Dwijayanti, S.T., M.Eng., Ph.D.
Industrial Engineering Department
Faculty of Science and Technology
Universitas Islam Negeri (UIN) Sunan Kalijaga
Yogyakarta, Indonesia

Khusna Dwijayanti, S.T., M.Eng., Ph.D. is a Doctor in Industrial Engineering Department, Faculty of Science and Technology, Universitas Islam Negeri (UIN) Sunan Kalijaga Yogyakarta, Indonesia. She earned Bachelor Degree S.T. (Sarjana Teknik) in 2007 in Industrial Engineering from Gadjah Mada University, Indonesia. She got the M.Eng (Master Engineering) in 2010, in Manufacturing Engineering from University of Malaya, Kuala Lumpur, Malaysia. Then, she achieves the Ph.D. (Doctor of Philosophy in Engineering) in 2015, in Integrated Design Engineering, from Keio University, Japan. Her working experience is as an engineer in Coal Fired Power Plant, PLTU Tanjung Jati Jepara Indonesia in 2010-2012. She also worked as a lecturer in campus Unisnu Jepara in 2017-2019. Recently, she works as a lecturer of Industrial Engineering Department in UIN Sunan Kalijaga Yogyakarta, Indonesia

Dr. Khusna has published journals and conference papers. Her research interests include Automatic Process Planning, CAPP, Product Design, Smart Manufacturing System, Facility Layout Planning, Production System and Integrated Manufacturing System. She also a Halal Auditor in LPH UIN Sunan Kalijaga Yogyakarta, and a member of Halal Center UIN Sunan Kalijaga Yogyakarta. She also become a Faculty Advisor for IEOM Student Chapter of UIN Sunan Kalijaga Yogyakarta Indonesia

4:20 pm – 4:40 pm (Wednesday, September 14)

4:40 pm – 5:00 pm (Wednesday, September 14)

5:00 pm – 5:20 pm (Wednesday, September 14)

5:20 pm – 5:40 pm (Wednesday, September 14)

Industry Solutions and Industry 4.0 - III
September 14, Wednesday, 6:00 – 7:45 pm – Room 2

Session Chair: Assoc. Prof. Dr. Adnan Hassan, Universiti Teknologi Malaysia and Dr. Basuki Rahmad, ST, MT, CEO – PT. Transforma Engineering & Solutions; Telkom University, Bandung, Indonesia

6:00 pm – 6:20 pm (Wednesday, September 14)

6:20 pm – 6:40 pm (Wednesday, September 14)

6:40 pm – 7:00 pm (Wednesday, September 14)

7:00 pm – 7:20 pm (Wednesday, September 14)

7:20 pm – 7:40 pm (Wednesday, September 14)
4th Asia Pacific IEOM Conference
Ho Chi Minh City, Vietnam, September 19-21, 2023
Host: University of Economics Ho Chi Minh City
http://ieomsociety.org/vietnam2023/

Conference Chairs
- Dr. Từ Văn Bình, Vice Dean, Graduate School, University of Economics Ho Chi Minh City, Vietnam
- Nguyễn Phong Nguyên, Associate Professor and Head of Department of Research Administration – International Relations, University of Economics Ho Chi Minh City, Vietnam
- Dr. Vikas Kumar, Director of Research and Professor of Operations and Supply Chain Management at Bristol Business School, University of the West of England, UK
- Dr. Ir. Wahyudi Sutopo, ST., M.Si, IPM, Professor, Dept. of Industrial Engineering, Universitas Sebelas Maret (UNS), Indonesia and President, IEOM Indonesia Chapter &Director, IEOM Asia Pacific Operations
13th IEOM Global Supply Chain and Logistics

This event is jointly organized by the Faculty of Science and Engineering, Universitas Islam Negeri (UIN) Sunan Kalijaga Yogyakarta in collaboration with Universiti Teknologi Malaysia (UTM) and Universitas Sebelas Maret (UNS), as the initiation of the International Conference on Industrial Engineering and Halal Industries (CIEHIS) held by UIN Sunan Kalijaga Yogyakarta.

DISTINGUISHED SPEAKERS

Global Supply Chain and Logistics I
September 15, Thursday, 2:00 – 3:45 pm – Zoom Meeting Room 2
Session Chair: Assoc. Prof. Ir. Dwi Agustina Kurniawati, Ph.D., IPM.

2:00 pm – 2:30 pm (Thursday, September 15)
Dr. H. Muhammad Aqil Irham, M.Si
Head of Badan Penyelenggara Jaminan Produk Halal (BPJPH)
Indonesia

2:30 pm – 3:00 pm (Thursday, September 15)
Professor Marco Tieman
Senior Fellow
IPMI International Business School
Malaysia

3:00 pm – 3:30 pm (Thursday, September 15)
Professor Satomi Ohgata
Kyushu International University
Fukuoka, Japan
Global Supply Chain and Logistics II  
September 15, Thursday, 4:00 – 5:30 pm – Zoom Meeting Room 2 
Session Chair: Assoc. Prof. Ts. Dr. Azanizawati Ma’aram

4:00 pm – 4:30 pm (Thursday, September 15)

4:30 pm – 5:00 pm (Thursday, September 15)

Professor Iwan Vanany, S.T., M.T., Ph.D.  
Institut Teknologi Sepuluh Nopember (ITS)  
Surabaya, Indonesia

5:00 pm – 5:30 pm (Thursday, September 15)

Dr. Mohamed Syazwan Ab Talib  
Assistant Professor  
UBD School of Business and Economics  
Brunei Darussalam

Global Supply Chain and Logistics III  
September 15, Thursday, 6:00 – 7:30 pm – Zoom Meeting Room 1  
Session Chair: Dr. Mohd. Iskandar Ilyas Tan

6:00 pm – 6:30 pm (Thursday, September 15)

Dr. Yusaini Hisham bin Mohamed  
Unit Strategic Manager  
Strategic Planning and Corporate Finance  
Felcra Verhad  
Kuala Lumpur, Malaysia

6:30 pm – 7:00 pm (Thursday, September 15)
Moestijanto Djoyo Oetomo  
Halal Lead Auditor at New Zealand Islamic Development Trust (NZID) Limited  
New Zealand

7:00 pm – 7:30 pm (Thursday, September 15)

Dr. Mohd. Iskandar Ilyas Tan  
Co-Founder Halal Informatics (HOLISTICS) Lab Sdn. Bhd.  
Universiti Teknologi Malaysia  
Johor, Malaysia
CALL FOR PAPER

Halal Supply Chain: Current Trends and New Challenges

Speakers

Dr. H. Muhammad Aqil Irham, M.Si,
Head of Badan Penyelenggara Jaminan
Produk Halal (BPJPH) Indonesia

Prof. Marco Tieman,
Senior Fellow of IPMI International Business School

Prof Satomi Ohgata,
Kyushu International University, Fukuoka, Japan

Associate Professor Ts. Dr. Aishah Bujang,
Head (Halal Supply Chain) Malaysia, Institute of Transport (MITRANS), Universiti Teknologi MARA,

Prof. Iwan Vanary, ST,MT, PH.D,
Professor
Institut Teknologi Sepuluh Nopember, Indonesia

Dr. Mohamed Syazwan Ab Talib,
Assistant Professor, UBD School of Business and Economics, Brunei Darussalam

Dr. Yusaini Hisham bin Mohamed,
Unit Strategic Manager, Strategic Planning & Corporate Finance, Felcra Berhad, Kuala Lumpur

Dr Mohd Iskandar Ilyas Tan,
Co-Founder Halal Informatics (HOLISTICS)
Lab Sdn Bhd, Universiti Teknologi Malaysia, Johor

Moestjanto Djoyo Oetomo,
Halal Lead Auditor at New Zealand Islamic
Development Trust (NZID) Limited, New Zealand

Aim and Scope

All honourable authors are kindly encourage to contribute to conference thorough submission of their research papers that related to “Halal Supply chain : Current Trends and New Challenge”

Important Date

Abstract/paper submission : August, 15th 2022
Review feedback : August, 20th 2022
Registration deadline : August, 25th 2022
Final paper submission : August, 30th 2022
Conference : September, 15th 2022

Publication

Accepted & presented papers will be published in the 3rd Asia Pacific IEOM Proceedings (Scopus Index)

Paper Submission, Registration & Payment

Registration and paper submission is done through the 3rd Asia Pacific Conference on Industrial Engineering and Operation Management website that can be access by scanning this barcode as well as the payment inform

http://iomeosociety.org/malaysia2022/

Contact Person

Assoc. Prof. Dr. Azianzawati Ma’aram (azian@utm.my)

Secretariat

Faculty of Science and Technology, UIN Sunan Kalijaga Yogyakarta
Jalan Marsdja Adisucipto Yogyakarta 55281

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## Parallel Sessions

### TUESDAY, September 13, 2022

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<tr>
<td>10:00 Keynote I: Dr Elsayed A. Elsayed, Distinguished Professor, Rutgers University, New Jersey, USA</td>
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<tr>
<td>10:40 Keynote II: Dr Muhammad Nurjaiyadi Tamam, Director, Malaysia Productivity Corporation, Malaysia</td>
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<tr>
<td>11:20 Keynote III: Dr Wawan Dhewanto, Professor of Entrepreneurship, Institut Teknologi Bandung, Indonesia</td>
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<tr>
<td>12:00 Keynote IV: Casey Ang, Founder, Lenoxcells Consulting, Malaysia</td>
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<tr>
<td>11:30 Undergraduate Paper Competition</td>
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<td>1:00 Lunch and Prayer Break</td>
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<tr>
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<tr>
<td>9:20 Keynote IV: Prof. Duc Tuang Pham, Chance Chair of Engineering, University of Birmingham, UK</td>
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<tr>
<td>10:00 Keynote V: Dr Mohd Azman Idris, Senior General Manager, SIRIM STS Sdn Bhd, Malaysia</td>
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<tr>
<td>10:40 Keynote VI: Prof. Dr Mohamad Sattar Rasul, Chairman of STEM Enculturation Center, Universiti Kebangsaan Malaysia</td>
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<td>11:20 Keynote VII: Dr Muhamad Nizam, Professor, Sebelas Maret University, Indonesia</td>
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<tr>
<td>12:00 Keynote IX: Prof Kerstin Johansen, Full Professor in Integrated Product and Production Development, Jonkoping University, Sweden</td>
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<tr>
<td>11:30 Undergraduate Paper Competition</td>
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<td>1:00 Lunch and Prayer Break</td>
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<td>10:00 Keynote X: Paul Odomirok, President and CEO, Performance Excellence Associates, Florida, USA</td>
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<tr>
<td>10:40 Keynote XI: Prof. Nigel Grigg, Professor of Quality Systems, Massey University, New Zealand</td>
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<td>11:20 Keynote XII: David Khaw, President, Project Management Institute Malaysia Chapter, Malaysia</td>
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<tr>
<td>12:00 Keynote XIII: Dr Mattoub Hussain, Professor of Operations and Supply Chain Management, University of Sharjah, UAE</td>
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<tr>
<td>11:30 OM</td>
<td>Innovation</td>
<td>E-Business</td>
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<tr>
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<td>2:00 GBME III</td>
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### Conference Awards Ceremony - Zoom Room 1

8:00 pm – 10:00 pm - Conference Awards Ceremony - Zoom Room 1

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### September 13 (TUESDAY) - Session: 8:00 – 9:45 am

#### 8:00 – 9:45 am, TUESDAY  Quality Control  Room 1

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<td>A Literature Review on Quality Management in the Food Industry</td>
<td>Bingqing Zhu and Hayati Habibah Abdul Talib, Department of Science, management and Design, Razak Faculty of Technology and Informatics Universiti Teknologi Malaysia, Jalan Semarak, Kuala Lumpur, Malaysia</td>
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<td>608</td>
<td>Application of Analytic Hierarchy Process (AHP) in Adoption of Quality Management System (QMS)</td>
<td>Masoud Rahiminezhad Galankashi, Department of Industrial, Mechanical and Aerospace Engineering, Buein Zahra Technical University, Buein Zahra, Qazvin, Iran  Syed Ahmad Helmi, School of Mechanical Engineering, Faculty of Engineering, Universiti Teknologi Malaysia, 81310, Johor Bahru, Malaysia  Center for Engineering Education, Universiti Teknologi Malaysia, 81310, Johor Bahru, Malaysia  Vahid Khodabandehlou and Mahdiyeh Moghadam Arjmand, Department of Industrial, Mechanical and Aerospace Engineering, Buein Zahra Technical University, Buein Zahra, Qazvin, Iran</td>
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<td>Defects Analysis of Printed Tissue Paper Products using Eight Disciplines Method (Case Study of PT IGP Internasional Sleman)</td>
<td>Siti Nurmalia and Cahyono Sigit Pramudyo, Industrial Engineering Department, Faculty of Science and Technology, Universitas Islam Negeri Sunan Kalijaga, Yogyakarta, Indonesia</td>
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<td>150</td>
<td>Problems and Solutions, Quality Management Systems in Startups Business</td>
<td>Ayi Tejaningrum, Senior Lecturer, School of Economic and Management, Stie Ekuitas, Bandung Indonesia</td>
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<td>Quality Control Analysis of Conveyor Production in Curing Machine with Statistical Process Control</td>
<td>Arinda Soraya Putri, Rifa Ari Setyawan and Nadiea Aurealnisa Syazili, Industrial Engineering Department, Faculty of Engineering, Universitas Muhammadiyah Surakarta, Jl. Ahmad Yani Tromol Pos 1, Surakarta, Indonesia</td>
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<td>Quality Control Management with Six Sigma Approach to Minimize Defects in The Invasion Production Process</td>
<td>Nazaruuddin, Muhammad Rizki, Muhammad Isnaini Hadiyul Umam and Muhammad Lutfi Hamzah, Assistant Professor Industrial Engineering Industrial Engineering Department, Faculty of Science and Technology, Universitas Islam Negeri Sultan Syarif Kasim Riau, Riau, Indonesia</td>
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<td>Quality Improvement and Waste Minimization in the Production Process of 450 Mm Jacking Pipe Using the Lean Six Sigma Method</td>
<td>Azalia Zafira, Rina Fitriana and Idriwal Mayusda, Department of Industrial Engineering, University Trisakti, Jakarta, Indonesia</td>
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### September 13 (TUESDAY) - Session: 8:00 – 9:45 am

#### 8:00 – 9:45 am, TUESDAY  Global Business Management Education  Room 2

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<td>Analysis of The Influence of Social Media Exhaustion on Lecturer Performance in Indonesia with Perceived Organizational Support Related to Technology and Technology Self-Efficacy as Moderators</td>
<td>Ary Priambodo, Faculty of Economics and Business, Universitas Gadjah Mada  Tur Nastiti, Department of Management, Faculty of Economics and Business, Universitas Gadjah Mada</td>
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<td>Chia Seeds (Salvia hispanica L.) Based Sports Energy Gel: Can it Affect Young Football Athletes' Hydration Status and Blood Glucose Level?</td>
<td>Yanesti Nuravianda Lestari, Eko Farida and Nur Fauzi, Bachelor of Nutrition, Public Health Science Departement, Faculty of Sports Sciences Universitas Negeri Semarang, Indonesia  Adiska Rani Ditya Candra, Department of Sports Coaching, Faculty of Sports Sciences, Universitas Negeri Semarang, Indonesia  Nur Amin, Department of Sports Science, Faculty of Health Sciences, Universitas Ngudi Waluyo, Indonesia</td>
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<td>554</td>
<td>Conceptual Framework of Patient Brand Value co-creation</td>
<td>Dahlia Darmayanti, Faculty of Business - International Business Program, BINUS Business School – BINUS University, Jakarta, Indonesia  Togar M. Simatupang and Priyantono Rudiito, Institut Teknologi Bandung - School of Business and Management, Bandung, Indonesia</td>
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<td>Development of Integrated Journal Management Information System to Achieve a Good-Governance UNNES Journals</td>
<td>Evi Widowati, Center of Journal Development and Publication, Universitas Negeri Semarang, Research and Community Service Institute Public Health Department, Faculty of Sport Science, Universitas Negeri Semarang, Semarang, Indonesia  Muhammad Kurniawan, Center of Journal Development and Publication, Universitas Negeri Semarang, Research and Community Service Institute Public Health Department, Faculty of Mathematics and Natural Sciences, Universitas Negeri Semarang, Semarang, Indonesia  Sri Kadarwati, Center of Journal Development and Publication, Universitas Negeri Semarang, Research and Community Service Institute Public Health Department, Faculty of Chemistry, Faculty of Mathematics and Natural Sciences, Universitas Negeri Semarang, Semarang, Indonesia  Atika Wijaya, Center of Journal Development and Publication, Universitas Negeri Semarang, Research and Community Service Institute Public Health Department, Faculty of Social Science, Universitas Negeri Semarang, Semarang, Indonesia  Atno Atno, Center of Journal Development and Publication, Universitas Negeri Semarang, Research and Community Service Institute Public Health Department, Faculty of Social Science, Universitas Negeri Semarang, Semarang, Indonesia</td>
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ID 126 Development of Self-Talk Training Methods To Improve Psychological Skills In Athletes: Aiken Validity
Adisakat Rani Ditya Candra, Dewangga Yudhistira and Sobihin, Department of Sport Coaching and Education, Faculty of Sports Science Universitas Negeri Semarang, Indonesia

Gustiana Mega Anggita, Department of Sports Science, Faculty of Sports Science, Universitas Negeri Semarang, Indonesia

ID 17 Digital Food Marketing: Challenge for Vocational School
Meilani Dhamayanti and Siswanti, Senior Lecturer, Digital Communication Department, Faculty of Digital Communication and Hotel Tourism Bina Nusantara University, Jakarta, Indonesia, RigCrosscom
Yulianne Safitri, Lecturer, Digital Communication Department, Faculty of Digital Communication and Hotel Tourism, Bina Nusantara University Jakarta, Indonesia, RigCrosscom
Ina Dwianti, Principal, SMK Insan Cendekia, Yogyakarta

ID 135 Emotional Stability among Student-Athletes when Resisting Swearwords as Their Expressive Supports in Sport Competitions
Hery Setyawati and Tandiyo Rahayu, Department of Physical Education, Faculty of Sport Science, Universitas Negeri Semarang, Indonesia
Didik Rinan Sumekto, English Education Department, Directorate of Graduate in Education, Universitas Sarjanawiyata Tamaniswisa, Yogyakarta, Indonesia

Nur Hazliyanti binti Mohamad Khalid, Faculty of Sport Science and Coaching, Universiti Pendidikan Sultan Idris, Tanjung Malim, Perak, Malaysia

ID 208 Analysis of Factors Affecting the Audit Quality, Financial Condition, Opinion Shopping, and Debt Default Against the Going Concern Audit Opinion Acceptance (Case Study on IDX Manufacturing Company in the Food and Beverage Sub-Sector of 2016-2020)
Dedik Nur Triyanto, S.E., M.Acc., Thesis Supervisor, School of Economics and Business Telkom University Bandung, Indonesia
Aprilia Tri Anggraini, Accounting Undergraduate Program School of Economics and Business, Telkom University Bandung, Indonesia

ID 751 Analysis of Factors Affecting the Audit Quality, Financial Condition, Opinion Shopping, and Debt Default Against the Going Concern Audit Opinion Acceptance (Case Study on IDX Manufacturing Company in the Food and Beverage Sub-Sector of 2016-2020)
Dedik Nur Triyanto, S.E., M.Acc.
Thesis Supervisor
School of Economics and Business Telkom University Bandung, Indonesia
Aprilia Tri Anggraini Accounting Undergraduate Program School of Economics and Business Telkom University Bandung, Indonesia

ID 589 Analysis of Raw Material Cement to Minimize Inventory Costs Using the Material Requirement Planning Method at PT. XYZ
Adnan Akbar Isnaoyana, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Indonesia

Wahyudi Sutopo, University Centre of Excellence for Electrical Energy Storage Technology, Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

8:00 – 9:45 am, TUESDAY Undergraduate Student Paper Competition Room 3
Session Chair and Judge:
Dr. Rozlina Bte Md. Sirat, Universiti Teknologi Malaysia
Wan Nazdah Bte Wan Hussin, Universiti Teknologi Malaysia
Eko Setiawan, ST, MT, Ph,D, Head of Industrial Engineering Study Programme, Universitas Muhammadiah Surakarta, Indonesia
Dr.Ratna Purwaningsih, ST, MT., Head of Industrial Engineering Department, Universitas Diponegoro, Semarang, Indonesia

ID 1 A Comparative Study of Cognitive Factors Affecting Social Distancing Among Vaccinated and Unvaccinated Filipinos
Belara Emmanuel Carlo, Dela Merced, Albert John, Dominguez, Mark Anthony, Erasga, Diomari, Ferrer, Jerome, Ombrog and Bernard, Technological Institute of the Philippines, College of Engineering and Architecture, Industrial Engineering Department, Cubao, Quezon City

ID 399 An Overview of Child Exploitation in Social Media from The Criminal Law Perspective
Syanantya Larasati Wibisono, Undergraduate Student, Business Law Program, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia,
Ahmad Sofian, Lecturer, Business Law Program, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 462 Analysis and Design of a Food Court Ordering and Reservation System using Design Thinking Methodology
Lorenz Martin Pineda, Angelo Sebastian Vasquez, Shaun Given Rio and Grace Lorraine Intal, School of Information Technology, Mapua University, Makati City, Philippines

ID 710 Analysis of Additional People Hours on the Cost of the 60 Meters Fast Ship Project Using Precedence Diagram Method (PDM) and What if Analysis
Wandha Semalian, Fitri Hardiyanti, and Aditya Maharani, Business Management Department, Shipbuilding Institute of Polytechnic Surabaya Surabaya, Indonesia

ID 286 Analysis of Factors Affecting the Audit Quality, Financial Condition, Opinion Shopping, and Debt Default Against the Going Concern Audit Opinion Acceptance (Case Study on IDX Manufacturing Company in the Food and Beverage Sub-Sector of 2016-2020)
Dedik Nur Triyanto, S.E., M.Acc., Thesis Supervisor, School of Economics and Business Telkom University Bandung, Indonesia
Aprilia Tri Anggraini, Accounting Undergraduate Program School of Economics and Business, Telkom University Bandung, Indonesia

ID 751 Analysis of Factors Affecting the Audit Quality, Financial Condition, Opinion Shopping, and Debt Default Against the Going Concern Audit Opinion Acceptance (Case Study on IDX Manufacturing Company in the Food and Beverage Sub-Sector of 2016-2020)
Dedik Nur Triyanto, S.E., M.Acc.
Thesis Supervisor
School of Economics and Business Telkom University Bandung, Indonesia
Aprilia Tri Anggraini Accounting Undergraduate Program School of Economics and Business Telkom University Bandung, Indonesia

ID 299 Analysis of Non-Financial Factors on Timeliness of Financial Statement Submission (Study of Consumer Cyclical Companies Listed on Indonesia Stock Exchange 2016-2020)
Novita Aulia Regine Perdana, Muhaimin Muslih and Wahdan Arum Inawati, Department of Accounting, Faculty of Economics and Business Telkom University, Bandung, Indonesia

8:00 – 9:45 am, TUESDAY Undergraduate Research Competition Room 4
Session Chair and Judge:
Dr. Eko Liudiddanu, ST, MT, Head of Industrial Engineering Study Programme, Universitas Sebelas Maret, Surakarta, Indonesia
Dr.Singgih Saptadi, ST., MT Head of Industrial Engineering Study Programme, Universitas Diponegoro, Semarang, Indonesia
Dr. Mohd Azlan Bin Suhaimi, Universiti Teknologi Malaysia

ID 589 Analysis of Raw Material Cement to Minimize Inventory Costs Using the Material Requirement Planning Method at PT. XYZ
Adnan Akbar Isnaoyana, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Indonesia

Wahyudi Sutopo, University Centre of Excellence for Electrical Energy Storage Technology, Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

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ID 614  Analysis of TIX ID Application’s User Satisfaction Through E-Service Quality Using Importance-Performance Analysis (IPA) Method
Malva Ravieda Apsari and Mahir Pradana, S1 Business Administration Study Program, Faculty of Communication and Business, Telkom University Bandung, Indonesia

ID 9  Comparative Analysis and Evaluation between Traditional and Online Learning in Engineering Education, Focused on Introduction to Engineering
Mary S. Dedel, Daryl N. Magdurulan, Kristian Q. Malaluan and Bea M. Santos, Department of Industrial Engineering, University of Santo Tomas, España Boulevard, Sampaloc, Manila, Philippines
Asst. Prof. Charmina Lou C. Bautista, MES, Department of Industrial Engineering University of Santo Tomas, España Boulevard, Sampaloc, Manila, Philippines

ID 387  Comparative Regulation Of Misleading False News In Advertisements Between Indonesia, The United States And The Philippines
Anindita Kumia Putri, Undergraduate Student, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia
Bambang Pratama, Lecturer, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 304  Effect of Liquidity Ratio, Activity Ratio, CEO Power and Economic freedom on Bond Rating (Empirical Study on Non-Financial Companies Rated by PT. Pemeringkat Efek Indonesia 2016-2020)
Pascalina Sindi Naeswari, Student, Faculty of Economic and Business, Telkom University-Bandung, Indonesia
Khairunnisa, Lectures, Faculty of Economic and Business, Telkom University-Bandung, Indonesia

ID 257  Effect of Ownership Structure, Profitability, and Liquidity on Risk Management Disclosure
Lamhot Gregorio Experenso Aritonang, Student, Faculty of Economics and Business, Bandung – Telkom University, Indonesia
Dewi Khrisna Mahardika, Lecturer, Faculty of Economics and Business, Bandung – Telkom University, Indonesia

ID 616  Gesture Based Control of the Industrial Robots
Irfan Fikhri bin Izahar and Tanveer Saleh, Autonomous System and Robotics Research Unit (ASRRU), Department of Mechatronics, International Islamic University Malaysia, Gombak, Malaysia

ID 165  The Sentiment Analysis of User Perception on The Peduli Lindungi Application Using Support Vector Machine Algorithm
Yohana Ruth Wulan Natalia Susanto, Aisyah Larasati, and Vertic Eridani Budi Darmawan, Industrial Engineering Department, Faculty of Engineering, State University of Malang, Malang, Indonesia

8:00 – 9:45 am, TUESDAY  Supply Chain and Logistics Competition  Room 5
Session Chair and Judges:
Dr. Eng. Erwin Widodo, ST, M. Eng, Institut Teknologi Sepuluh November (ITS), Surabaya, Indonesia
Associate Professor Dr. Azanizawati Ma’aram; Universiti Teknologi Malaysia

Dennis Marchello and Jessica, Student of Industrial Engineering, Department of Industrial Engineering, Faculty of Engineering, Tarumanagara University, Jakarta, Indonesia
Lina Gozali, Lecturer in Industrial Engineering, Department of Industrial Engineering, Faculty of Engineering, Tarumanagara University, Jakarta, Indonesia
Ahad Ali, Leon Linton Department of Mechanical, Robotics and Industrial Engineering, Lawrence Technological University, Southfield, MI, USA

ID 5  Assessing Furniture Brands in Marketing 4.0 for Green Supply Chain Management (GSCM) using Multi-Criteria Decision-Making (MCDM)
Saleh Yahya Alghamdi, Assistant Professor, College of Engineering, King Khalid University, Abha, Kingdom of Saudi Arabia

ID 606  Integration of Krajlic’s Portfolio Model and Purchasing Price Assessment-DEA in Improving Procurement Efficiency
Nia Budi Puspitasari, Zainal Fanani Rosyada, Aries Susanty and Arthur Kennart Murdiantoro, Industrial Engineering Department, Faculty of Engineering, Universitas Diponegoro, Semarang, Indonesia

ID 162  Production Planning, Inventory and Capacity In Pt. Wdy And Erp Simulation Open Source
Bratayuda Raya, Lina Gozali and Carla Olyvia Doaly, Industrial Engineering Department, Universitas Tarumanagara, Jakarta, Indonesia

ID 533  The Role of Entrepreneurial Orientation, Organizational Culture, and Technology Resources in Encouraging Supply Chain Management
Iwan Hermawan, Inayah, Suhamarto, Luqman Khakim and Jati Nugroho, Lecturer of Business Administration Major, Politeknik Negeri Semarang, Indonesia
Nur Nelisa Adah, Student of Business Administration Major, Politeknik Negeri Semarang, Semarang, Indonesia

COVID-19 Analytics Competition

ID 77  Business Feasibility Study of Portable Washbin Products for Public Facilities
Berta Lawrensa, Kenneth Pardamean Simorangkir, Dharmawan Tanuwijaya, and Dian Safitha Firdaus AK, Industrial Engineering Department Faculty of Engineering, Tarumanagara University, Jakarta, Indonesia
Lina Gozali, Wilson Kosasih, Carla Olyvia Doaly, Agustinus Purna Irawan and Harto Tanuwijaya, Industrial Engineering Department, Faculty of Engineering, Tarumanagara University, Jakarta, Indonesia

ID 658  Studying the COVID-19 Impact on the Antarctic Glacier Melting Rate
Mason Chen, Stanford OHS, Academy Hall Floor 2 8853 415 Broadway, Redwood City, CA 94063, USA
ID 164  Quality Improvement of Tix.id Application Using Gap Analysis, and Quality Function Development (QFD) Method by Using House of Quality (HOQ)
Thomson Richard and Geraldo Rafael, Students in Industrial Engineering Department, Faculty of Engineering, Tarumanagara University
Jakarta, Indonesia
Lina Gozali and Lithrone Laricha Salomon, Lecturer in Industrial Engineering, Faculty of Engineering, Tarumanagara University, Jakarta, Indonesia
Ahad Ali, A. Leon Linton Department of Mechanical, Robotics and Industrial Engineering, Lawrence Technological University, Southfield, MI, USA

8:00 – 9:45 am, TUESDAY  Supply Chain Management  Room 6
Session Chair: Fitra Lestari, UIN Sultan Syarif Kasim, Riau, Indonesia

ID 412  Analysis of Measurement and Supply Chain Risk Management Control Using House of Risk Method
Sambudi Hamali, Diana Vita Marina, Yaya Jakarta and Kezia Stefana, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

ID 156  Design of Dashboard Monitoring System Inventory and Material Handling Reagent for Fast Moving Laboratory
Chicha Magdalena Rupang and and Taufik Roni Sahroni, Industrial Engineering Department, BINUS Online Learning, Bina Nusantara University Jakarta, Indonesia

ID 563  Framework Development of Supply Chain Readiness 4.0 Measurement
Dian Fajirika, Doctoral Student of Industrial Engineering Program, Department of Mechanical and Industrial Engineering, Universitas Gadjah Mada Yogyakarta, Indonesia
Industrial Engineering Program, Department of Production and Industrial Technology, Institut Teknologi Sumatera, Lampung, Indonesia
Alva Edy Tantowi, Bertha Maya Sopha and Fitri Trapsilawati, Industrial Engineering Program, Department of Mechanical and Industrial Engineering Universitas Gadjah Mada, Yogyakarta, Indonesia

ID 577  Implementing Ethical ‘Code of Work Ethics’: A Case Study of Apple and Foxconn Supply Chain
Desty Maharani and Tirta Nugraha Mursitama, Department of International Relations, Bina Nusantara University, Jakarta, Indonesia

ID 105  Life Cycle Assessment Using Supply Chain Strategy on Palm Oil Agro-industry
Fitra Lestari, Naufal Abdurrahman Hawari, and Raka Maureka, Industrial Engineering Department, UIN Sultan Syarif Kasim, Riau, Indonesia
Susmardi Masti Casoni, Chemical Engineering Department, Muhammadiyah Riau University, Riau, Indonesia

ID 376  Mapping Maritime Logistics Collaborations in Fishing Industry
Dothy, Doctoral Program of Technology Management, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia
Raja Oloan Saut Gurning, Department of Marine Engineering, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia
Imam Baihaqi, Department of Business Management, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia
Jeri Agerista Sembriring, Department of Marine Engineering, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia

ID 532  Organizational Culture through Technology Resources as Antecedents and its Impact on Export Performance of The Furniture Industry
Iwan Hermawan, Inayah, Lecturer, Department of Business Administration, Politeknik Negeri Semarang, Semarang, Indonesia
Gita Hindrawati, Student, School of Business Management, Institut Teknologi Bandung, Bandung, Indonesia
Sam’ani, Lecturer, Department of Accounting, Politeknik Negeri Semarang, Semarang, Indonesia
Adrianita Nur Indah Sari, Student, Department of Business Administration, Politeknik Negeri Semarang, Semarang, Indonesia

8:00 – 9:45 am, TUESDAY  Business Management  Room 7
Session Chair: Rano Kartono Rahim, Management Department, BINUS Business School Doctor of Research in Management, Bina Nusantara University

ID 245  The Analysis of Coffee Shop Customer Loyalty in Jakarta Metropolitan Area During the Covid-19 Pandemic Title
Christian Lim and Yunitawijaya Handranata, Business Creation Program, Management Department, BINUS Business School Undergraduate Program, Universitas Bina Nusantara, Jakarta, Indonesia
Rano Kartono Rahim, Management Department, BINUS Business School Doctor of Research in Management, Bina Nusantara University Jakarta, Indonesia

ID 546  The Effect of Brand Awareness, Brand Image, And Perceived Quality On Customer Loyalty Through Starbucks Customer Satisfaction
Febbi Adhiastri Melanie, Farah Oktafani and Mahir Pradana, Department of Business Administration, Telkom University, Bandung, Indonesia

ID 706  The Effect of Compensation and Organizational Culture on Employee Work Motivation at Grand Mercure Bandung Setiabudi
Vira Rizkyka Syawaline, Student of Magister Management, Faculty of Economis and Business, Telkom University, Bandung, Jawa Barat, Indonesia
Dian Indiyati, Lecturer of Magister Management, Faculty of Economis and Business, Telkom University, Bandung, Jawa Barat, Indonesia

ID 272  The Effect of Compensation Restaurant Tax, Advertising Tax, Hotel Tax, and Parking Tax on Local Revenue of Metro City in 2016-2020
Arda Gani Asalam and Irmala Ayu Okta Annisa, Faculty of Economics and Business, Telkom University, Bandung, Indonesia

ID 743  The Effect of Entrepreneurship Education and E-Commerce on Interest in Entrepreneurship Using Android-Based Accounting Information Systems as Moderating Variables
Muhammad Wildan Sholih, Imam Prayogo, Muhammad Ubaidillah, and Armania Putri Wardhani, Diploma in Financial Accounting, Faculty of Vocational School PSDKU Pekalongan, Diponegoro University, Indonesia

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September 13 (TUESDAY) - Session: 9:30 am – 1:00 pm - Room 1

9:30 Conference Opening

10:00 Keynote I:

Dr. Elsayed A. Elsayed  
Distinguished Professor  
Rutgers University, New Jersey, USA

11:00 Keynote II:

Dr Muhamad Nurjayadi Tamam  
Director, Malaysia Productivity Corporation, Malaysia

11:40 Keynote III:

Dr Wawan Dhewanto  
Professor of Enterpreneurship  
Institut Teknologi Bandung, Indonesia

12:20 Keynote IV:

Casey Ang  
Founder, Lenoxcells Consulting  
Malaysia
Aulya Izza Anggini, Faculty of Economics and Business, Accounting Student, Telkom University, Bandung, Indonesia
Ardan Gani Asalam, Faculty of Economics and Business, Lecturer of Accounting, Telkom University, Bandung, Indonesia

ID 689 The Influence of Debt Default, Activity Ratio, and Bankruptcy Prediction on Going Concern Audit Opinion (Study on Companies in the Retail Trade Subsector Listed on the Indonesia Stock Exchange 2016-2020)
Ali Riza Fahlevi, Faculty of Economics and Business, Lecturer of Accounting, Telkom University, Bandung, Indonesia
Mohamad Rafki Nazar, Faculty of Economics and Business, Lecturer of Accounting, Telkom University, Bandung, Indonesia

ID 301 The Era of Digital Transformation in The Context of Insurers
Maria João Rebelo da Silva, Student of Engineering and Information Systems Management, University of Minho, Guimarães, Portugal
Jorge Oliveira e Sá, Professor at the Department of Information Systems, University of Minho, Guimarães, Portugal

ID 644 The Effect of Total Asset Turnover Ratio, Return on Asset, and Dividend Policy on The Investment Opportunity Set (IOS)
Rahayu Puji Utami and Muhamad Muslih, S.E., M.M., CSRA, Accounting, Faculty of Economics and Business, Telkom University, Bandung, Indonesia

Arda Yuni Asalam, Faculty of Economics and Business, Lecturer of Accounting, Telkom University, Bandung, Indonesia
Shinta Nur Ria Rindiani, Faculty of Economics and Business, Lecturer of Accounting, Telkom University, Bandung, Indonesia

ID 201 The Influence of Company Growth, Management Change, Audit Report Lag, and Financial Distress on Auditor Switching (Empirical Study in the Infrastructure, Utilities, and Transportation Sector 2016-2020)
Laksmi Azizah and Dedi Nur Trystanto, Faculty of Economics and Business, Telkom University, Bandung, Indonesia

ID 424 The Influence of Digital Marketing on the Student Recruitment Process in the Private Higher Education Sector in Perú
Andres Sotomayor-Vidal and Diego Alonso Mini-Cuadros, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú
Juan Carlos Quiroz-Flores, Research Professor, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú

ID 689 The Influence of Executive Characters, Leverage, And Managerial Ownership on Tax Avoidance (Empirical Study of Manufacturing Companies Listed on Indonesia Stock Exchange (IDX) in 2018-2020)
Arda Yuni Asalam, Faculty of Economics and Business, Lecturer of Accounting, Telkom University, Bandung, Indonesia
Auliya Izza Anggini, Faculty of Economics and Business, Accounting Student, Telkom University, Bandung, Indonesia

11:30 am – 1:30 pm, TUESDAY

Session Chair: Retno Wulan Damayanti, Industrial Engineering Study Program, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

ID 221 Determinant of the Fraud Pentagon Theory for Fraudulence Financial Reporting
Ajeng Luthfiyatul Farida and Dhian Wahyuni, Department of Accounting, Faculty of Economics and Bussines, Telkom University, Bandung, Indonesia
Putri Fariska, Department of Management Business, Faculty of Economics and Bussines, Telkom University, Bandung, Indonesia
ID 442 **Project Management Model Applying Agile, Design Thinking and Lean Methodologies for the Improvement of Customer Service in an Insurance Brokerage SME**
Jose Fabrizio Burga-Aguayo and Belén Andrea Urrutia-Vargas, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Lima, Perú
Rafael Chavez-Ugaz, Research Professor, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Lima, Perú

ID 5 **Success Story of First Malaysia Flare Tips Decommissioning in Sarawak Offshore Field Platform**
Muhammad Sahir Ahmad Shatiry, Universiti Teknologi Malaysia

ID 54 **The Influence of Project Management Office (PMO) on Project in Telecommunications Industry**
Maria Fiasta Hestryosari, Undergraduate Program of Industrial Engineering Study Program, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Indonesia
Eko Pujianto, Industrial Engineering Study Program, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
Retro Wulan Damayanti, Industrial Engineering Study Program, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
Center of Technology Development and Industrial Collaboration, Institute for Research and Community Service, Universitas Sebelas Maret Surakarta, Indonesia

ID 773 **Effects of pH Level, Temperature in Fish Tank, and Temperature in Grow Bed on the Growth of Nile Tilapia and Romaine Lettuce in an Automated Aquaponics System**
Julian Clement C. Villanueva, and Alejandro H. Ballado, Jr., Mapua University, School of Graduate Studies, Murralla St., Intramuros, Manila, Philippines
Rene D. Estember, School of Industrial Engineering and Engineering Management, Mapúa University, Murralla St., Intramuros, Manila, Philippines

11:30 am – 1:30 pm, TUESDAY Industrial Management Room 5
Session Chair: Mohd Firdaus Mohd Taib, Senior Lecturer, School of Mechanical Engineering, Faculty of Engineering, Universiti Teknologi Malaysia

ID 56 **Are bioplastics really environmentally friendly?**
Ian Yew, Kolej Tuanku Ja'afar

ID 426 **Environmental Impact of Medical Waste Treatment**
Ariana Daniela Bartel Solorzano and Maria José Muñoz Wu, Faculty of Engineering and Architecture, University of Lima, Lima, Perú
Rosa Patricia Larlos-Francia, Research Professor, Faculty of Engineering and Architecture, University of Lima, Lima, Perú

ID 22 **Factors that Influence Successful Technology Commercialization**
Ayodeji Sulaiman Olawore, Kuan Yew Wong and Azanizawati Ma'aram, School of Mechanical Engineering, Universiti Teknologi Malaysia, Skudai, Malaysia
Wahyudi Suitopo, Department of Industrial Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

ID 371 **A Literature Review on Digital Marketing Strategies and Its Impact on Batik SMEs After COVID-19 Pandemic**
Agus Mansur, Elanjati Worldailmi, and Wahyudhi Sutrisno, Senior Lecturer, Industrial Engineering Department, Faculty of Industrial Technology Universitas Islam Indonesia, Sleman, Yogyakarta, Indonesia
Syafa Thania Prawibowo, Shafina Abdul Aziz Baraba, and Arham Nashiruddin Hakim, Student, Industrial Engineering Department, Faculty of Industrial Technology, Universitas Islam Indonesia, Sleman, Yogyakarta, Indonesia

ID 547 **Consumer Perceptions Analysis of the Influence of Product Quality, Price, Service Quality, and Social Media Promotion on the Purchase Decision of Device Accessories Using Multiple Linear Regression Method (Case Study: Dazzle Yogyakarta)**
Khushna Dwijayanti and Rafika Ulfa Mutmainnah, Departement of Industrial Engineering, Faculty of Science and Technology, State Islamic University of Sunan Kalijaga, Yogyakarta, Indonesia

ID 692 **Critical Success Factors for Lean Healthcare Implementation and Sustainable: A pilot study in Local Healthcare in Malaysia**
Ahmad Naufal Adnan, Engineering Student, School of Mechanical Engineering, Faculty of Engineering, Universiti Teknologi Malaysia, Johor Bahru, Malaysia and School of Mechanical Engineering, College of Engineering Universiti Teknologi MARA, 81700 Pasir Gudang, Malaysia
Azanizawati Ma'aram, Associate Professor, School of Mechanical Engineering, Faculty of Engineering, Universiti Teknologi Malaysia, Johor, Malaysia
Rozlina Md. Sirat and Mohd Firdaus Mohd Taib, Senior Lecturer, School of Mechanical Engineering, Faculty of Engineering, Universiti Teknologi Malaysia, Skudai Johor, Malaysia
Azianti Ismail, Associate Professor, School of Mechanical Engineering, College of Engineering, Universiti Teknologi MARA, 40450 Shah Alam Selangor, Malaysia
Zalina Libasin, Medical Officer, Center for Organizational Excellence Development, Institute of Health Management, Ministry of Health Malaysia, Malaysia

ID 552 **Cross-Industry Standard Process for Data Mining (CRISP-DM) Approach in Determining the Most Significant Employee Engagement Drivers to Sales at X Car Dealership**
Ananda Kejora Rotty, Triwulandari Satitidjati Dewayana and Anik Nur Habyba, Industrial Engineering Department, Faculty of Industrial Technology Universitas Trisakti, Jakarta, Indonesia

ID 279 **Efecto de la implementación de Herramientas Lean y el desempeño operacional en empresas Manufactureras: Una revisión Literaria**
Juan Carlos Herrera Vega, Departamento de Ingeniería Industrial, Fundación Universitaria Tecnológico Comfenalco, Cartagena de Indias, Colombia
ID 732 Factors Influencing Fresh Food Purchase Intention at Online Store on E-marketplace – A Mediation Effect of Online Trust in Store
Jennifer Aidrin and Liuswandi, Student in Masters Management Program, Bina Business School, Bina Nusantara University, Jakarta, Indonesia
Evi Rinaawati Sijainjuntak, Faculty Member in Masters Management Program, Bina Business School, Bina Nusantara University, Jakarta, Indonesia

ID 731 Implementation of Digital Transformation in Student Organizations
Yohannes Kurniawan, Wisnu Ramadhan and Erwin Halim, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia
Agus Putranto, School of Information Systems, Bina Online Learning, Bina Nusantara University, Jakarta, Indonesia

ID 23 Improve E-Learning Ecosystem with Big Data in Higher Education
Inayatulloh, Information Systems Department, School of Information system, Bina Nusantara University, Jakarta, Indonesia
Nico Djundharto Djajasinga, Politeknik Transportasi Darat Indonesia-STTD
Destiana Utarindasari, Sekolah Tinggi Ekonomi Bisnis Islam Syar’i’ah Bina Mandiri.
Rizky Muslim Fadhillah Fachri, Data Science Cyber Security Swiss German University

ID 521 Increasing the Purchase Intention by Using E-Wom in F&B Products Among TikTok Users in Greater Jakarta
Jessica Widjaya, Bella Putri Lewa and Ario S. Setiadi, Business Management Program, Management Department, BINUS Business School Master Program, Bina Nusantara University, Jakarta, Indonesia

ID 711 Online Event Transformation; Integrated Channel Model in Event Management
Gabriella Sagita Putri, Nisrin Husna, Achmad Safiaji and Tiffany Nethania Suseno, Public Relations Department, Faculty of Digital Communication and Hotel & Tourism, Bina Nusantara University, Jakarta, Indonesia

ID 28 Recommendation of the Best Majors in Higher Education for Students Career with Big Data
Inayatulloh, Information Systems Department, School of Information system, Bina Nusantara University, Jakarta, Indonesia
Rajiv Dharma Mangrul, Communication and Business-Telkom University, Bandung, Indonesia
RizkyMuslim Fadhillah Fachri, Data Science Cyber Security Swiss German University

ID 255 The Design of the SMEs Digital Innovation Business Collaboration Model
Suhartini and Nina Aini Mahbubah, Industrial Engineering Faculty of Industrial Technology, Institut Teknologi Adhi Tama Surabaya
Surabaya, Jawa Timur, Indonesia
Mohammad Basir, Mechanical Engineering Faculty of Engineering, Universitas Islam Malang, Malang, Jawa Timur, Indonesia

ID 90 The Impact of COVID-19 Pandemic on E-commerce Firms: Data Mining for the Provinces in Indonesia
Gunawan, Lecturer, Department of Industrial Engineering, Faculty of Engineering, University of Surabaya, Surabaya, Indonesia

11:30 am – 1:30 pm, TUESDAY  Business Management   Room 7
Session Chair: Abd Rahman Ahmad, Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia, Batu Pahat, Johor, Malaysia

ID 538 The Influence of Service Quality and Price on Customer Loyalty Through Satisfaction Customer As An Intervening Variable on Telkomsel Card Users In Indonesia
Agung Sudjatmoko, Anissa Dzakirah Suminoto, Salma Amalia Syafira, Triawahyuning Ramadanti, Yulhendi, and Delvi Safitri, BBS Undergraduate Program, Bina University, Jakarta, Indonesia

ID 218 The Influence of Travel Website towards the Decision-Making: A Case on TripAdvisor
Dimas Yudistira Nugroha and Ida Jahidi, Faculty Member of Entrepreneurship Department, BINUS Business School Undergraduate Program
Bina Nusantara University, Bandung Campus, Bandung Indonesia
Dani Suandi, Faculty Member of Computer Science Department, School of Computer Science, Bina Nusantara University, Bandung Campus, Bandung, Indonesia
Aris Darisman, Faculty Member of Visual Communication Design Department, School of Design, Bina Nusantara University, Bandung Campus, Bandung, Indonesia

ID 558 The Pleonasm in Strategic Initiation? Revisiting Concept, Content and Context
Heru Santosa Hadiyanto, Senior Lecturer, Bina Business School, Bina Nusantara University, Jakarta, Indonesia

ID 40 The Relationship among Perceived Quality, Perceived Value, Perceived Risk, and Consumer Satisfaction at Local Coffee Shops in Bandung Indonesia
Gita Permatas Liansari, Student at Industrial Engineering and Management Department, Institut Teknologi Bandung, Lecturer at Industrial Engineering Department, Institut Teknologi Nasional Bandung, Indonesia
Dhridge Ardianto, Professor at Industrial Engineering and Management Department, Institut Teknologi Bandung, Indonesia

ID 642 The Role of Leaders during Organisational Change Caused by Covid-19 and Digitalisation
Genevieve Abigail Sookhoo, Desmond Maefa, Lawrance Seseni and Thato Mngomezulu, Department of Business Management, School of Management, College of Business and Economics, University of Johannesburg, Johannesburg, South Africa

ID 24 The Role of National Culture on Job Satisfaction among Academic Staff in the United Arab Emirates
Abd Rahman Ahmad and Ali Hassan Yousif Alhammadi, Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia, Batu Pahat, Johor, Malaysia
Anuar Shah Bali Mohamed and Siti Salwa Sheik Mokhtar, School of Business and Economic, Universiti Putra Malaysia, Malaysia
ID 422  The Role of Non-Judge Mediators in Settlement of Civil Disputes in the District Court (Tangerang District Court Case Study)  
Nirmala Many, Lecturer, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia  
Gloria Claudy Lensun, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 553  The Role of Psychological Empowerment in Increasing Organizational Commitment  
Enny Noegragen Hindarwati, Laksmsi Sito Dwi Irvianti, Masruroh and Raphael Biru Langit, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

1:00 – 2:00 pm – Lunch Break

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**September 13 (TUESDAY) - Session: 2:00 – 3:45 pm**

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<td>2:00 – 3:45 pm</td>
<td><strong>GBME</strong> Room 1</td>
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<td>Session Chair: Professor Dr. Abdul Talib Bin Bon (Universiti Tun Hussein Onn, Malaysia)</td>
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<td>Dr Fahirah Syaliza Binti Mokhtar, Universiti Malaysia Terengganu</td>
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<td>Professor Abu Masud, Ph.D., P.E. – IEOM President, 2019 – 2021</td>
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<td>Department of Industrial and Manufacturing Engineering</td>
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<td>Ir. Ts. Dr Zaki Yamani</td>
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© IEOM Society International  3rd Asia Pacific Conference
2:00 – 3:45 pm, TUESDAY  Undergraduate Student Paper Competition  Room 3

Session Chair and Judge:
Dr. Ir. Ts. Nor Hasril Akhmal Bin Nga'dim, Universiti Teknologi Malaysia
Dr. Mohd Farid B. Ahmad Zaharudin, Universiti Teknologi Malaysia
Eko Setiawan, ST., MT, Ph.D, Head of Industrial Engineering Study Programme, Universitas Muhammadiyah Surakarta, Indonesia
Dr. Ratna Purwaningsih, ST., MT., Head of Industrial Engineering Department, Universitas Diponegoro, Semarang, Indonesia

ID 534 Analysis of Pain Level at Foot Area After Prolonged Standing Work
Muhammad Shahir Bin Shariffuddin, Engineering Student, School of Mechanical Engineering, Faculty Engineering, Universiti Teknologi Malaysia, Skudai, Johor, Malaysia
Jafri Mohd Rohani, Senior Lecturer, School of Mechanical Engineering, Faculty of Engineering, Universiti Teknologi Malaysia, Skudai, Johor, Malaysia
Ismail Abdul Rahman, OSH Consultant, Ergonomics Excellence Centre, National Institute of Occupational Safety and Health, Johor, Malaysia
Noorul Azreen Azis, Executive/Ergonomics Technical Officer, Ergonomics Excellence Centre, National Institute of Occupational Safety and Health, Johor, Malaysia

ID 393 Analysis of Productivity Level at Airport Companies in Indonesia Using Malmquist Productivity Index (Mpi)
Fajira Octrina, Lecturer, School of Economics and Business, Faculty of Economics and Business, Telkom University, Bandung, Indonesia
Nur Laely, Student, School of Economics and Business, Faculty of Economics and Business, Telkom University, Bandung, Indonesia

ID 207 Analysis of Shopping Cart Abandonment During the COVID-19 Pandemic
Artvin Kester S. Ong, School of Industrial Engineering and Engineering Management, Mapúa University, Intramuros, Manila, Philippines
Marjorie Joy R. Dejucos, Mary Anne F. Rivera, John Vincent D.J. Muñoz, Miguel S. Obd and Carlos Ignacio P. Lugay, Department of Industrial Engineering, Faculty of Engineering, University of Santo Tomas Manila, Philippines

ID 721 Application of A Zone-Based System in A Short Film Production During Covid-19 Pandemic
Nadya Marhadin and Azalia Muchransyah, Film Program, School of Design, Bina Nusantara University, Tangerang, Banten, Indonesia

ID 605 Application of ABC Analysis to Control Inventory and Material Excesses of the Winston Rattan Highback Armchair at PT Kharisma Rotan Mandiri
Hilmi Septabiyi, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Surakarta, Indonesia
Wahyudi Sutopo, University Centre of Excellence for Electrical Energy Storage Technology, Department, Faculty of Engineering, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

ID 456 Application of The Lean Six Sigma Method in The Process Cement Packaging in Minimizing Waste in Pt. C
Nadia Shesarina, Rina Fitriana and Elifra February Harahap, Department of Industrial Engineering, University Trisakti, Jakarta, Indonesia

ID 349 Audit Quality: Publication Age, Audit Fee, and Committee Meeting of Infrastructure, Utilities, and Transportation Sector in Indonesia
Helsa Febrina, Mohamad Rafki Nazar and Wahdan Arum Inawati, School of Economics and Business, Telkom University, Bandung, West Java, Indonesia

2:00 – 3:45 pm, TUESDAY  Undergraduate Research Competition  Room 4

Session Chair and Judge:
Dr. Eko Liquiddanu, ST., MT, Head of Industrial Engineering Study Programme, Universitas Sebelas Maret, Surakarta, Indonesia
Dr. Singgih Saptadi, ST., MT Head of Industrial Engineering Study Programme, Universitas Diponegoro, Semarang, Indonesia
Dr. Mohd Azlan Bin Suhaimi, Universiti Teknologi Malaysia

ID 189 Rubber Industry Closed-loop Supply Chain Total Cost Optimization Considering Transportation and Carbon Emission: A Case Study in The Philippines
Artvin Kester S. Ong, School of Industrial Engineering and Engineering Management, Mapúa University, Manila, Philippines
Mariel Danielle R. Amigable, Kristina Maryclea Mapanao, Jillian Partick DR. Santos, Shannen Gwyneth I. Umlas and Carlos Ignacio P. Lugay Jr., Industrial Engineering Department, Faculty of Engineering, University of Santo Tomas, España Blvd, Sampaloc, Manila, Philippines

ID 388 The Comparative of Regulations About Defamation on Electronic Media Between Indonesia, England, and Australia
Ivana Nadya Isyara, Undergraduate Student, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia
Bambang Pratama, Lecturer, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 362 The Comparative of Regulations About Online Gambling Between Indonesia, Malaysia, Singapore, And United Kingdom
Khansa Nur Aidah, Undergraduate Student, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia
Bambang Pratama, Lecturer, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 364 The comparative of Regulations About Violation of Decency on Electronic Media Between Indonesia, United States, England, and Canada
Siti Aisyah Meuthia, Undergraduate Student, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 300 The Effect of Intangible Assets, Foreign Ownership, and Profitability on Indications of Transfer Pricing
Khairennisa, Senior Lecturers, Faculty of Economic and Business, Telkom University, Bandung, West Java, Indonesia
Nadya Saradewi, Student, Faculty of Economic and Business, Telkom University, Bandung, West Java, Indonesia

ID 318 The Influence of Macroeconomic and Microeconomic Factors On Stock Price
Khairunnisa, Lectures, Majoring in Accounting, Faculty of Economics and Business, Telkom University, Bandung, Indonesia

ID 691 The Influence of Profitability, Leverage, and Intuitionial Ownership on Tax Avoidance (Study on Manufacturing Companies Listed on the Indonesia Stock Exchange in 2017 – 2020)
Ardan Gani Asalam and Indira Jihan Kamilah, Faculty of Economics and Business, Lecturer of Accounting, Telkom University, Bandung, Indonesia
ID 394 The Leader-Member Exchange Relationship and Work from Home Environment on Employee Satisfaction with Work Motivation in Startup Ecosystem
Anton Dwi Fitriyanto and Cecep Hidayat, Binus Business Schools Faculty. Bina Nusantara University, Jakarta, Indonesia

ID 794 Overtime Work, Time Management, and Employees' Work-Life Balance (a Perspective from Employees at a Human Capital Division in a Bank in West Java, Indonesia)
Anne Dewi Easya and Ade Irma Susanty, Business Administration Department, Faculty of Communication and Business, Telkom University, Bandung, West Java, Indonesia

2:00 – 3:45 pm, TUESDAY Doctoral Dissertation Competition Room 5
Session Chair and Judge:
Nur Aini Masruroh, ST., M.Sc., Ph.D,
Dr. Mehran Doulat Center for Quality and Sustainability, School of Engineering and Advanced Technology, UTM Kuala Lumpur, Malaysia
Professor Dr. Izman Bin Sudin, Universiti Teknologi Malaysia

Doctoral Dissertation Competition
ID 3 Development and Validation of a Production Planning Model for Throughput Shortage Recovery Through Process Parameter Adjustment in Manufacturing Industry
Ho Kok Hoe, Senior Lecturer, Robotics and Mechatronics Discipline, School of Engineering, Monash University Malaysia, Subang Jaya, Selangor, Malaysia

ID 33 Implementation of Agile Manufacturing in the Shipbuilding Industry: Challenge and Recommendation
Sutrisno and Mokh Suef, Interdisciplinary School of Management and Technology, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia
Buana Ma'raf, Research Center for Hydrodynamics Technology, The National Research and Innovation Agency (BRIN), Indonesia

ID 515 Informality and technical efficiency in Morocco: lessons from Stochastic Frontier Analysis
Mounir El Kadiri, PhD, Faculty of Economics and Management, Ibn Tofail University, Kenitra, Morocco
Mounia Cherkaoui, Professor, Faculty of Economics and Management, Ibn Tofail University, Kenitra, Morocco

ID 576 Lean Supply Chain Operational Model Applied to Halal Education Industry
Wresni Anggraini, Student at Doctoral Program of Islamic Economy and Halal Industry, Gadjah Mada University, Indonesia
Rika Fatimah P.L, Faculty of Economics and Business Gadjah Mada University, Indonesia
Fitra Lestari Noorhiza, Industrial Engineering Department, UIN Sultan Syarif Kasim Riau, Indonesia

2:00 – 3:45 pm, TUESDAY TQM Room 6
Session Chair: Mutiara Indriani, Lecturer & Researcher, Binus University, Jakarta, Indonesia

ID 476 Adapting Blockchain in Higher Education Data Management
S. Divya, VIT Business School, Vellore Institute of Technology Chennai, Tamil Nadu, India

ID 235 China's Influence & The Deployment of 5G Development in ASEAN
Farisa Nabila Meutia, Undergraduate Student, Binus University, Jakarta, Indonesia
Mutiara Indriani, Lecturer & Researcher, Binus University, Jakarta, Indonesia

ID 236 Analysis of The Impact of Inconsistency 5S Implementation Inconsistency in Japanese Companies in Indonesia; Case Study At PT Indonesia Toray Synthetics
Lola Nahta, Japanese Department, Faculty of Humanities, Bina Nusantara University, West Jakarta, DKI Jakarta, Indonesia
Elisa Carolina Marion, Japanese Department, Faculty of Humanities, Bina Nusantara University, West Jakarta, DKI Jakarta, Indonesia

ID 39 Comparison of Three Excellence Models (DP, MBNQA, EFQM) in The Indonesian Context: Literature Study
Merita Bernik, Lucia Diawati, and Dradjad Irianto, Department of Industrial Engineering, Faculty of Industrial Technology, Institut Teknologi Bandung (ITB), Bandung, West Java, Indonesia

ID 345 Systematic Literature Review: Aspects of Leadership in Total Quality Management Implementation
Galih Cipta Sumadireja, Industrial Engineering Department, Universitas Indonesia, Depok, Indonesia
ID 49  Staff Competence Model in Implementation of Quality Management 4.0 at Telecommunications Industry: Literature Review
Arissa Dwi Pangestu, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Surakarta, Indonesia
Retro Wulan Damayanti, Industrial Engineering Study Program, Faculty of Engineering, Center of Technology Development and Industrial Collaboration, Institute for Research and Community Service, Universitas Sebelas Maret, Surakarta, Indonesia
Fakhrina Fahma, Industrial Engineering Study Program, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

ID 267  Systematic Literature Review: Identification of Service Attributes Servqual that Affect Customer Satisfaction in Distribution Companies
Masda Megawati Marpaung, Postgraduate Student of Magister Management Program, Faculty of Business and Economic, Universitas Mercu Buana, Jakarta, Indonesia
Lien Herliani Kusumah, Senior Lecturer in Magister of Industrial Engineering Program, Faculty of Engineering, Universitas Mercu Buana, Jakarta, Indonesia

ID 268  Systematic Literature Review: Literature Review of Free Float Value and Its Implications Towards Issuers’ Obligations in Capital Market
Agus Riyanto, Lecturer, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia
Rahma Christabel Abilah, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia
Abdul Rasyid, Lecturer, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 254  Performance of E-Service Quality at Mutual Fund Portal in Indonesia
Dewi Tamara, Executive Strategic in Management, Binus Business School, Binus University, Indonesia
Pantri Heriyati, Doctoral Research Program, Binus Business School, Binus University, Indonesia
Anita Maharani, Blended Learning Program, Binus Business School, Binus University, Indonesia

ID 285  Share Ownership Structure and Its Implication towards Directors Independence in Conflict of Interest Transaction in Indonesia and Australia
Agus Riyanto, Lecturer, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia
Miranda Carolina, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia
Abdul Rasyid, Lecturer, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 752  Social Return on Investment Analysis of Corporate Social Responsibility Project in Disadvantage Region in Indonesia: PT Pertamina Lubricants on Establishing Entrepreneurship Program in East Nusa Tenggara
Fendy E. Wahyudi, Lecturer, Dept. of International Relations, Faculty of Social and Political Sciences, Universiti Diponegoro, Semarang, Indonesia
Alvin Ferian Erlangga, Bachelor of International Relations, Faculty of Social & Political Sciences, Universitas Diponegoro, Semarang, Indonesia

ID 47  Survival Analysis on the Attrition of Engineering Undergraduates at Adamson University During the COVID-19 Pandemic
Atienza, Krista Angelica Z., Nolasco, Manefei P., Quevedo, Venusmar C. and Laisan, Lourdes P., Industrial Engineering Department, College of Engineering, Adamson University, Manila, Philippines

ID 75  Systematic Literature Review: Comparison Analysis of Online and Offline Shopping
Haryadi Sarjono, Mulyono, Rafli Putra Aldieka, Ricky Septian, Stevando Magara and Bagus Angggoro, BINUS Business School Undergraduate, Bina Nusantara University, Management Department, Jakarta Barat, Indonesia

ID 104  Systematic Literature Review: Employee Empowerment in Indonesia’s Hotel Industry

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**September 13 (TUESDAY) - Session: 4:00 – 5:45 pm**

**Room 1**

Panel Chair
Dwi Agustina Kurniawati, M.Eng., Ph.D.
Associate Professor
Industrial Engineering Department
Former Head of Industrial Engineering Department
Head of Faculty Quality System Controller
Faculty of Science and Technology
UIN Sunan Kalijaga, Indonesia

Panel Co-Chair
Dr. Azanizawati Ma’aram
Associate Professor
School of Mechanical Engineering
Faculty of Engineering
Universiti Teknologi Malaysia (UTM)
IEOM Malaysia Conference  PARALLEL SESSIONS  September 13-15, 2022

Johor, Malaysia

Panel Speaker I

Prof. Irwandi Jaswir
Research Coordinator at the Halal Industry Research Center
International Islamic University Malaysia (IIUM)
Kuala Lumpur, Malaysia

Panel Speaker II

Prof. Dr. Ir. Yandra Arkeman, M. Eng
Professor of Agricultural Industrial Technology
IPB University
Bogor, Indonesia

Panel Speaker III

Prof. Suhaiza Zailani
Professor of Supply Chain and Logistics, Faculty of Business and Accountancy
University of Malaya
Kuala Lumpur, Malaysia

4:00 – 5:45 pm, TUESDAY  Global Engineering Education II  Room 2

Session Chair:

4:00 pm - 4:20 pm (Tuesday, September 13)
Dr. Naniek Utami Handayani, S.Si, MT
Department of Industrial Engineering
Universitas Diponegoro
Semarang, Indonesia

4:20 pm - 4:40 pm (Tuesday, September 13)
Prof. Dr. Reynato Andal Gamboa
Dean College of Engineering
Architecture and Fine Arts Batangas State University Alangilan
Batangas City
Philippines

4:40 pm - 5:00 pm (Tuesday, September 13)
Assoc Prof Dr. Aznah Nor Anuar
Associate Research Fellow of Centre for Engineering and an academic staff for Malaysia-Japan International Institute of Malaysia

5:00 pm - 5:20 pm (Tuesday, September 13)
Assoc. Prof. Ts. Dr. Habibah @ Norehan Haron
Associate Professor
Razak Faculty of Technology and Informatics
Universiti Teknologi Malaysia
Kuala Lumpur, Malaysia

5:20 pm - 5:40 pm (Tuesday, September 13)
Dr. Nurzal Effiyana Ghazali
Deputy Director
Center for Engineering Education
University Teknologi Malaysia
Johor, Malaysia

4:00 – 5:45 pm, TUESDAY  Undergraduate Student Paper Competition  Room 3

Session Chair and Judge:

Dr. Ir. Ts. Nor Hasrul Akhmal Bin Ngadiman, Universiti Teknologi Malaysia
Dr. Mohd Faridh B. Ahmad Zaharuddin, Universiti Teknologi Malaysia
Eko Setiawan, ST., MT., Ph.D, Head of Industrial Engineering Study Programme, Universitas Muhammadiyah Surakarta, Indonesia
Dr.Ratna Purwaningsih, ST., MT., Head of Industrial Engineering Department, Universitas Diponegoro, Semarang, Indonesia

ID 208  Backpropagation Neural Network and Exponential Moving Average Methods for Predicting Currency Exchange Prices on Foreign Exchange
ID 329  Broiler Chicken Weight Estimation Model Design Using Image Processing Approach  
Jordan Electra, Praditya Ajidarma and Mohammad M. Isnaian, Faculty of Industrial Technology, Engineering Management Department, Bandung Institute of Technology. Jl. Ganesa No. 10, Bandung, West Java, Indonesia

ID 213  Classification System for the Level of Spread Covid-19 Cases in Bandung Regency Using the Algorithm Method Naive Bayes  
Elsa Dwiyanti, Wina Witanti and Gunawan Abdillah, Department of Informatics, Universitas Jenderal Achmad Yani; West Java, Cimahi, Indonesia

ID 408  Comparative Regulation of Crypto Exchange In Indonesia And Singapore  
Ibrahim Al Ajib, Senior Student, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia  
Bambang Pratama, Lecturer, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 385  Criminal Liability for Perpetrators of Animal Cruelty in Indonesia and Malaysia  
Muhammad Hafizh Ghifari, Undergraduate Student, Business Law Department, Business Law Program, Law Department, Bina Nusantara University Jakarta, Indonesia  
Ahmad Sofian, Lecturer, Business Law Department, Faculties of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 641  Design Improvement Strategy of Operational Performance Loading Unloading Containers Using SWOT and ANP Methods  
Danish Vita Salsabila, Yugowati Praharsi, and Renanda Nia Rachmadita, Business Management, Shipbuilding Institute of Polytechnic Surabaya, Indonesia

ID 664  Design of a Hand-worn Technology Converting Braille into Speech  
Justin Terrence Talabong, Hennison Co, John Elixander Tovera and Alouisse Ver Valentino, School of Mechanical and Manufacturing Engineering, Mapúa University, Intramuros, Manila, Philippines  
Madylaine G. Delfin, School of Industrial Engineering and Engineering Management, Mapúa University, Intramuros, Manila, Philippines

4:00 – 5:45 pm, TUESDAY  
Graduate Student Paper Competition  
Room 4

ID 624  A Pilot Study on the Linkage between Peace and Performance (2P) Among ICT employees in Malaysia  
Deveendra Menon, UTAR Malaysia  
Au Yong Hul Nee, UTAR Malaysia  
Aamir Amin, UTAR Malaysia

ID 676  A Scientometric Analysis: Big Picture of Innovation Process in Merger & Acquisition  
Kirana Rukmayuninda Ririh, Ph.D. Student, Department of Agro-Industrial Engineering, IPB University, Bogor, West Java, Indonesia  
Elisa Anggraeni, Senior Lecturer, Department of Agro-Industrial Engineering, IPB University, Bogor, West Java, Indonesia  
Machfud, Professor, Department of Agro-Industrial Engineering, IPB University, Bogor, West Java, Indonesia  
Nurul Taufiqu Rochman, Professor, Research Center of Metallurgical & Materials, National Research and Innovation Agency, Tangerang, Banten, Indonesia

ID 729  Analyzing Factors Affecting Continuance Intention to Use E-wallet During Covid-19 Pandemic in Indonesia  
Kenji Nakanishi, Ong Jordi and Andrew Wijaya, Fast Track Program, Management Departement, BINUS Business School Master Program  
Bina Nusantara University, Jakarta, Indonesia  
Dewi Tamara, Executive in Strategic Management Program, Management Departement, BINUS Business School Master Program, Bina Nusantara University, Jakarta, Indonesia

Usman Musa, and Wan Zahiwan Yusoff, Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia, Batu Pahat, Johor, Malaysia

ID 528  Deal or No Deal: Assessing Filipinos’ Purchasing Decisions and Their Factors Toward Green-packaged Products  
Michael Andrew O. Yagin, Klint Allen A. Mariñas, Michael N. Young, and Yogi Tri Prasetyo, School of Industrial Engineering and Engineering Management, Mapúa University, Manila, Philippines  
Klint Allen A. Mariñas and Yung-Tsan Jou, Department of Industrial and Systems Engineering, Chung Yuan Christian University, Taoyuan City, Taiwan  
Satria Fadil Persada, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

ID 240  Evaluation of Financial Performance and Business Strategy at the Ministry of Religion Employee Cooperative  
Ilham Nurhaqien Widiantoro, Master Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Indonesia  
Wahyudi Sutopo, University Centre of Excellence for Electrical Energy Storage Technology, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia  
Renny Rochani, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering Universitas Sebelas Maret, Surakarta, Indonesia  
Ilham Nurhaqien Widiantoro, Master Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Indonesia
ID 453  Fatty Acid Methyl Ester (FAME) from Waste Cooking Oil (WCO) as Viscosity Modifier
Nihel Dashreth  K. Rajan  Universiti Teknologi PETRONAS  Malaysia

4:00 – 5:45 pm, TUESDAY  HF + Simulation Competitions  Room 5

Session Chair and Judges:
Nurhadi Siswanto, S.T., MSIE., Ph.D, Institut Teknologi Sepuluh November (ITS), Surabaya, Indonesia
Dr. Rohaizan Ramlan, Universiti Tun Hussein Onn Malaysia
Professor Dr. Wong Kuan Yew, Universiti Teknologi Malaysia

Simulation Competition

ID 559  How to Calculate the Expected Return on Real Estate Stocks
Dicky Hida Syahchari, Management Department, Binus Business School, Bina Nusantara University, Jakarta, Indonesia

ID 205  Numerical Investigation on Simultaneous Injection of Water and Polymer (SIWAP) for Enhanced Oil Recovery in Carbonate Reservoir
Aisyah binti Mohamed Arshad and Nabilla Afzan Abdul Aziz, Petroleum Engineering Department, Universiti Teknologi PETRONAS, Seri Iskandar, Perak, Malaysia

ID 41  Redesigning the Facility Layout with Systematic Layout Planning Method and Promodel Simulation on Spring beds Production Line at P.T. Alpha Jaya Manunggal Mandiri
Geraldo Rafael and Christyfianie Elva Angelica and Yovita Ng, Students in Industrial Engineering Department, Faculty of Engineering, Tarumanagara University, Jakarta, Indonesia
Lina Gozali, Faculty of Industrial Engineering Department, Tarumanagara University, Jakarta, Indonesia
Ahad Ali, A. Leon Linton Department of Mechanical, Robotics and Industrial Engineering, Lawrence Technological University, MI, USA

ID 561  Using the Monte Carlo Method to Determine Value at Risk in Hotel Stocks
Dicky Hida Syahchari, Management Department, Binus Business School, Bina Nusantara University, Jakarta, Indonesia

Human Factors and Ergonomics Competition

ID 712  Drowsiness on Industrial Logistics Driver in the Morning and Afternoon Trip
Lovely Lady, Yusraini Muharni and Ani Umyati, Industrial Engineering Department, University of Sultan Ageng Tirtayasa, Cilegon - Indonesia

ID 263  Improving Ergonomics to Sustain Improved Operations for Visually Impaired at The Jhb Society of The Blind
Dr T. Tshabalala, Department of quality and operations management, University of Johannesburg, South Africa

ID 296  Increasing Productivity at the 970 Geprek Chicken Business Through Ergonomics Intervention and Designing of Work Aids at Workstations
Geraldo Rafael, Christyfianie Elva Angelica, Natasia Aurelia, Lina Gozali, and Adianto, Industrial Engineering Department, Faculty of Engineering, Tarumanagara University, Jakarta, Indonesia
Ahad Ali, A. Leon Linton Department of Mechanical, Robotics and Industrial Engineering, Lawrence Technological University, Southfield, MI, USA

ID 702  Interplay Model of Technostress, Physical Discomfort, and Productivity among Teaching and Non-Teaching Employees of MSEUF: A Structural Equation Modeling Approach
Dr. James Louie R. Meneses, Dr. Maria Sylvia Avila and Van Barry Par, College of Engineering, Human Resource Department, Safety Office Manuel S. Enverga University Foundation, Lucena City, Quezon, Philippines

ID 163  Lean Maintenance Implementation to Analyze Overlock Machine Maintenance at Garment Company
Hadi Wilianto and Lina Gozali, Adianto, Industrial Engineering Department, Faculty of Engineering, Tarumanagara University, Jakarta, Indonesia

4:00 – 5:45 pm, TUESDAY  SCM  Room 6

Session Chair: Muhammad Hisjam, Department of Industrial Engineering, Head of Logistics and Business System Laboratory, Faculty of Engineering, Universitas Sebelas Maret

ID 421  Strategy to Achieve Soybean Price Stability: System Dynamics Approach (Study in Central Java Province, Indonesia)
Isna Nugraha, Industrial Engineering Department, Faculty of Engineering, Universitas Pemangunan Nasional Veteran Jawa Timur, Surabaya Indonesia
Bekti Nugrahadi, Industrial Engineering Department, Faculty of Science, Technology, and Health, Universitas Sahid Surakarta, Surakarta, Indonesia
Wahyudi Sutopo, University Centre of Excellence for Electrical Energy Storage Technology, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
Muhammad Hisjam, Department of Industrial Engineering, Head of Logistics and Business System Laboratory, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

ID 626  Supplier Performance Analysis in Food Industry: A Data Envelopment Analysis and Statistical Approach
Muhammad Asrol and Sofyan Wahyudi, Industrial Engineering Department, BINUS Graduate Program, Master of Industrial Engineering, Bina Nusantara University, Jakarta, Indonesia,

Dwi Agustina Kurniawati, Yandra Rahadian Perdanaa, Herninanjati Paramawardhania, and Titi Saria, Industrial Engineering Department, Faculty of Science and Engineering, Universitas Islam Negeri Sunan Kalijaga, Yogyakarta, Indonesia
Amalia Azka Rahmayanib, Library and Information Science, Faculty of Adab and Cultural Science, Universitas Islam Negeri Sunan Kalijaga, Yogyakarta, Indonesia
ID 413  Systematic Literature Review: Implementation of Green Supply Chain Management in Manufacture Industry
Sambudi Hamali and Christian Michael, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Palmerah, Jakarta, Indonesia

ID 395  The Blockchain Technology Architectures to Improve the Value Creation of Crop Agriculture Supply Chain in Indonesia: A Literature-Based Overview
Umni Luftiyah and Annie Purwani, Department of Industrial Engineering, Faculty of Industrial Technology, Universitas Ahmad Dahlan, Yogyakarta, Indonesia

ID 419  Unsold inventory management and off-price retailers’ selection for multiple items
Rihab MECHMECH, National Engineering School of Tunis-OASIS Laboratory, University of Tunis El Manar, Tunisia
Slim HARBI, National Engineering School of Tunis-OASIS Laboratory, University of Tunis El Manar, Tunisia
And National Engineering School of Cartilage, University of Cartilage
Atidel B. HADJ-ALOUANE, Engineering and Engineering Management Department, College of Engineering, University of Sharjah, United Arab Emirates and OASIS Laboratory – ENIT, University of Tunis El Manar, Tunis, Tunisia
Sami SBOUI, SQLI Services, Manouba, Tunisia

ID 297  Use of Artificial Intelligence Techniques in Supply Chain Risk Management
MURAT KARABULUT  INONU UNIVERSITY  Turkey

4:00 – 6:45 pm, TUESDAY  Business Management  Room 7
Session Chair: Michael Aaron Tuori, Senior Lecturer, International Business Management Department, BINUS Business School Undergraduate Program Bina Nusantara University, Jakarta, Indonesia

ID 389  Investigating the Influence of Indonesian and New Zealand Cultures on Leadership Styles and Performance of Indonesian Food and Beverage Businesses in New Zealand
Ginta Jasmine Harahap and Nurianna Thoha, International Business Program, Management Department, BINUS Business School International Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia.

ID 118  Is the Mastery of Work Enough? A View of Public Service Sectors in Greater Jakarta
Maria Grace Herlina and Dicky Hida Syahchari, Senior Lecturer, Management Department, BINUS Business School Undergraduate Program Bina Nusantara University, Jakarta, Indonesia
Michael Aaron Tuori, Senior Lecturer, International Business Management Department, BINUS Business School Undergraduate Program Bina Nusantara University, Jakarta, Indonesia

ID 204  Is Turnover Relationship to Performance Linear or U-Inverted? A Systematic Literature Review
Diena Dwidienawati, Lecturer, Management Program, BINUS Business School, Bina Nusantara University, Jakarta, Indonesia
Munawaroh Zainal, Lecturer, Business and Management, Faculty of Business and Communication, Swiss German University, Tangerang, Banten, Indonesia
Dyah Gandasari, Lecturer, Polbangtan Bogor, Bogor, Indonesia

ID 347  Legal Protection and Fulfillment of the Rights of Persons with Visual Impairments in Banking Services in Indonesia
Hidayatullah Harye and Abdul Rasyid, Business Law Program, Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 346  Legal Protection for Sharia Capital Market Retail Investor
Herdiomas Kurnia and Abdul Rasyid, Business Law Program, Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 494  Climate Crisis: Mediating Factors of Environmental Attitude towards Green Purchasing Behavior in Jakarta
Lim Sanny and Lingga Chairudin, Management Department, Binus Business School Master Program, Bina Nusantara University, Jakarta, Indonesia

ID 210  Mapping the Business Model Canvas as a Basis for Creating New Value for Eco-print Craft in the Fashion Industry
Chyntia Ika Ratnapuri, Dian Kurnianingrum, Nur Azmi Karim, and Okky Rizkia Yustian, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

ID 783  Factors Influencing Consumer Online Shopping Behavior During National Online Shopping Day: Perspective of Indonesian Generation Z
Tri Seleksia Asih and Nurafni Rubiyanti, School of Communication and Business, Telkom University, Bandung, 40257, Indonesia

September 13 (TUESDAY) - Session: 6:00 – 7:45 pm

6:00 – 7:45 pm, TUESDAY  WIIA Panel  Room 1
Women in Industry and Academia (WIIA) Panel

Panel Chair

Dr. Ir. Lina Gozali
Lecturer
Department of Industrial Engineering
Tarumanagara University
Jakarta, Indonesia
Panel Co-Chair

Ts. Dr. Aini Zuhra Abdul Kadir
Associate Professor
School of Mechanical Engineering (SME)
Faculty of Engineering
Universiti Teknologi Malaysia (UTM)
Johor Bahru, Johor, Malaysia

Panel Speaker I

Assoc. Prof. Ir. Dr. Hayati Abdullah
School of Mechanical Engineering
Universiti Teknologi Malaysia

Panel Speaker II

Assoc. Prof. Dr. Rabeatul Husna
Faculty of Social Science and Humanities
Universiti Teknologi Malaysia

Panel Speaker III

Assoc. Prof. Ir. Dr. Bertha Maya Sopha
Department of Mechanical and Industrial Engineering
Universitas Gadjah Mada
Yogyakarta, Indonesia

Panel Speaker IV

Nashtiti Aliafari
Widya Edutech
Sleman, Yogyakarta

Panel Speaker V

Kate Sumantri, ST., MBF
UniSuper, Operations Division
Melbourne, Australia

6:00 – 7:45 pm, TUESDAY    Global Engineering Education III    Room 2

Session Chair: Dr. Naniek Utami Handayani, S.Si, MT, Department of Industrial Engineering, Universitas Diponegoro, Semarang, Indonesia

6:00 pm - 6:20 pm (Tuesday, September 13)

Dr. Dra. Amelia Santoso M.T.
Head of Master Program in Industrial Engineering
Universitas Surabaya
Surabaya, Indonesia

6:20 pm - 6:40 pm (Tuesday, September 13)

Ir Ts Dr Zulhasni bin Abdul Rahim
National TRIZ Innovation Expert
Malaysia-Japan International Institute of Technology (MJIT)
Universiti Teknologi Malaysia (UTM)
Johor, Malaysia

6:40 pm - 7:00 pm (Tuesday, September 13)

Assoc Prof Dr Indah Widiastuti
Faculty of Education &Teacher Training
Universitas Sebelas Maret
Surakarta, Indonesia

7:00 pm - 7:20 pm (Tuesday, September 13)

Dr. Atya Nur Aisha, S.T., M.T
Jabatan Teknik Industri, Fakultas Teknik
Telkom University
Bandung, 40257 Indonesia

7:20 pm - 7:40 pm (Tuesday, September 13)
6:00 – 7:45 pm, TUESDAY  
Undergraduate Student Paper Competition  
Room 3

Session Chair and Judge:
Dr. Ir. Ts. Nor Hasnul Akmal Bin Ngadiman, Universiti Teknologi Malaysia  
Dr. Mohd Faridh B. Ahmad Zaranuddin, Universiti Teknologi Malaysia  
Eko Setiawan, ST, MT, Ph.D, Head of Industrial Engineering Study Programme, Universitas Muhammadiyah Surakarta, Indonesia  
Dr. Ratna Purwaningsih, ST., MT., Head of Industrial Engineering Department, Universitas Diponegoro, Semarang, Indonesia

ID 45  Development of Factorial Validation for Emotional Intelligence Competency Scale as Skills for Employment of Technical Education in Northern Nigeria  
Ibrahim Hanuna Bako And Yusmarti Binti Yusof, Faculty of Technical and Vocational Education, University Tun Hussein Onn Malaysia

ID 705 Development of Special Dowel Pin Puller for Dowel Pin Sink in The Flat Surface  
Muhammad Ariff Helmy Bin Amir Hamzah, Engineering Student, School of Mechanical Engineering, Faculty Engineering, Universiti Teknologi Malaysia, Skudai, Johor, Malaysia  
Muhd Ikmal Isyraf Bin Mohd Maulana, Senior Lecturer, School of Mechanical Engineering, Faculty of Engineering, Universiti Teknologi Malaysia Skudai, Johor, Malaysia

ID 564 Digital transformation model to reduce release time of goods through the blockchain technology in a customs air: A empirical research in Perú  
Alyssa Christina Saenz-Ore and Anthony Miller Torres-Quique, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú  
Juan Carlos Quiroz-Flores, Research Professor, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú

ID 423 Dysergonomic Risk Management Model to improve welding productivity using the Nordic Questionnaire and the REBA and NIOSH methods: Case of the metal-mechanic sector in Lima, Perú  
Andrea Lara-Lezcano and Sebastian Pizarro-Vásquez, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú  
Carlos-Augusto Lizárraga-Portugal and Juan Carlos Quiroz-Flores, Research Professors, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú

ID 660 Effect of Auditee Characteristics, Audit Committee Effectiveness, and Bankruptcy Probability on Audit Delay (Study on Companies Engaged in the Multi-Industrial Sector Listed on the IDX in 2018-2021)  
Wahdan Arum Inawati, Faculty of Economics and Business, Lecturer of Accounting, Telkom University, Bandung, Indonesia  
Furqan Ramadhan Jazzadi, Faculty of Economics and Business, Accounting Student, Telkom University, Bandung, Indonesia

ID 690 Effect of Fixed Asset Invensity, Institutional Ownership, and Audit Committee on Tax Avoidance (Study on Manufacturing Companies Listed on the Indonesia Stock Exchange (IDX) Period of 2016-2020)  
Ardan Gani Asalam, Faculty of Economic and Business, Lecturer of Accounting, Telkom University, Bandung, Indonesia  
Dwi Murti Kusumaningtyas, Faculty of Economics and Business, Accounting Student, Telkom University, Bandung, Indonesia

ID 570 Factors that contribute to the development and labor integration of people with disabilities (PwD) in industrial SMEs in Perú  
Sandra Peña-Jara, Student, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú  
Carlos-Augusto Lizárraga-Portugal and Juan Carlos Quiroz-Flores, Professor Researchs, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú

6:00 – 7:45 pm, TUESDAY  
Graduate Student Paper Competition  
Room 4

Session Chair and Judge:
Dr. Eng. Desto Jumeno, ST, MT Head of Master Program in Industrial Engineering, Universitas Andalas, Padang, Indonesia  
Dr. Mohd Firdaus Bin Mohd Taib, Universiti Teknologi Malaysia

ID 238 Financial Performance Analysis and Business Strategy using Profitability Ratio Analysis: A Case Study  
Almira Zana Pratama, Master Program of Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Indonesia  
Wahyudi Sutopo, University Centre of Excellence for Electrical Energy Storage Technology, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia  
Renny Rochani, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

ID 237 Financial Performance Analysis Using He Du Pont System Method in a FMCG Company  
Andrian Listyo Kawuri, Master Program of Industrial Engineering, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
ID 637 Lean Six-Sigma Implementation in the Endorsement Procedure of the Request for Authority to Purchase Government Motor Vehicles for the Priority Programs of the Department of Agriculture (DA) and its Regional Field Offices (RFOs)
Alexander Nicole L. Tan, Klint Allen A. Mariñas, Michael N. Young, and Yogi Tri Prasetyo, School of Industrial Engineering and Engineering Management, Mapúa University, Manila, Philippines
Klint Allen A. Mariñas and Yung-Tsan Jou, Department of Industrial and Systems Engineering, Chung Yuan Christian University, Taoyuan City, Taiwan
Satria Fadil Persada, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

ID 239 Performance Analysis and Business Strategy using Economic Value Added (EVA) Method: A Case Study
Dessy Srikandi, Master Program of Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
Wahyudi Sutopo, University Centre of Excellence for Electrical Energy Storage Technology, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
Renata do Carmo Gonçalves, Student of Engineering and Information Systems Management, University of Minho, Guimarães, Portugal

ID 87 Spotted Hyena Optimizer Algorithm for Travelling Salesman Problem
Prayoga Yudha Pamungkas and Nur Mayke Eka Normasari, Department of Mechanical and Industrial Engineering, Faculty of Engineering Universitas Gadjah Mada, Yogyakarta, Indonesia

ID 529 The Financial Analysis of Grid-Tied Solar Photovoltaic System Adoption for Residential Building XYZ
Rombert Brian B. Malate, Klint Allen A. Mariñas, Michael N. Young, and Yogi Tri Prasetyo, School of Industrial Engineering and Engineering Management, Mapúa University, Intramuros, Manila, Philippines
Klint Allen A. Mariñas and Yung-Tsan Jou, Department of Industrial and Systems Engineering, Chung Yuan Christian University, Taoyuan City, Taiwan
Satria Fadil Persada, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

ID 708 Trend and Direction of Circular Economy Research in Indonesia
Muhammad Habiburrahman and Rahmat Nurcahyo, Department of Industrial Engineering, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia
Hotmata Daulay, National Research and Innovation Agency, Jakarta, Indonesia

6:00 – 7:45 pm, TUESDAY  Data Analytics  Room 5

Session Chair: Dr. Mary Jane C. Samonte, School of Information Technology, Mapua University, Manila, Philippines

ID 190 A cloud data lakehouse-based AI diagnostic solution for small and medium-sized health facilities
Ruichen Li  Amity Global Institute

ID 6 Analysis of The Influence of Junk Food and Lifestyle on The Health of Bina Nusantara University Student Using Regression Analysis
Glenn Louis, Laurensia Sheila Alvianjie, Nabila Azima Marsa, Yoga Virya Arya Anandha, and Margaretha Ohyver, Statistics Department, School of Computer Science, Bina Nusantara University, Jakarta, Indonesia

ID 487 Benchmark of Cloud Data Warehouse Technologies Existing in the Current Market
Renata do Carmo Gonçalves, Student of Engineering and Information Systems Management, University of Minho, Guimarães, Portugal
Jorge Oliveira e Sá, Professor at the Department of Information Systems, University of Minho, Guimarães, Portugal

ID 199 Car Creditworthiness Classification Using Naïve Bayes and Credit Scoring
Farhan Arq Fauzan Adiwirya, Yulison H. Chrisnanto, Ade Kania Ningsih and Faiza Renaldi, Department of Informatics, Science and Informatics Faculty, Universitas Jenderal Achmad Yani, West Java, Cimahi, Indonesia

ID 215 Chatbot in The Selection of Outpatient Ward In Hospital Using C4.5 Algorithm
Fandi Adi Prasetyo, Faiza Renaldi, S.T., M. Sc, Fajri Rakhmat Umbara, S.T., M.T, Department of Informatics, Universitas Jenderal Achmad Yani, West Java, Cimahi, Indonesia

ID 366 Exploratory Data Analysis on YouTube Trending Video Data and its Inclusion in the Trending Page
Dr. Mary Jane C. Samonte, School of Information Technology, School Faculty, Mapua University, Manila, Philippines
Jeric Ryan R. De Josef and Karl Samuel D. San Juan, School of Information Technology, Mapua University, Manila, Philippines

ID 244 Factors Affecting Credit Card Users' Potential in Maintaining Good Credit Standing
Dr. Mary Jane C. Samonte, School of Information Technology, Mapua University, Manila, Philippines
Wena E. Bascones and Karl Samuel D. San Juan, School of Information Technology, Mapua University, Manila, Philippines

ID 270 Model for data-training judge's decisions in corruption cases in Indonesia
Yi Ying  BINUS University

ID 200 Sentiment Analysis Of E-Wallets on Twitter Social Media with Naïve Bayes And Lexicon-Based Methods
Ananda Dimas Sanjaya, Tacbrib Hendro Pudjiantoro, Ade Kania Ningsih and Faiza Renaldi, Department of Informatics, Science and Informatics Faculty, Universitas Jenderal Achmad Yani, West Java, Cimahi, Indonesia
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<td>ID 195</td>
<td>Stock Price Volatility Behavior in Indonesia Stock Exchange</td>
<td>Mohamad Rafki Nazar, Telkom University, School of Economic and Business, Department of Accounting, Bandung, Indonesia</td>
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<td>ID 730</td>
<td>Impact of Work Environment and Job Characteristics on Turnover Intention with Employee Engagement As Intervening Variables On The Talent Of The Millennials Generation In Indonesia</td>
<td>M. Sulthan Suryo Adfa and Dian Indiyati, Department of Magister Management, Faculty of Economics and Business, Telkom University Bandung, Indonesia</td>
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<td>ID 276</td>
<td>Implementation of Risk Management in South African Manufacturing Firms</td>
<td>Esinalo Monakali, Bheki B.S Makhanya and Hannelie Nel, Postgraduate School of Engineering Management, University of Johannesburg, Johannesburg, South Africa</td>
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<td>ID 171</td>
<td>Implementation of The Decision Tree Method in The Textile Industry: A Systematic Literature Review</td>
<td>Haryadi Setiaringrum, Sekolah Tingi Ilmu Ekonomi, Binas Indonesia, Management, South Sukabumi, West Jakarta, Indonesia</td>
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<td>Indonesian Millennal Generations’ Financial Literacy in Relation to its Behavior in Investment Decision</td>
<td>Dewi Tamara, Silvia Suhardiman, Sherly Swissa Rustam and Basuki Kurniawan, Master Program, Bina Nusantara University, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Innovation management theory: Current trends and implementation</td>
<td>Johan Arifin, Student of Doctor Research in Management, BINUS Business School, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>ID 206</td>
<td>Internet Financial Reporting: In the case of district and city governments in Central Java Province, Indonesia</td>
<td>Sri Rahayu and Farida Wahyu Nur Khasanah, School of Economics and Business, Faculty of Economics and Business, Telkom University Bandung, West Java, Indonesia</td>
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<td>ID 192</td>
<td>Investigating the Impact of Leadership Styles on Employee Loyalty and Turnover Intention at PT Bank XYZ, Indonesia</td>
<td>Edward Gunawan and Nurianna Thoha, International Business Program, Management Department, BINUS Business School International Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>ID 777</td>
<td>Capital Structure and Financial Performance of Banks in Indonesia</td>
<td>Nathania Lucky, Patrick Wisely, Erwin Renehan Andjana and Miranda Tanjung, Bina Nusantara University, Faculty of Magister Management, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>ID 588</td>
<td>Art History towards Digital Acculturation in a Non-Fungible Token (NFT) Art</td>
<td>Yusaira Farhia, New Media Program, Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>ID 113</td>
<td>Entrepreneurial marketing in digital industry</td>
<td>Agung Joni Saputra, Universal University</td>
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<td>Industrial Revolution 4.0: Innovation of Mandarin Language Students Learning Outcomes</td>
<td>Mei Rianto Chandra, Yi Ying, Kelly Rosalin, Jureynolds and Theresia, Chinese Department, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>ID 290</td>
<td>Industry 4.0 And Last Mile Logistics, New Challenges and Approaches: A Bibliometric Review</td>
<td>Diego Jair Jacay-Aldui and Gerson Paulo Candela-Pomé, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú, Martin Fidel Colio-Díaz and Juan Carlos Quiroz-Flores, Research Professors, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú</td>
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<td>ID 67</td>
<td>Industry 4.0 Practices of Turkish Companies: A Qualitative Research</td>
<td>Kerem Elibal, Production and Planning Manager, BCS Metal Co., Gaziantep, Turkey</td>
<td>Industry 4.0</td>
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<td>ID 72</td>
<td>Predictive Maintenance in Bearing Production based on Machine Condition and Product Quality Data using Machine Learning Approach</td>
<td>Toto Suharto, Postgraduate, Industrial Engineering and Management Doctoral Program, Industrial Engineering Department, Faculty of Industrial Technology, Bandung Institute of Technology, Bandung, Indonesia</td>
<td>Industry 4.0</td>
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<td>ID 222</td>
<td>The Impact of Online Learning on Student Engagement in English Language Learning</td>
<td>Zulida binti Abdul Kadir, Assoc. Prof., Centre for Language Studies, Universiti Tun Hussein Onn Malaysia, Johor, Malaysia</td>
<td>Industry 4.0</td>
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# September 14 (WEDNESDAY)

## 8:00 – 9:45 am, WEDNESDAY  
**Room 1**

**Operations Research**  
Session Chair: Nagesparan Ainarappan, Faculty of Engineering, Technology & Built Environment, UCSI University Kuala Lumpur, Malaysia

| ID 518 | A Comparison of Ant Colony Optimization and Depth First Search for Solving Unmanned Aerial Vehicle – Ground Vehicle Routing Problem in Humanitarian Logistics  
Alfredo Arysena and Bertha Maya Sopha, Department of Mechanical and Industrial Engineering, Faculty of Engineering, Universitas Gadjah Mada Yogyakarta, Indonesia |

| ID 46 | A Mathematical Modelling Approach for a Sustainable Closed Loop Supply Chain Network Design  
Nusrat Tarin Chowdhury, Assistant Professor, School of Technology, Art, and Design, College of Arts, Education, and Humanities, Bemidji State University, Bemidji, MN, USA |

| ID 55 | A Resource Allocation Model for Higher Education Based on The Combination of Efficiency Measurement and Market Position Mapping  
M. Mujia Urihaq, Analytics for Economics and Management, Department of Economic and Management, University of Brescia, Brescia, Italy |

| ID 503 | Analysis of Determining the Optimal Route for 3 kg LPG Gas Distribution Using the Saving Matrix and Nearest Neighbor Methods (Case Study: PT. Rariza Putra)  
Khusna Dwijayanti and Nandha Syafira Rosyadziba, Departement of Industrial Engineering, Faculty of Science and Technology, State Islamic University of Sunan Kalijaga, Yogyakarta, Indonesia |

| ID 384 | Efficient matheuristic for solving the Multiple-Choice Knapsack Problem with Setup  
Yassine Adouani, Laboratory of Modeling and Optimization for Decisional, Industrial and Logistic Systems (MODILS), University of Sfax, Tunisia |

| ID 405 | Location Optimization for Vaccination Centers of the Andean Region in Peru  
Sebastian Cuya, Mariela Lima and Rosa Patricia Larios – Francia, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Lima, Perú |

| ID 31 | Analysis of Continuous Vibration Monitoring on Frequency Domain Using Various Sensors  
Nagesparan Ainarappan, Tham Ming Sum and Kanesan Muthusamy, Faculty of Engineering, Technology & Built Environment, UCSI University Kuala Lumpur, Malaysia |

| ID 119 | Optimization of Overall Equipment Effectiveness (OEE) Value on Wire Caging Machines for Production Process Improvement in Precast Companies  
Dwi Satriyo and Taufik Roni Sahroni, Industrial Engineering Department, BINUS Online Learning, Bina Nusantara University, Jakarta, Indonesia |

## 8:00 – 9:45 am, WEDNESDAY  
**Room 2**

**Global Business Management Education**  
Session Chair: Saryutun, Gunahdari, Lecture at Doctoral Program of History Education, Universitas Sebelas Maret, Indonesia

| ID 138 | Innovation of Upper Body Plyometrics Exercise Model to Increase Senior Karateka Arm Muscle Power: Aiken Validity  
Hadi, Dewangga Yudhistira and Sahru Romadon, Sport Coaching Education, Faculty of Sports Science, Universitas Negeri Semarang, Indonesia |

| ID 147 | Life Skills Literacy Assessment: The Needs and Potency of Tourism Village Community  
Mintarsih Arbarini, Tri Suminar, Bagus Kisworo, All Fine Loretha and Lintang Markhamah, Departemen of Nonformal Education, Faculty of Education, Universitas Negeri Semarang, Indonesia |

| ID 146 | Link and Match Competency-Based Curriculum Design in the Pre-Employment Training Program  
Tri Suminar and Mintarsih Arbarini, Department of Non-Formal Education Faculty of Education Universitas Negeri Semarang |

| ID 136 | Local Food Conservation Through Test of Ipomoea Batatas, Mixed Nuts and Rice Brand for Diabetes Mellitus Diet  
Oktia Woro Kasmini Handayani, Nutrition, Public Health Science Department, Faculty of Sports Science, Universitas Negeri Semarang, Indonesia |

| ID 584 | Now that We are All Expert, What Do We Really Think about Online Class?  
Reny Arumasari, Curriculum Development Program Pascasarjana Universitas Negeri Gorontalo, Indonesia |

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3rd Asia Pacific Conference
ID 131  Nutrition Intake, Physical Activity, and Sleep Quality of the Community in the Month of Fast in the Covid-19 Pandemic
Widiya Hary Cahyati, Public Health Science Department, Faculty of Sports Science, Universitas Negeri Semarang, Indonesia

Natalia Desy Putriningtyas, Nutrition, Public Health Science Department, Faculty of Sports Science, Universitas Negeri Semarang, Indonesia
Wara Dyah Pita Rengga, Chemical Engineering Department, Faculty of Engineering, Universitas Negeri Semarang, Indonesia
Suharyo, Public Health Department, Faculty of Health Science, Universitas Dian Nuswantoro, Indonesia

ID 139  Parent's Interest Towards Developing Apps as a Tool for Student's Control in Physical Education and Support Communication with Teacher
Ipang Setiawan, Dwi Gansar Santi Wijayanti and Donny Wira Yudha Kusuma, Department of Physical Education, Faculty of Sports Science, Universitas Negeri Semarang, Indonesia
Wahyu Ragil Kurniawan, Department of Physical Education for Elementary School, Faculty of Sports Science, Universitas Negeri Semarang, Indonesia

ID 124  The Role of Social Media to Attract Virtual Basketball Championship's Participant during Pandemic Era
Billy Castyana, Chandra Muki Pratama and Tantiyo Rahayu, Department of Physical Education, Faculty of Sports Science, Universitas Negeri Semarang, Indonesia
Mohammad Arif Ali, Department of Sports Science, Faculty of Sports Science, Universitas Negeri Semarang, Semarang, Jawa Tengah, Indonesia

ID 144  Why Is Public History in Indonesia Important? to Teach Students?
Syafirul Amin, Doctoral Program of History Education, Universitas Sebelas Maret, Indonesia

8:00 – 10:30 am, WEDNESDAY  Undergraduate Student Paper Competition  Room 3

Session Chair and Judge:
Dr. Foo Jin Hoe, Universiti Teknologi Malaysia
Ts. Rozaimi Bin Mohd Saad, Universiti Teknologi Malaysia
Fitra Lestari, Ph.D., Head of Industrial Engineering Study Programme, UIN Sultan Syarif Kasim, Indonesia

Dr. Muhr Hisjam, Universitas Sebelas Maret, Surakarta, Indonesia

ID 502  Feasibility Study of a Biodegradable Antibacterial Tissue Wipes Made of Banana Fiber
Cabugon, Niamen Bles S. and Tenrife, Jaypy T., Industrial Engineering Program, Technological Institute of the Philippines, Quezon City, Philippines

ID 374  Financial Technology Responsibility in Online Child Prostitution Business
Rana Mahararah, Faculty of Humanities, University of Bina Nusantara, Jakarta, Indonesia

ID 386  Implementation of Know Your Customer (Kyc) in Crypto Asset in Indonesia
Ayuning Sawitri Salsabilla, Undergraduate Student, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 400  Implementation of Six Sigma to Increase Sigma Level: A Case Study of Food Industry
Muhammad Fatah Al Falah, Engineering Student, School of Mechanical Engineering, Faculty Engineering, Universiti Teknologi Malaysia, Skudai, Johor, Malaysia
Jafri Mohd Rohani, Senior Lecturer, School of Mechanical Engineering, Faculty of Engineering, Universiti Teknologi Malaysia, Skudai, Johor, Malaysia

ID 324  Innovation and Technology Readiness Level of Mobile Charging Station Swap Battery: A Conceptual Study
Alifah Diana Rahmania, Magister Program of Industrial Engineering, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
Wahyudi Sutopo, University Centre of Excellence for Electrical Energy Storage Technology, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
Renny Ruchioni, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

ID 149  Investment Feasibility Analysis Addition of CV. XYZ New Milling Machine by Considering Price Changes and Sensitivity Analysis
Ilham Faizurzaman, Ilham Maulana Nur Afani, Narista Neri Vadila and Naufal Raka Zaky, Bachelor Student of Industrial Engineering Department, Faculty of Engineering, University of Sebelas Maret Surakarta, Indonesia

ID 148  Investment Feasibility Analysis Addition of Painting Machine CV. Creative 71 Taking into Account Taxable income and Price Changes
Cita Tri Cahaya Sakti, Danendra Dimas Aryasatya, Desyana Ratna Pinasthi and Evelyn Nathania, Undergraduate of Industrial Engineering, Faculty, Sebelas Maret University, Surakarta, Indonesia

Dr. Muhd Hisjam, Universitas Sebelas Maret, Surakarta, Indonesia
8:00 – 9:45 am, WEDNESDAY  
Lean Six Sigma Competition

**Room 4**

*Session Chair and Judges:*
- Dr. Dra. Hennie Husnia, M.T., Dean, Faculty of Engineering, Lantangbuana University, Bandung, Indonesia
- Dr. Dra. Amelia Santoso M.T., Head of Master Program in Industrial Engineering, Universitas Surabaya, Surabaya, Indonesia
- Dr. Muhd Ikmal Isyraf Bin Mohd Maulana, Universiti Teknologi Malaysia

**ID 657**  
**Design a Treadmill HIIT Program with Six Sigma DMAIC Methodology for Diabetic Patients**
Mason Chen, Stanford Online High School, San Jose, CA

**ID 99**  
**Lean Manufacturing Approach using SMED Method and Value Stream Mapping on The Spring beds Production Floor at P.T. Alpha Jaya Manunggal Mandiri**
Geraldo Rafael, Natasia Aurelia, and Sherine Angellina Hoswari, Students in Industrial Engineering Department, Faculty of Engineering, Tarumanagara University, Jakarta, Indonesia
Lina Gozali, Lecturer in Industrial Engineering Department, Faculty of Engineering, Tarumanagara University, Jakarta, Indonesia
Ahad Ali, A. Leon Linton Department of Mechanical, Robotics and Industrial Engineering, Lawrence Technological University, Southfield, MI, U.S.A.

**ID 709**  
**Reduction of Delay on Rice Inspection Process through Lean Six Sigma Methodology**
Engr. Gervin S. Espinosa, Dr. James Louie R. Meneses and Angelica Faith Panganiban, College of Engineering, Manuel S. Enverga University Foundation, Lucena City, Quezon, Philippines

**ID 153**  
**Strategy for Increasing Profitability and Work Efficiency for Knitting Manufacturing Using Lean Six Sigma**
Kevin Adrian, Andres and Wilson Kosasih, Department of Industrial Engineering, Faculty of Engineering, Universitas Tarumanagara, Jakarta, Indonesia

**ID 638**  
**Use of Six Sigma DMAIC for Engineering Design Process Improvement: A Case Study**
Klint Allen A. Mariñas and Yung-Tsan Jou, Department of Industrial and Systems Engineering, Chung Yuan Christian University, Taoyuan City, Taiwan
Satria Fadil Persada, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

**8:00 – 9:45 am, WEDNESDAY**  
Case Studies

**Room 5**

**ID 4**  
**A Sustainability Project Towards Zero Continuous Flaring And Venting Hydrocarbon Of Bokor Betty Rejuvenation Project**
Muhamad Sahir, Ahmad Shatry Universiti Teknologi Malaysia

**ID 625**  
**Adaptive Reuse the Old House into Restaurant: Space, Nostalgic, and Economic Value**
Ade Ariyani Sari Fajarwati and Dila Hendrassukma, Interior Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia
Esther Widhi Andangarsi, Faculty Member, Psychology Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia
Research Interest Group Cross Cultural Communication, Bina Nusantara University, Jakarta, Indonesia

**ID 231**  
**An Analysis and Comparison of Proprietary and Open-source Software for Building E-commerce Website: A Case Study**
Dr. Eric B. Blancaflor and Sasky A Samonte, School of Information Technology, Mapúa University, Philippines

**ID 541**  
**Application of M-Learning in Enhancing Reading Competency among Engineering Undergraduates**
Zulida binti Abdul Kadir, Assoc. Prof., Centre for Language Studies, Universiti Tun Hussein Onn Malaysia, Johor, Malaysia
Nurizah binti Md Ngadiran, Senior Lecturer, Universiti Tun Hussein Onn Malaysia, Johor, Malaysia
Nurizah binti Md Ngadiran, Senior Lecturer, Universiti Tun Hussein Onn Malaysia, Johor, Malaysia
Nurzaidah Amanina binti Mazda, Universiti Tun Hussein Onn Malaysia, Johor, Malaysia
Sarala Thulasi Palpanadan and Zahrul Akmal bin Damin, Senior Lecturer, Universiti Tun Hussein Onn Malaysia, Johor, Malaysia
Rosmahalil Azrol bin Abdullah, Language Teacher, Universiti Tun Hussein Onn Malaysia, Johor, Malaysia

**ID 665**  
**Assessing CSR Project Impact on Mangrove Community in Indonesia: Case Study CSR Program of PT. Pertamina Patra Niaga Integrated Terminal Semarang Located in Semarang Coastal Area**
Fendy E. Wahyudi, Lecturer, Dept. of International Relations, Faculty of Social and Political Sciences, Universiti Diponegoro, Semarang, Indonesia
Aryo Aji Asmoro and Luthfi Nurwafi, Community Development Officer, Integrated Terminal Semarang, PT. Pertamina Patra Niaga, Semarang, Indonesia

**ID 248**  
**Blockchain in the Natuna Tourism Industry**
Jureynolds Jureynolds Bina Nusantara University

**ID 293**  
**Comparative Analysis of Chinese and Indonesian State-Owned Enterprise Reform**
Dayu Nirma Amurwanti, Lili Yulyadi Arnakim, Roseno Aji Affandy and and Yi Ying, Faculty of humanities, Bina Nusantara University

**ID 332**  
**Composition in Bankruptcy that Comes from Suspension of Debt Payment Obligations in The Verdict of Indonesian Supreme Court No.667/Pdt.Sus-Pailit/2021**
Kezia Cessy Ananda Priscilla, Student of Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia
Shidarta, Lecturer-Specialist of Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

**8:00 – 9:45 am, WEDNESDAY**  
**BM**

**Room 6**

*Session Chair: Seow Ta Wee, Faculty of Technology Management & Business, Universiti Tun Hussein Onn Malaysia*
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<td>Muhammad Ikhsan Setiawan, Department of Civil Engineering, Narotama University, Indonesia</td>
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<td>Dani Harnanto, Aeronautical Engineering, De Montfort University, United Kingdom</td>
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<td>G02, Social Science, Environmental Science, Economics, Econometrics and Finance Research Trend</td>
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<td>Muhammad Ikhsan Setiawan, Department of Civil Engineering, Narotama University, Indonesia</td>
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<tr>
<td>ID</td>
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<td>Muhammad Ikhsan Setiawan, Department of Civil Engineering, Narotama University, Indonesia</td>
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<td>Isrina Octy Indah Pertiwi, Student, School of Accounting, Faculty of Economic and Business, Telkom University, Bandung, Indonesia</td>
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<td>Dewa Putra Krishna Maharadika, Lecture, School of Accounting, Faculty of Economic and Business, Telkom University, Bandung, Indonesia</td>
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<td>ID</td>
<td>382 How Emotional Intelligence Influences Organizational Culture Thus Impact to the Job Satisfaction of Millennials Employee in Selected Automotive Industry in East Java</td>
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<td>Tinjung Desy Nursanti and Vannessa Natasha Prissilia Lendeng, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>ID</td>
<td>681 Impact of E-Audit on Public Organization’s Performance in Oman</td>
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<td>Mohammed Hamed AL-Salmi and Seow Ta Wee, Faculty of Technology Management &amp; Business, Universiti Tun Hussein Onn Malaysia</td>
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<td>Fazal Akbar, Department of Business Administration, University of Buner, KP Pakistan</td>
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<td>ID</td>
<td>283 Impact of Payment Gateways in Online Shopping Behavior (Case in SME in Indonesia)</td>
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<td>Lim Sanny, Avilla and Amanda, Management Department, BINUS Business School Master Program, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Beni Widarman Yus Kelana, Azman Hashim International Business School, Universiti Teknologi Malaysia, Skudai, Johor, Malaysia</td>
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**8:00 – 9:45 am, WEDNESDAY**

**IoT**

Room 7

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<td>Hermanario Sastroharto, Andreas Wahyu Krisdiarto, and Arief Ika Uktoro, Agricultural Engineering Department, Faculty of Agricultural Technology, Institute of Agriculture STIPE, Yogyakarta, Indonesia</td>
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<td>Reza Rahutomo, Information System Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Teddy Suparyanto, Bioinformatics &amp; Data Science Research Center, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Bens Pardamean, Computer Science Department, BINUS Graduate Program, Master of Computer Science, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Dina Fitri Murad, Information Systems Department, BINUS Online Learning, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Kiyota Hashimoto, Interdisciplinary Graduate School or Earth System Science and Andaman Natural Disaster Management, Prince of Songkla University, Phuket Campus, Phuket, Thailand</td>
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3rd Asia Pacific Conference

[Page 63]
September 14 (WEDNESDAY) - Session: 9:20 am – 1:00 pm

Keynote Speakers – Room 1

9:20 am Keynote IV:

**Prof. Duc Truang Pham**
Chance Chair of Engineering
University of Birmingham, UK

10:00 am Keynote V:

**Dr. Mohd Azman Idris**
Senior General Manager, SIRIM STS Sdn Bhd, Malaysia

10:40 am Keynote VI:

**Prof. Dr. Mohamad Sattar Rasul**
Chairman of STEM Enculturation Center
Universiti Kebangsaan Malaysia

11:20 am Keynote VII:

**Dr. Muhamad Nizam**
Professor, Sebelas Maret University, Indonesia

12:00 pm Keynote IX:

**Prof. Kerstin Johansen**
Full Professor in Integrated Product and Production Development
Jonkoping University, Sweden

11:30 am – 1:30 pm, WEDNESDAY

Undergraduate Student Paper Competition

Session Chair and Judge:
Dr. Foo Jin Hoe, Universiti Teknologi Malaysia
Ts. Rozaimi Bin Mohd Saad, Universiti Teknologi Malaysia
Fitra Lestari, Ph.D., Head of Industrial Engineering Study Programme, UIN Sultan Syarif Kasim, Indonesia
Dr. Muhd Hisjam, Universitas Sebelas Maret, Surakarta, Indonesia

**ID 652**  The Influence of Managerial Ownership, Independent Commissioner, Auditor Industry Specialization, and Profitability on Integrity of Financial Statements (Study of Insurance Sub Sector Companies Listed on Indonesia Stock Exchange in 2017 – 2020)
Dewi Ummu Annisa, Muhamad Muslih, Department of Accounting, Faculty of Economics and Business, Telkom University, Bandung, West Java, Indonesia
ID 651  The Influence of Managerial Ownership, Sales Growth, Total Assets Ratio, and Premium Growth Ratio on Stock Price (Study of Insurance Sub Sector Companies that Listed on Indonesia Stock Exchange in 2018 – 2020)
Andin Damayanti and Muhammad Musliah, Department of Accounting, Faculty of Economic & Business, Telkom University, Bandung, Indonesia

ID 367  The Influence of Tax Minimization, Firm Size, Exchange Rate, and Multinationality on Indication to Performs Transfer Pricing: Evidence from Manufacturing Companies Listed on the Indonesia Stock Exchange (IDX)
Erika Megadiana and Kurnia, Faculty of Economics and Business, Telkom University, Bandung, West Java, Indonesia

ID 513  The Influence of Village Own – Source Revenues, Village Fund and Sharing Tax Results – Retributions on Village Expenditures (Case Study at Village in Batang District 2020)
Asyhaefa Rizkia Budi Utami, Student, School of Accountancy, Faculty of Economics and Business, Telkom University, Bandung, Indonesia
Sri Rahayu, SE., M.AK., Ak., CA. and Tri Utami Lestari, SE., M.Ak., Lecturer, School of Accountancy, Faculty of Economics and Business, Telkom University, Bandung, Indonesia

ID 716  The Influence of Village-Owned Enterprises (BUMDes), Village Funds and The Professionalism of Village Asset Management on Village Original Income (Study on Villages in Rembang District in 2022)
Millenia Aisyah Kusumawardhani, Accounting Student, Faculty of Economics and Business, Telkom University, Bandung, Indonesia
Sri Rahayu, Lecturer of Accounting, Faculty of Economics and Business, Telkom University, Bandung, Indonesia

ID 500  The Pain Level and Discomfort on The Lower Extremities of Body Part
Mohamad Fitri Bin Azman, Engineering Student, School of Mechanical Engineering, Faculty Engineering, Universiti Teknologi Malaysia, Skudai, Johor, Malaysia
Jafri Mohd Rohani, Senior Lecturer, School of Mechanical Engineering, Faculty of Engineering, Universiti Teknologi Malaysia, Skudai, Johor, Malaysia
Noorul Azreen Aziz and Ismail Abdul Rahman, Executive, Ergonomic Excellence Centre, Southern Region, National Institute of Occupational Safety and Health, Skudai, Johor, Malaysia

ID 661  The Revolution of Female Characters in Disney Films
Bella Angelina Susanto and Ekky Imanjaya SS., M. Hum., MA., Ph.D., School of Design Department, Film Studies, Binus University, Kav 21, Alam Sutera Jalan Jalur Sutera Barat Panunggangan Timur, RT.001/RW.004, Panunggangan, Kec. Pinang, Kota Tangerang, Banten

ID 167  The Sentiment Analysis of Online Customer Review on Food and Beverages Delivery Services in the GOJEK Application Using K-Nearest Neighbors
Aal Fathirizqy Putra Mahardika, Student, Department of Industrial Engineering, Faculty of Engineering, Universitas Negeri Malang, Indonesia
Aisyah Larasati, Associate Professor, Department of Industrial Engineering, Faculty of Engineering, Universitas Negeri Malang, Malang, Indonesia
Abdul Muid, Lecturer, Department of Industrial Engineering, Universitas Negeri Malang, Malang, Indonesia

ID 544  Time Motion Study Using Arena Simulation at Furniture Industry
Jivani D A/P Dorai Raja Singam and Abdul Talib BinBon, Faculty of Production and Operation Management, University Tun Hussein Onn Malaysia, Batu Pahat Johor, Malaysia

11:30 am – 1:30 pm, WEDNESDAY  Business Management  Room 4
Session Chair: Muhammad Taufiqi, Faculty of Economics and Business, Lecturer of Accounting, Telkom University, Bandung, Indonesia

ID 634  The Influence of Financial Literacy, Herding and Overconfidence on Investment Decisions (Study on Productive Age Communities in the City of Bogor)
Ahmad Muhaemin and Budi Rustandi Kartawinata, Faculty of Communication and Business Telkom University, Bandung, Indonesia

ID 656  The Influence of Fraud Hexagon Perspective on Fraud Financial Statement (Case studies on Manufacturing in the Chemical and Basic Industries Sub-Sector Listed on the Indonesia Stock Exchange for the Period 2019-2021)
Wahdan Arum Inawati and Muhammad Aria Bachtlar Arief, Faculty of Economics and Business, Lecturer of Accounting, Telkom University, Bandung, Indonesia

ID 582  The Influence of Green Education on Sustainable Mindset in Business English Class
Asih Zunaidah and Lila Nathania, Communication Science Department, Faculty of Digital Communication and Hotel & Tourism, Bina Nusantara University, Jakarta, Indonesia
Nina Amalia Nuricksania, Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia
Desi Indrawati, Computer Science Department, School of Computer Science, Bina Nusantara University, Jakarta, Indonesia

Leny Suzan and Camelia Aini, Faculty of Economics and Business, Telkom University, Bandung, Indonesia

ID 542  The Influence of Non Physical Work Environment and Work Stress on Job Performance of Gen Z in Indonesia
Fadilla Saraswati, Magister Management Student, Faculty of Economics and Business, Telkom University, Bandung, Jawa Barat, Indonesia
Dian Indiyati, Lecturer of Magister Management, Faculty of Economics and Business, Telkom University, Bandung, Jawa Barat, Indonesia

ID 380  The Influence of Profitability, Liquidity, Managerial Ownership, and Company Growth on Dividend Policy
Farida Titik Kristanti, Wahdan Arum Inawati and Fitriani Nabilah Yasmin, Faculty of Economics and Business, Telkom University, Dayeuhkolot, Kabupaten Bandung, Indonesia

ID 228  The Influence of Promotion and Ease of Perception on Internet in Using Digital Wallets with Pocket Money as Moderation Variable in Jabodetabek
11:30 am – 1:30 pm, WEDNESDAY

Energy and Service

Room 5

Session Chair: Dr. Abdilla Sani Bin Mohd. Najib, School of Mechanical Engineering, Faculty of Engineering, Universiti Teknologi Malaysia, Skudai, Johor Bahru, Johor, Malaysia.

ID 519 Wind Energy Application
Ipfi Siaga, Department of Quality and Operations Management, University of Johannesburg, Doornfontein Campus, Johannesburg, South Africa

ID 510 Renewable Energy Directive II Impact on Combating Deforestation in Indonesia
Albert Antolis and Arthanami Ekakrisima Pandjaitan, International Relations Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 583 Renewable Energy Policy to Achieve Sustainable Development Goals in Indonesia
Erna Ratnaningsih, Lecturer, Business Law Program, Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 294 Renewable Energy Studies in Indonesia and Malaysia: a state-of-the-art
Zakkyyan Zain Alkaif, Department of Mechanical and Industrial Engineering, Faculty of Engineering, Universitas Gadjah Mada (UGM), Yogyakarta, Indonesia
Budi Hartono, Associate Professor, Head of Department of Mechanical and Industrial Engineering, Faculty of Engineering, Universitas Gadjah Mada (UGM), Yogyakarta, Indonesia
Former Director, Project Management Institute, Indonesia Chapter, Yogyakarta Branch

ID 683 The Quantum Dot-sensitised Solar Cells (QDSSCs): A Review on Recent Achievements (2010-2021)
Layla Haythoor Kharboot, Nor Akmal Fadil, Tuty Asma Binti Abu Baker and Abdilla Sani Bin Mohd. Najib, School of Mechanical Engineering, Faculty of Engineering, Universiti Teknologi Malaysia, Skudai, Johor Bahru, Johor, Malaysia.
Norhuridah Hidaya Nordin, Department of Manufacturing and Material Engineering, International Islamic University Malaysia, Jalan Gombak, Kuala Lumpur, Malaysia

ID 448 Medium-Term Capacity Planning in Servuccion Systems: Case Study specialized Outpatient Medical Services
Hernando Garzón Saenz and José Manuel Solana Garzón, CIPTEC Research Group - Faculty of Engineering - Industrial Engineering Program - Technology in Industrial Production, Fundacion Universitaria Tecnologico Comfenalco, Cartagena de Indias, Colombia
Andrés Redchuk, ETSII. Department of Computer Sciences. University Rey Juan Carlos. Madrid. Spain
Director of Operational Excellence and Process Improvement Institute. School of Engineer, University of Lomas de Zamora. Argentina

ID 308 The Development of Behavioral Intention Model for Public Transportation Use on Bus X Passengers in Pekanbaru City
Budi Prihartono, Senior Lecturer, Industrial Engineering and Management, Industrial Technology Faculty, Bandung Institute of Technology, Bandung, Indonesia
Siti Soraya Faiza Nasution, Student, Industrial Engineering and Management, Industrial Technology Faculty, Bandung Institute of Technology, Bandung, Indonesia
Ilham Reza Prasetyo, Researcher, Industrial Management Research Group, Industrial Technology Faculty, Bandung Institute of Technology, Bandung, Indonesia

ID 404 The Effectiveness of Gamification for Student's Well-being: A Systematic Literature Review
Aldila Rizkiana, Doctoral Student, Industrial Engineering and Management, Faculty of Industrial Technology, Institut Teknologi Bandung, Bandung, West Java, Indonesia
Kadarsah Suryadi and Rajesri Govindaraju, Professor, Industrial Engineering and Management, Faculty of Industrial Technology, Institut Teknologi Bandung, Bandung, West Java, Indonesia
Hasrini Sari, Senior Lecturer, Industrial Engineering and Management, Faculty of Industrial Technology, Institut Teknologi Bandung, Bandung, West Java, Indonesia

11:30 am – 1:30 pm, WEDNESDAY

Lean

Room 6

Session Chair:

ID 789 Statistical Analysis of Influence on Total Microbes in Hydrolyzed Bovine Collagen Milk with Different Pasteurization Treatments Using Pulsed Electric Field
Tranggono, Kinarbi Resmi Hayati, Fitriatus Sholeha, and Albertus Adrijanto Satrio Prakosa, Department of Industrial Engineering, Universitas Pembangunan Nasional “Veteran” Jawa Timur, Surabaya, Indonesia
Anugerah Dany Priyanto, Department of Food Technology, Universitas Pembangunan Nasional “Veteran” Jawa Timur, Surabaya, Indonesia

ID 266 Cloud-based statistical process control mobile application development with open-source software
Lim Chong Hon and Chin Jeng Feng, School of Mechanical Engineering, Faculty of Engineering, Universiti Sains Malaysia, Pulau Pinang, Malaysia

ID 58 Analysis of Driving Factors for Used Cooking Oil Management in Catering at Yogyakarta City
Siti Mahsanah Budijati and Muhammad Daffa Haikal, Industrial Engineering Department, Faculty of Industrial Technology, Universitas Ahamd Dhahan, Yogyakarta, Indonesia
ID 7  SEM Method in Analyzing Student Behavior Towards Waste Sorting
Raihan Ariq Hermawan, Felicia Trisnanto, Abhiniwesna Pinandita Acandraasthayi and Margaretha Ohyver, Statistics Department, School of Computer Science, Bina Nusantara University, Jakarta, Indonesia

ID 168  Vocational School Student Perception on Plastic Waste Management: the role of Recycling Education
Imam Mustofa, Student, Department of Mechanical Engineering Education, Faculty Teacher Training and Education, Sebelas Maret University Surakarta, Indonesia
Indah Widjastuti and Yuyun Estriyanto, Mechanical Engineering Education Lecturer, Faculty Teacher Training and Education, Sebelas Maret University, Surakarta, Indonesia

Cruz Arjen Guila, Bidayan Jan Marielle, Garchitorenah John Rei, Ople Erika Mae P., Quintana Carl Joseph and Tenerife Jayppy, Industrial Engineering Program, College of Engineering and Architecture, Technological Institute of the Philippines, Quezon City, Philippines

ID 50  Staff Competence Model in Implementation of Quality Management 4.0 at Telecommunications, Industry: Literature Review
Arissa Dwi Pangestu, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Surakarta, Indonesia
Retno Wulan Damayanti, Industrial Engineering Study Program, Faculty of Engineering, Center of Technology Development and Industrial Collaboration, Institute for Research and Community Service, Universitas Sebelas Maret, Surakarta, Indonesia
Fakhrina Fahma, Industrial Engineering Study Program, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

11:30 am – 1:30 pm, WEDNESDAY  Logistics and Transportation  Room 7
Session Chair: Attig Ines, Department of Economics, Faculty of Economic Sciences and Management of Sousse, University of Sousse, Tunisia

ID 94  Order Picking Routes Optimization for Time Efficiency and Balanced Utilization and Travel Distance among Material Handling Equipment in Warehouse Operations
Dina Natalia Prayogo, Industrial Engineering Department, Faculty of Engineering, Universitas of Surabaya, Surabaya, Indonesia

ID 353  The Determinant Factors of Optilog Adoption on a Logistic Service Company in Indonesia: Literature Review
Meliani, Accounting Department, School of Accounting - Master of Accounting, Bina Nusantara University, Jakarta, Indonesia
Arta Moro Sundjaja, Business Management Program, Management Departmentet, BINUS, Business School Graduate Program, Bina Nusantara University, Jakarta, Indonesia

ID 444  Risk Analysis and Mitigation in Supply Chain with House of Risk (HOR) Approach in Bag Manufacturing Industry at XYZ
Isna Nugraha, Sinta Dewi, Yekti Condro Winursito, Rizqi Novita Sari and Mega Cattleya Prameswari Anissa Islami, Industrial Engineering Department, Faculty of Engineering, Universitas Pembangunan Nasional Veteran Jawa Timur, Surabaya, Indonesia

ID 727  A GIS Based Approach for Hazardous Road Locations Identification in Tunisia
Attig Ines, Department of Economics, Faculty of Economic Sciences and Management of Sousse, University of Sousse, Tunisia
Ouni Fedy, Department of Transportation and Logistics, Higher Institute of Transport and Logistics of Sousse., University of Sousse, Tunisia
Attig Imen, Engineering Department, DroneXperts, Quebec, Canada
Environnement Departement, National Institute of Scientific Research of Québec (INRS), Canada

ID 724  A GIS-based spatio-temporal assessment of motorized versus non-motorized road users collisions hot spots
Attig Ines, Department of Economics, Faculty of Economic Sciences and Management of Sousse, University of Sousse, Tunisia
Ouni Fedy, Department of Transportation and Logistics, Higher Institute of Transport and Logistics of Sousse., University of Sousse, Tunisia
Attig Imen, Engineering Department, DroneXperts, Quebec, Canada
Environnement Departement, National Institute of Scientific Research of Québec (INRS), Canada

ID 723  Spatial Analysis of Traffic Accidents Between Tunisian Regions
Ouni Fedy, Department of Transportation and Logistics, Higher Institute of Transport and Logistics of Sousse., University of Sousse, Tunisia
Attig Imen, Engineering Department, DroneXperts, Quebec, Canada
Environnement Departement, National Institute of Scientific Research of Québec (INRS), Canada

ID 509  Towards Integration of Truck Appointment System and Direction for Future Research
Veterina Nosadila Riaventin and Rully Tri Cahyono, Suprayogi, Senator Nur Bahagia, Faculty of Industrial Technology, Institut Teknologi Bandung Jalan Ganesa 10, Bandung, Indonesia

1:00 – 2:00 pm – Lunch Break

September 14 (WEDNESDAY) - Session: 2:00 – 3:45 pm

2:00 – 3:45, WEDNESDAY  GMBE  Room 1
Global Business Management Education II
Session Chair: Dr. Ir. Yuary Farradia (Universiti Malaysia Terengganu)

Speaker I
2:00 – 3:45, WEDNESDAY  Industry Solutions I  Room 2

Session Chair: Assoc. Prof. Dr. Adnan Hassan, University of Technology, Malaysia and Dr. Basuki Rahmad, ST, MT, CEO – PT. Transforma Engineering & Solutions; Telkom University, Bandung, Indonesia

2:00 pm – 2:20 pm (Wednesday, September 14)

Dr. Ir. Jupriyanto, S.T., M.T., CIQaR., IPU., ASEAN Eng
Lecturer
Faculty of Defense Technology
Republic of Indonesia Defense University

2:20 pm – 2:40 pm (Wednesday, September 14)

Dr. Tanika D Sofianti
Associate Professor
Coordinator of Laboratory of Innovation and Digital Transformation
Industrial Engineering Department
Engineering Faculty of Swiss German University
Prominence, Alam Sutera, Indonesia

2:40 pm – 3:00 pm (Wednesday, September 14)

Dr. Edly Ferdin Ramly (Session Chair)
Certification Director
EFR Certification

3:00 pm – 3:20 pm (Wednesday, September 14)

Kamaruzaman Jiddin
Consultant and Trainer
K6 Tech Sdn Bhd./ Powernode Solution Sdn Bhd.

2:00 – 3:45, WEDNESDAY  Undergraduate Student Paper Competition  Room 3

Session Chair and Judge:
Mr. Khidzir Bin Zakaria, Universiti Teknologi Malaysia
Ts. Zulkepli Bin Haji Muhamad, Universiti Teknologi Malaysia
Fitra Lestari, Ph.D., Head of Industrial Engineering Study Programme, UIN Sultan Syarif Kasim, Indonesia
Dr. Muhd Hisjam, Universitas Sebelas Maret, Surakarta, Indonesia

ID 363  Lean methodologies in the global tourism sector: A literature review
Omar Alfredo Avalos-Rolando and Adrián Gabriel Valladares-Loayza, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Lima, Perú
Juan Carlos Quiroz-Flores and Bertha Hyadeé Díaz-Garay, Research Professors, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Lima, Perú

ID 311  Legal Construction and Responsibility f Teleconsultation Based Health Services
Tio Ariesta, Business Law Program, Faculty of Humanities, Bina Nusantara University, DKI Jakarta, Indonesia
Shidarta, Associate Professor, Business Law Program, Law Department, Bina Nusantara University, DKI Jakarta, Indonesia

ID 343  Legal Protection and Efforts to Deal with Violence Against Children in Support of Child Friendly Cities   In Jakarta
Ahmad Reza Mufti and Ahmad Sofian, Business Law Program, Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 406  Legal Protection for Online Loan Companies for Debtors Risk of Default: Case Study of PT. Mitrausahaan Indonesia Group (Modalku)
Zafira Mega Permata, Faculty of Humanity, Binus University, Jakarta, Indonesia
Paulus Aluk Fadjar Dwi Santo, S.H., M.H., Senior Lecturer of Business Law Binus & Head of Department, Faculty of Humanity, Binus University Jakarta, Indonesia

ID 398  Lobster Seeds Smuggling Management in Indonesia
Mustika Sari Kurniawan and Ahmad Sofian, Business Law Program, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia
ID 174  Malware Detection using Portable Executable Header and Gradient Boosting Classification Algorithm
Lulu Sabila Paza, Taclib Hendro Pudjiantoro and Asep Id Hadiana, Informatics Department, Faculty of Science and Informatics, Universitas Jenderal Achmad Yani, Cimahi, Indonesia

ID 465  Measurement of Software Quality Using the ISO 9126 Model on the Academic System of Jenderal Achmad Yani University
Fajar Ramadhan, Puspita Nur Sabrina and Herdi Ashaury, Informatics Department, Faculty of Science and Informatics, Universitas Jenderal Achmad Yani, Cimahi, Indonesia

ID 774  Impact of Organizational Justice, Abusive Supervisor, and Self-Control on Cyberloafing Behaviour During Covid 19 Pandemic with Work Stress as a Mediation Variable: Study on Travel Companies in South Jakarta
Ashari Rahmadi, Universitas Tarumanagara, Jakarta, Indonesia
Yenita, Senior Lecturer, Faculty of Economic and Business, Universitas Tarumanagara, Jakarta, Indonesia

2:00 – 3:45, WEDNESDAY  Master Thesis Competition  Room 4
Session Chair and Judge:
Dr. Eko Pujianto, S.Si, MT Head of Master Program in Industrial Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
Associate Professor Dr. Aini Zubra Binti Abdul Kadir Universiti Teknologi Malaysia
Associate Professor Dr. Syed Ahmad Helmi Bin Syed Hassan, Universiti Teknologi Malaysia

ID 749  Analysis of Employee Competence and Job Satisfaction at The General Election Supervisory Agency (BAWASLU) during the Covid-19 Pandemic
Sintia Lorenza, Masters Student of Management, Postgraduate Program, Universitas Bina Darma, Palembang, Indonesia
Muji Gunarto, Management Department of Economics and Business Faculty, Universitas Bina Darma, Palembang, Indonesia

ID 665  Analisa Faktor-Faktor Yang Mempengaruhi Persistensi Laba
Marsudi and Hari Setiyawati, Departemen Akuntansi, Universitas Mercu Buana, Jakarta, Indonesia

ID 610  Analysis of Intention Factors Joining Course Using Advertising social media
Muji Gunarto, Management Department of Economics and Business Faculty, Universitas Bina Darma, Palembang, Indonesia

ID 682  Analysis of The Effect of Electronic Word of Mouth (E-Wom), Brand Image, Perceived Quality, And Customer Satisfaction In The Millenial Generation (Study In Finpay Money In Pt Finnet Indonesia)
Indira Rachmawati, An Associate Professor of Marketing & Consumer Studies, Faculty of Economy & Business, Telkom University, Bandung, Indonesia
Nabila Zoraidha Damayanti, A student Faculty of Economics and Business, Telkom University, Faculty of Economics and Business, Telkom University, Bandung, Indonesia

ID 220  Comparative Study of Waste to Energy (WtE) Technology in Municipal Solid Waste Management (MSWM) in the Province of the Special Region of Yogyakarta
Wildan Elsha, Department of System Engineering, Faculty of Engineering, Universitas Gadjah Mada, Yogyakarta, Indonesia
Bertha Maya Sopha, Department of Mechanical and Industrial Engineering, Faculty of Engineering, Universitas Gadjah Mada, Yogyakarta, Indonesia
Rachmawan Budiarto, Department of Nuclear Engineering and Engineering Physics, Faculty of Engineering, Universitas Gadjah Mada, Yogyakarta, Indonesia

ID 663  Depression Detection: A subtle approach based on Social media data using Machine Learning.
Manan Hingorani, M. Tech Student, Dr. Vishwanath Karad MIT World Peace University, Pune, India
Dr. Nitin Pise, Faculty, MIT WP, Dr. Vishwanath Karad MIT World Peace University, Pune, India

ID 611  Digital Competency, Self-Leadership and Innovative Work Behavior towards Teacher Performance in Islamic Educational Foundation Samarinda Indonesia
Fetty Poerwita Sary and Nidya Dudjia, Lecturer, Management Business of Telecommunication and Informatics, Faculty of Economics and Business Telkom University, Bandung, Jawa Barat, Indonesia
Milleniathra Moslem, Student, School of Master Management, Faculty of Economics and Business, Telkom University, Bandung, Jawa Barat, Indonesia

ID 785  The Effect of Covid-19 Pandemic Cases and Stock Price Volatility to Stock Returns on the Indonesian Automotive Stock Market
Daniel Togar Valentino Simanjuntak, Indra Kusuma Wardhana, Eko Rasyid Saputra, BINUS Business School, Bina Nusantara University, Jakarta, Indonesia

2:00 – 3:45, WEDNESDAY  Sustainability Manufacturing  Room 5
Session Chair: Zahoor Ur Rehman, Universiti Tun Hussein Onn Malaysia, Parit Raja, Johor, Malaysia

ID 628  Trunk Injection as Green Technology to Improve Rubber Latex Production of Hevea brasiliensis
Candra Ginting and Yohana Theresia Maria Astuti, Agriculture Faculty, Institut Pertanian Sipal, Yogyakarta, Indonesia
Digdo Sudigyo and Teddy Suparyanto, Bioinformatics and Data Science Research Center, Bina Nusantara University, Jakarta, Indonesia
Bens Pardamean, Computer Science Department, BINUS Graduate Program, Master of Computer Science, Bina Nusantara University, Jakarta, Indonesia

ID 734  Accelerating A Commercialization of The Innovation Technology Using Early Supply Chain and Standardization
Wahyudi Sutopo, University Centre of Excellence for Electrical Energy Storage Technology, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
ID 372  Environmental, Social, and Governance (ESG) as Determinant for Competitive Advantage: A Bibliometric Analysis
Tjatur Widyantoro, Muftosim Arief, Mohammad Hamsal, Asnan Furinto and Sri Bramantoro Abidinagoro, Binus Business School Doctor of Research in Management, Bina Nusantara University, Jakarta Selatan, DKI Jakarta, Indonesia

ID 524  Examining the Moderating Effect of Price Sensitivity on the Relationship between Perceived Determinants and Intention to Purchase Green Products: Insights from Malaysian Consumers. A Conceptual Study
Za hoor Ur Reham, Noor Aslinda Abu Seman and Amran Harun, Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia, Parit Raja, Johor, Malaysia

ID 338  Selection of Environmental Impact Reduction Strategies Based on Life Cycle Assessment (LCA) and Analytical Network Process (ANP): A Case Study of Wood Charcoal Industry in Indonesia
Tabitha Titin Suhariyanto, Lecturer, Department of Industrial Engineering, Faculty of Industrial Technology, Universitas Ahmad Dahlan, Yogyakarta, Indonesia
Radion Achmad Chairidino Levevano, Lecturer, Department of Industrial Engineering, Faculty of Industrial Engineering, Universitas Pembangunan Nasional 'Veteran' Yogyakarta, Yogyakarta, Indonesia
Anff Asyly Muhamed, Senior Lecturer, Department of Technology and Supply Chain Studied, Faculty of Business and Management, Universiti Teknologi Mara, Selangor, Malaysia
Sri Wahyu Ningsih and Ahmad Fakhurozi, Student, Department of Industrial Engineering, Faculty of Industrial Technology, Universitas Ahmad Dahlan, Yogyakarta, Indonesia

ID 93  Further Study on an Electric Bike Using a Cycling Posture Analysis, Universal Design and Finite Element Simulation
Ik san Adi, Nasroh Huddaningi and Muhamad Amril, Research Group of Ergonomics, Work System Engineering and HSE, Industrial Engineering Department, Facility of System Engineering, Sumbawa University of Technology, Sumbawa, Nusa Tenggara Barat, Indonesia
Sopyan Ali Rohman, Mechanical Engineering Department, Facility of System Engineering, Sumbawa University of Technology, Sumbawa, Nusa Tenggara Barat, Indonesia

ID 92  Intelligent Control Masin Fermentor Development with Temperature Control System
Sopyan Ali Rohman and Indah Sekar Ayu Putri Lestari, Mechanical Engineering Department, Facility of System Engineering, Sumbawa University of Technology, Sumbawa, Nusa Tenggara Barat, Indonesia
Nurul Hudaningish, Ik san Adi, A Research Group of Ergonomics, Work System Engineering and HSE, Industrial Engineering Department, Facility of System Engineering, Sumbawa University of Technology, Sumbawa, Nusa Tenggara Barat, Indonesia

ID 91  Optimization of Thermal Distribution in Masin Fermentors Using Computational Fluid Dynamic Method With Ansys Software
Nurul Hudaningish, Ik san Adi, Research Group of Ergonomics, Work System Engineering and HSE, Industrial Engineering Department, Facility of System Engineering, Sumbawa University of Technology, Sumbawa, Nusa Tenggara Barat, Indonesia
Sopyan Ali Rohman and Azzam Safaroh Saefulh, Mechanical Engineering Department, Facility of System Engineering, Sumbawa University of Technology, Sumbawa, Nusa Tenggara Barat, Indonesia

ID 527  Aircraft (Dornier 328) Tire Wear Reduction Using Six Sigma and DMAIC Methodology
Enriquez, Noe D., Lasian, Lourdes P and Rubido, Ma Corazon P., Industrial Engineering Department, College of Engineering, Adamson University Manila, Philippines

ID 540  Customer Satisfaction Analysis Based on Service Quality Method and Six Sigma-DMAIC (Case Study at Super Dazzle Yogyakarta)
Khusna Dwiayanti and Rizki Julia Fani, Department of Industrial Engineering, Faculty of Science and Technology, State Islamic University of Sunan Kalijaga, Yogyakarta, Indonesia

ID 81  Green Lean Six Sigma Implementation Framework: A Case Study of Indonesia Tapioca Flour Industry
Ay u Setiawati, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, sebelas Maret University Surakarta, Indonesia
Reno Wulan Damayanti, Mechanical Engineering Study Program, Faculty of Engineering, Center of Technology Development and Industrial Collaboration, Institute for Research and Community Service, sebelas Maret University, Surakarta, Indonesia
Fakhrina Fahma, Industrial Engineering Study Program, Faculty of Engineering, sebelas Maret University, Surakarta, Indonesia

ID 102  Identifying and Translate Customer Value to Business Process in Higher Education Institution (HEI): The First Step in the Journey Become Lean
Ig. Jaka Mulyana, Department of Industrial and Systems Engineering, Institut Teknologi Sepuluh Nopember, Surabaya Indonesia

ID 598  Lean manufacturing to improve the efficiency in a small and medium enterprise: case in tofu production processes
Sri Hartini, Nurin Salwa Nabila, Faradzhia Azzahra, Heru Prastawa and Yusuf Widharto, Faculty of Industrial Engineering, Diponegoro University, Prof Soedarto Tembalang, Semarang, Indonesia

ID 350  Reveal Six Sigma Implementations in Indonesia Manufacturing Industries
Selamat W. Hia, Graduate Student, Management and Technology Department, Institut Teknologi Sepuluh November, Surabaya, Indonesia
Fabri Tobal Situmeang, Industrial Engineering Department, Telkom University, Bandung, Indonesia

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**Session Chair:** Siti Nadhirah Mohamad Fauzi, Faculty of Business and Management, Universiti Sultan Zainal Abidin, Kuala Nerus, Terengganu, Malaysia

**ID 414** Examining the Relationship Between Social Media Influencer Impact on Purchase Intention Towards Fashion Industry
Dr. Drs. Agustinus Dedy Handrimurtjahjo, M.B.M, Yunita Wijaya Handranata, B.Eng., M.M, Alvina Permatasari and Clarissa Delviana Dewi, Business Creation Department, Bina Nusantara University, Alam Sutera, Tangerang, Indonesia

**ID 741** Experience marketing and commercial success in a mall. Megaplaza Independencia case (Peru)
Franklin Cordova-Buiza, Research, Innovation and Social Responsibility Department, Universidad Privada del Norte, Lima Peru
Elsa Denisse Paredes-Rivadeneyra, Business Faculty, Administration, Universidad Privada del Norte, Lima Peru
Claudia Amparo Torres-Linares, Business Faculty, Administration and Marketing, Universidad Privada del Norte, Lima Peru

**ID 569** Experiential marketing and the online purchase decision in the fashion industry in Lima (Peru)
Franklin Cordova-Buiza, Research, Innovation and Social Responsibility Department, Northern Private University, Lima Peru
Katherine Nicole Cabrera-Cordova, Business Faculty, Administration and Marketing, Northern Private University, Lima Peru
Elsa Denisse Paredes-Rivadeneyra, Business Faculty, Administration and Marketing, Northern Private University, Lima Peru

**ID 169** Exploring the Financial Management Practices on The SMEs Business Performance
Iston Dwija Utama, Mulyani Karmagatri, Dian Kurnianingrum and Okky Rizkia Yustian, Entrepreneurship Department, Binus Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

**ID 226** Factors Affecting the Performance of Stock Investment in Jakarta
Pantri Heriyati and Sri Bramantoro, Doctoral Research Management, BINUS Business School, BINUS University, Indonesia
Dewi Tamara, Executive Master Program, BINUS Business School, BINUS University, Indonesia
Christopher Joshua Leksaana, Master Program Blended Learning, BINUS Business School, BINUS University, Indonesia
Anita Maharani, Blended Learning Program, BINUS Business School, BINUS University, Indonesia

**ID 114** Factors of Risk in Risk Management for Start-up Business in SMEs: A Comprehensive Literature Review
Siti Nadhirah Mohamad Fauzi, Puspa Liza Ghazali, and Rosilda Abd Razak, Faculty of Business and Management, Universiti Sultan Zainal Abidin
Kuala Nerus, Terengganu, Malaysia
Rabiatul Adawiyah Abdul Rohim, Faculty of Medicine, Universiti Sultan Zainal Abidin, Kuala Terengganu, Terengganu, Malaysia

**ID 230** Fostering Innovative Behaviour Among Millennial Workers
Maria Grace Hertina, Sari Apriza and Randy Hadipesopito, Senior Lecturer, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia
Nabila Ailsa Rachmadianti, Senior Student, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

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**September 14 (WEDNESDAY) - Session: 4:00 – 5:45 pm**

**Panel Chair:**
Dr. Felix C. Veroya, CIE, AAE, CLF, CKF, MBB, CSM, DHum
Professional Industrial Engineer | Associate ASEAN Engineer | Certified Lean Facilitator | Lean Six Sigma Master Black Belt | Certified Sprint Master | Doctor of Humanities
Manila, Philippines

**Panel Co-Chair:**
Dr. Erialdi Syahrial
Senior Lecturer
Business Administration Department
Azman Hashim International, Business School
Universiti Teknologi Malaysia

**Panel Speaker I**
Dr. Rey B. Fremista
President, Philippine Society for Quality
AVP – Lean Digital Transformation, Genpact
Professorial Lecturer, MBA Program, Polytechnic University of the Philippines

**Panel Speaker II**
Hood Atan
Full time trainer, auditor and management consultant in the fields of Quality, Health & Safety, Energy and Environmental Management system

**Panel Speaker III**
Ts. Dr. Muhd Ikmal Isyraf bin Mohd Maulana
Senior Lecturer

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Panel Speaker IV
Panel Speaker V

4:00 – 5:45, WEDNESDAY

**Industry II**

Room 2

Session Chair: Assoc. Prof. Dr. Adnan Hassan, University of Technology, Malaysia and Dr. Basuki Rahmad, ST, MT, CEO – PT. Transforma Engineering & Solutions; Telkom University, Bandung, Indonesia

4:00 pm - 4:20 pm (Wednesday, September 14)

Khusna Dwijayanti, S.T., M.Eng., Ph.D.
Industrial Engineering Department
Faculty of Science and Technology
Universitas Islam Negeri (UIN) Sunan Kalijaga
Yogyakarta, Indonesia

4:20 pm - 4:40 pm (Wednesday, September 14)

4:40 pm - 5:00 pm (Wednesday, September 14)

5:00 pm - 5:20 pm (Wednesday, September 14)

5:20 pm - 5:40 pm (Wednesday, September 14)

4:00 – 5:45, WEDNESDAY

**Undergraduate Student Paper Competition**

Room 3

Session Chair and Judge:
Mr. Khidzir Bin Zakaria, Universiti Teknologi Malaysia
Ts. Zulkepli Bin Haji Muhamad, Universiti Teknologi Malaysia
Fitra Lestari, Ph.D., Head of Industrial Engineering Study Programme, UIN Sultan Syarif Kasim, Indonesia
Dr. Muhd Hisjam, Universitas Sebelas Maret, Surakarta, Indonesia

**ID 209**
**Nft Coin Price Prediction (Non-Fungible Token) Using K-Nearest Neighbors Method**
Adena Wahyu Gumelar, Tacbir Hendro Pudjiwantoro and Puspita Nurul Sabrina, Informatics Department, Faculty of Science and Informatics
Universitas Jenderal Achmad Yani, Cimahi, Indonesia

**ID 687**
**Optimization of Shipping Services with Waste Analysis Using Lean Service**
Maylinda Ayu Setyarini, Yugowati Praharso and Devina Puspita Sari, Business Management Department, Shipbuilding Institute of Polytechnic
Surabaya, Surabaya, Indonesia

**ID 370**
**Organizational Culture Assessment Instruments (OCAI) and Multi-Objective Optimization based on Ratio (MOORA) Approach to Reduce Financing Risk (Case Study: Islamic Rural Bank in Indonesia)**
Dinda Rhamanda, Tiena Gustina Amran and Annisa Dewi Akbari, Industrial Engineering Department, Faculty of Industrial Technology, Trisakti University, Jakarta, Indonesia

**ID 417**
**Implementation of Occupational Health and Safety To Business Persons In The Retail Trade Sector Of Motor Vehicle Equipment: Analysis Of The Implementation Of Regulation Of The Minister Of Manpower Number 5 Of 2018 Concerning Working Environmental Safety And Health To Business X**
Zahra Anjusa Shafiyya Gupita, Business Law Student, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia
Iron Sarira, Lecturer, School of Business Law, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

**ID 110**
**Performance evaluation of 1-hexadecyl-3-methylimidazolium bromide, lauryl glucoside and decane in creating winsor type-iii microemulsion**
Abang Muhamad Luqman Arif Abang Norden Universiti Teknologi PETRONAS Malaysia

**ID 418**
**Piercing the Corporate Veil: Effectiveness Of Alter Ego And Instrumentality Legal Test**
Paulus Aluk Fajar Dwi Santo, Lecturer, Business Law Program, Law Department, Bina Nusantara University, Jakarta, Indonesia
Fellin, Student of Business Law, Law Department, Bina Nusantara University, Jakarta, Indonesia

**ID 161**
**Predicting Factors Affecting Student’s Satisfaction and Acceptance On E-learning Meeting Platforms Utilizing Artificial Neural Network**
Ardvin Kester S. Ong, School of Industrial Engineering and Engineering Management, Mapua University, Manila, Philippines
John Lorenzo A. Abad, Elmerson M. Buscado, Lian Reese R. Gomez, Alain Jr L. Lee and Carlos Ignacio P. Lugay Jr., Industrial Engineering Department, University of Santo Tomas, Manila, Philippines

**ID 776**
**Impact of Employee Training, Work Environment, Incentives, and Work Disciplines on Employee’s Job Performance Through Mediating Role of Job Satisfaction During Covid 19 Pandemic: A Study on Logistic Companies in West Jakarta**
Johanna Tania, Universitas Tarumanagara, Jakarta, Indonesia
4:00 – 5:45, WEDNESDAY  Master Thesis Competition  Room 4
Session Chair and Judge:
Dr. Eko Pujiyanto, S.Si, MT Head of Master Program in Industrial Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
Associate Professor Dr. Ainzi Zuhra Binti Abdul Kadir Universiti Teknologi Malaysia
Associate Professor Dr. Syed Ahmad Helmi Bin Syed Hassan, Universiti Teknologi Malaysia

ID 609  Dynamic Balanced Scorecard Performance Analysis of Medical Device Distributor During the Covid-19 Pandemic Crisis
Barata Sutrisno and Humiras Hardi Purba, Master of Industrial Engineering, Faculty of Engineering, Mercu Buana University, Jakarta, Indonesia

ID 630  Effect Digital Marketing and Product Quality to Purchasing Decision
Aidil Fitrisyah and Hasmawaty, Management Postgraduate Program, Universitas Bina Darma, Palembang, Indonesia
Darius Antoni, Faculty of Computer Science, Universitas Bina Darma, Palembang, Indonesia
Dian Rianawati, Faculty of Economy and Business, Universitas Bina Darma, Palembang, Indonesia

ID 331  Enterprise Resource Planning for Outsource Logistics Companies: A Systematic Literature Review
Faisal, Post Graduate Student in Magister Management Program, Faculty of Business and Economic, Universitas Mercu Buana, Jakarta, Indonesia
Lien Herliani Kusumah, Senior Lecturer in Magister of Industrial Engineering Program, Faculty of Engineering, Universitas Mercu Buana, Jakarta, Indonesia

ID 617  Evaluation of Microbus Based Public Transport Services Quality during the Covid-19 Pandemic
Kadek Yadi Maryadi, Civil Engineering Study Program, Faculty of Engineering & Computer Science, Universitas Narotama Surabaya, Indonesia
Wahyudi Sutopo, University Centre of Excellence for Electrical Energy Storage Technology, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
Ahad Ali and Don Reimer, A. Leon Linton Department of Mechanical, Robotics and Industrial Engineering, Lawrence Technological University, Southfield, MI, USA

ID 271  Factors Affecting Employee Performance When Company Adopting Work from Home Policy
Khoirul Amri, Hanura Ilham Sujatmoko, Rafika Luthfi and Anita Maharani, Master Program, Bina Business School, Bina Nusantara University, Jakarta, Indonesia

ID 619  Identification of the Potential Impact of Arfai-Pami Road Construction on the Manokwari District Spatial Planning
Jafri Mohd Rohani, Senior Lecturer, School of Mechanical Engineering, Faculty of Engineering, Universiti Teknologi Malaysia, Skudai, Johor, Indonesia
Wahyudi Sutopo, University Centre of Excellence for Electrical Energy Storage Technology, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
Ahad Ali and Don Reimer, A. Leon Linton Department of Mechanical, Robotics and Industrial Engineering, Lawrence Technological University, Southfield, MI, USA

ID 152  Improving the Quality of Electric Bicycle Production During the Covid-19 Pandemic using the FMEA Method
Yulizan Rizki S.T., Master of Industrial Engineering Student, Faculty of Engineering, Universitas Mercu Buana, Jakarta, Indonesia
Sawarni Hasibuan, Master of Industrial Engineering Program, Faculty of Engineering, Universitas Mercu Buana, Jakarta, Indonesia

ID 760  Method of Operation of a Plough and Tiling Device Designed for Coal Mining
Mpho Cacious Makutu, University of Johannesburg, South Africa

4:00 – 5:45, WEDNESDAY  Maintenance and Manufacturing  Room 5
Session Chair: Nik Nadzirah Nik Mohamed, Razak Faculty of Technology and Informatics, Universiti Teknologi Malaysia, Malaysia

ID 325  Analysis of Continuous Vibration Monitoring on Frequency Domain Using Various Sensors
Nageswaran Ainarappan, Tham Ming Sum and Kanesan Muthusamy, Faculty of Engineering, Technology & Built Environment, UCSI University, Kuala Lumpur, Malaysia

ID 409  Application of Reliability and Root Cause Analysis to Reduce Machine Downtime
Sambudi Hamali, Cindy Loavenia and Tiffany Tanly, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta 11480, Indonesia

ID 615  Determination of Burn-in Period Based on Reliability Target for Product Failure Time with Weibull Distribution
Innah Dominique J. Puertollano and Michelle Joy V. Macapuno, School of Industrial Engineering and Engineering Management, Mapua Institute of Technology, Intramuros, Manila, Philippines
Dr. Ying Che Chien, College of Electrical Engineering and Computer Science, Department of Industrial and Systems Engineering, Chung Yuan Christian University, Chung Li City, Taiwan

ID 193  Determining Synonymy of Risk and Priority in Maintenance Prioritization
Abdul Rani Achmed Abdullah, Siti Zura A Jalil, and Nik Nadzirah Nik Mohamed, Razak Faculty of Technology and Informatics, Universiti Teknologi Malaysia, Malaysia

ID 604  Optimal performance of a stochastic repair and replacement model with imperfect Repairs
Mohammed A. Hajeeh, Techno-Economics Division, Kuwait Institute for Scientific Research, Kuwait

ID 121  Analysis of Efficiency and Productivity using FMEA (Failure Mode Effect Analysis) Method and PDCA (Plan Do Check Action) Method on Bending Machines

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ID 154  Improve Effectivity and Reduce Waste on New Product Development Projects of The Automotive Industry
Muhamad Romi Firdaus and Taufik Roni Sahroni, Industrial Engineering Department, Binus Online Learning, Bina Nusantara University, Jakarta, Indonesia

ID 446  Investigation of Power Factor Improvement for Non Linear Furnace Inverter
Anggita Chandra Pradita, Mochamad Facta and Hermawan, Departement of Electrical Engineering, Faculty of Engineering, Diponegoro University Semarang, Indonesia

4:00 – 5:45, WEDNESDAY  Sustainability and Green Systems  Room 6
Session Chair: Assoc. Prof. Carlos Ignacio Jr. P. Lugay, PIE, PhD, ASEAN ENGINEER, Department of Industrial Engineering, Faculty of Engineering, University of Santo Tomas, Manila, Philippines

ID 309  A Comparative Study of Makeshift Rice Husks Fertilizer and Eggshells Fertilizer to Urea Fertilizer and No Fertilizer on Home-Based Sweet Potato (Ipomoea batatas) Gardening
Ivan Louise Berujo, Joaham Jasmine Colegio, Pauline Concepcion, Andrea Damatac, Assoc. Prof. Carlos Ignacio Jr. P. Lugay, PIE, PhD, ASEAN ENGINEER, Department of Industrial Engineering, Faculty of Engineering, University of Santo Tomas, Manila, Philippines

ID 551  Adaptation Thresholds Method for Developing City's Carrying Capacity Model
Erwina Widjajawati, Directorate of Economy, Employment, and Regional Development Policy, Deputy for Development Policy, National Research and Innovation Agency (BRIN), Jakarta, Indonesia
Anugerah Widiyanto, Directorate of Human Development, Demography, and Culture Policy, Deputy for Development Policy, National Research and Innovation Agency (BRIN), Jakarta, Indonesia

ID 284  Building A Green Closed-Loop Supply Chain – A Case Study in Plastic Injection Industry
Uyen Ngo Thi Thao  International University - Vietnam National University HCM City

ID 336  Electric Vehicle Adoption Factors and an Ecosystem Conceptual Model
Tryono Widisangson, Department of Industrial and Systems Engineering, Faculty of Industrial Technology and Systems Engineering, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia
Research Center for Sustainable Production System and Life Cycle Assessment, National Research and Innovation Agency, South Tangerang, Indonesia
Udisuubakti Ciptomulyono and Budisantoso Wirjodirdjo, Department of Industrial and Systems Engineering, Faculty of Industrial Technology and Systems Engineering, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia
Andhika Prastawa, Research Center for Energy Conversion and Conservation, National Research and Innovation Agency, South Tangerang, Indonesia

ID 78  Integration of Life Cycle Sustainability Assessment and Material Circularity Indicator for Circular Business: Case Study of Company XYZ Jakarta
Brigitta Ancelina, Amelia Santoso, and Joniarto Parung, Industrial Engineering Department, Faculty of Engineering, Universitas Surabaya Surabaya, Indonesia

ID 557  Sustainable Development or Greenwashing: The Phenomenon of Corporate Social Responsibility (CSR) in Banking in Indonesia
Maylia Pramono Sari and Agus Wahyuvin, Faculty of Economic, Universitas Negeri Semarang, Semarang, Indonesia
Surya Raharja, Faculty of Economic and Business, Universitas Diponegoro, Semarang, Indonesia
Nanik Sri Utaminingsih, Faculty of Economic, Universitas Negeri Semarang, Semarang, Indonesia
Risanda A Budiantoro, Faculty of Economic, Universitas Negeri Semarang, Semarang, Indonesia
Monica Rahardian Ary Helmina, Faculty of Economics and Business, Lambung Mangkurat University, Banjarmasin Indonesia

ID 750  The Effect of Enterprise Risk Management Disclosure, Tax Avoidance, and Carbon Emission Disclosure on Corporate Value
Labibah Hanifah and Cahyaningsih, Faculty of Economic and Business, Telkom University, Bandung, Indonesia

ID 738  The Influence of Institutional Ownership, Liquidity, and Risk Minimization on Corporate Social Responsibility Disclosure
Cahyaningsih and Fiska Dela Mustapa, School of Economics and Business, Telkom University, Bandung, West Java, Indonesia

4:00 – 5:45, WEDNESDAY  BM  Room 7
Session Chair: Rizki Amalia Elifita, Lecturer, Universitas Nahdlatul Ulama Surabaya, Faculty of Economic Business and Digital Technology, Universitas Nahdlatul Ulama Surabaya, Surabaya, East Java, Indonesia

ID 159  Ecotourism Village Recognition Strategy Using Tourism Production Function Development Model And 5w+1h Approach
Brahmastya Artanto, Undergraduate of Industrial Engineering, Faculty of Engineering, Sebelas Maret University Surakarta, Indonesia
Ronin Zakaria Raung and Fakhrina Fahma, Staff of Industrial Engineering, Faculty of Engineering, Sebelas Maret University Surakarta, Indonesia

ID 736  e-HRM Adoption with Job Tenure, Gender, and Corona Fear as Moderating Variables Using UTAUT-1
Dodie Tricahyono, Yuvie Permatasari and Dian Indiyati, Faculty of Management and Business, Telkom University, Indonesia

ID 101  Employee Performance Analysis at a Natural Gas Distribution Company
Haryadi Sarjono, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

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ID 60 Enhancing Job Satisfaction and Organizational Citizenship Behavior of Interns in Indonesia
Syahdila Gunawan, Irawati Napitupulu, Gloria Ferina Leiwakabessy and Abdul Rohman, Binus Business School-Master Program, Bina Nusantara University, Jakarta, Indonesia

ID 508 Entrepreneurial Orientation and Business Sustainability of Indonesian Start-ups: Does Innovation Performance Matter as a Mediating Factor?
Desman Hidayat, BINUS Entrepreneurship Center, Management Department, Bina Nusantara University, Jakarta, Indonesia
Alvin Santoso, Danu Rahardja Singgih, and Okta Prihatma Bayu Putra, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia
Christian Haposan Pangaribuan, Faculty of Business, Sampoerna University, Jakarta, Indonesia

ID 562 Environmental Uncertainty, Innovation Efficiency, and Firm Performance: An Integrative Framework for Contingency Theory Approach
Rizki Amalia Elfita, Lecturer, Universitas Nahdlatul Ulama Surabaya, Faculty of Economic Business and Digital Technology, Universitas Nahdlatul Ulama Surabaya, Surabaya, East Java, Indonesia
Triyononati, Senior Lecturer, Sekolah Tinggi Ilmu Ekonomi Indonesia, Faculty of Management, Sekolah Tinggi Ilmu Ekonomi Indonesia, Surabaya, East Java, Indonesia
Heni Agustina, Lecturer, Universitas Nahdlatul Ulama Surabaya, Faculty of Economic Business and Digital Technology, Universitas Nahdlatul Ulama Surabaya, Surabaya, East Java, Indonesia

ID 415 Examining the Relationship Between Electronic Word of Mouth, Consumer Ethnocentrism, Brand Equity Towards Children’s Local Fashion
Dr. Drs. Agustinus Dedy Handrimurtjahjo, M.B.M, Yunita Wijaya Handranata, B.Eng., M.M and Wangsa Ayu Prasanti Loka, Business Creation Department, Bina Nusantara University, Alam Sutera, Tangerang, Indonesia

September 14 (WEDNESDAY) - Session: 6:00 – 8:30 pm

6:00 – 8:30 pm, WEDNESDAY Renewable Energy Panel Room 1

Panel Chair
Fitra Lestari, BEng, MEng, PhD
Associate Professor
Head of Department
Industrial Engineering Department
UIN Sultan Syarif Kasim
Riau, Indonesia

Panel Speaker I
Dr. Kunaifi, ST., PgDipEnSt., M.Sc.
Founding and Board Member Of Energy Research Group (ENREACH)
UIN Sultan Syarif Kasim
Indonesia

Panel Speaker II:
Dr. Kamia Handayani
Vice President of Climate Change and Safeguard VPN
Jakarta, Indonesia

Panel Speaker III:
Dr. Cihan Gercelk
Saxion University of Applied Sciences
The Netherlands

Panel Speaker IV:
Susanne Wolf
Frankfurt, Germany

Panel Speaker V:
Dr. Ichsan
Sustainability Advisor
Embassy of the Kingdom of the Netherlands
Jakarta, Indonesia
# IEOM Malaysia Conference

## PARALLEL SESSIONS

### September 13-15, 2022

### 6:00 – 8:30 pm, WEDNESDAY

**Industry Solutions III**

**Room 2**

**Session Chair:**

### 6:00 – 7:45 pm, WEDNESDAY

**Undergraduate Student Paper Competition**

**Room 3**

**Session Chair and Judge:**

- Mr. Khidzir Bin Zakaria, Universiti Teknologi Malaysia
- Ts. Zulkepi Bin Haji Muhammad, Universiti Teknologi Malaysia
- Fitra Lestari, Ph.D., Head of Industrial Engineering Study Programme, UIN Sultan Syarif Kasim, Indonesia
- Dr. Muhd Hisjam, Universitas Sebelas Maret, Surakarta, Indonesia

**ID 173** Prediction of Raw Material Purchases using The Weight Moving Average and Double Exponential Smoothing Methods at CV.

Sukes Yuta Putra

Marfiari Asabella Ananda Putri, Tacbir Hendro Pudijantoro and Asip Id Hadiana, Informatic Department, Universitas Jendral Achmad Yani Cimahi, Indonesia

**ID 565** Production model based on Lean Manufacturing and BPM to reduce the rate of returns in SMEs of garment printing

Jhoiser Luis Carrasco-Sayas and Josselyn Carol Alvaredo-Garay, Facultad de Ingeniería y Arquitectura, Universidad de Lima, Perú

Juan Carlos Quiroz-Flores, Alberto Flores-Pérez and Martín Collao-Díaz, Research Professors, Facultad de ingeniería y Arquitectura, Universidad de Lima, Perú

**ID 685** Productivity Analysis of Bulk Carrier Ship using American Productivity Center Method (APC) for Optimization

Shipping Company in Surabaya, Indonesia

Ibra Aditya Rosyandaru, Yugoawati Prahasri and Ristanti Akseptori, Business Management Department, Shipbuilding Institute of Polytechnic Surabaya, Surabaya, Indonesia

**ID 326** Quality Control Analysis Using the Grey Failure Mode and Effect Analysis Method on an Electric Batik Stove (Case Study: CV. ABC)

Isnaini Khasanah and Ira Setyaningsih, Industrial Engineering Department, UIN Sunan Kalijaga Yogyakarta, Yogyakarta, Indonesia

**ID 316** Regulation of Conflict of Interest Transaction and Implications for the Position of Independent Shareholders in the Indonesian Capital market

Agus Riyanto, Lecturer, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

Anggun Dwi Marella, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

Abdul Rozyid, Lecturer, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

**ID 373** Legal Regulation of Illegal Fishing Crimes What Is Done in Indonesia's Exclusive Economic Zone (Eez)

Safira Auliya, Faculty of Humanities, Universiti Bina Nusantara, Jakarta, Indonesia

**ID 458** Temperature controls for plastic injection machine based on PID controller

David Oenjoyo and Sofyan Tan, Automotive & Robotics Engineering, BINUS ASO School of Engineering, Bina Nusantara University, Indonesia

Ford Lumban Gaol, Benfano Soewito and Harco Leslie Hendric Spits Warnars, Computer Science Department, BINUS Graduate Program, Doctor of Computer Science, Bina Nusantara University, JI. Kebon Jeruk Raya No. 27, Kebon Jeruk, Jakarta Barat, DKI Jakarta

**ID 759** Development of a conceptual model for performance evaluation of Circular Supply Chains

Ben Ruben Sri Krishna College of Engineering and Technology India

### 6:00 – 7:45 pm, WEDNESDAY

**Master Thesis Competition**

**Room 4**

**Session Chair and Judge:**

- Dr. Eko Pulyanto, S.Si, MT Head of Master Program in Industrial Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
- Associate Professor Dr. Aini Zuhra Binti Abdul Kadir Universiti Teknologi, Malaysia
- Associate Professor Dr. Syed Ahmad Helmi Bin Syed Hassan, Universiti Teknologi Malaysia

**ID 648** Investigating the Factors That Contribute to the Implementation of Business Intelligence in Non-Profit Organizations: A Case Study of Non-Profit Organization in Cianjur, Indonesia

Via Vidy, Telkom University of Industrial Engineering, Bandung, Indonesia

**ID 320** Occupational Health and Safety Risk Identification and Analysis of Warehouse in Distribution Sector post pandemi Covid-19

Amalia Ardiana, Master of Industrial Engineering Student, Faculty of Engineering, Universitas Mercu Buana, Jakarta, Indonesia

Sawarni Hasibuan, Master of Industrial Engineering Program, Faculty of Engineering, Universitas Mercu Buana, Jakarta, Indonesia

**ID 306** Preliminary Study of Fashion Enthusiasts Point of View on the role of Artificial Intelligence to Their Purchase Intention

Angelina, Ryan Sebastian, Anna Novita and Anita Maharani, Master Program, Binus Business School, Bina Nusantara University, Jakarta, Indonesia

**ID 599** Selection of the Best Supplier Criteria with the Analytical Hierarchy Process Method in the Construction Services Industry

Irfin Satriawan and Sawarni Hasibuan, Master of Industrial Engineering, Faculty of Engineering, Universitas Mercu Buana, Indonesia

**ID 252** The Influence of Employee Perceived CSR on Job Performance: through the mediation of Job Satisfaction and Employee Engagement

Stefanny Lie, Muhammad Yasin, Sergio Ambhara Soerjanto and Tengku Mohd. Khairal Abdullah, Business Management Program, Management Department, Binus Business School Master Program, Bina Nusantara University, Jakarta, Indonesia
<table>
<thead>
<tr>
<th>ID 662</th>
<th>The Influence of Financial Literacy, Risk Aversion, and Persuasion on Insurance Demand</th>
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<tr>
<td>Dwije Maharani, Merry Indra Cahyanti, Syahrizal Dwinata and Yuli Eni, BINUS Business School, Bina Nusantara University, Jakarta, Indonesia</td>
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<th>ID 520</th>
<th>User Acceptance Analysis on Telecounseling App</th>
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<td>Azizah Anun Fitriani, Masters of Management Study Program, Faculty of Economy and Business, Telkom University, Bandung, Indonesia Maya Ariyanti, Lecturer at Masters of Management, Faculty of Economy and Business, Telkom University, Bandung, Indonesia Heppy Millanyani, Lecturer at Masters of Management, Faculty of Economy and Business, Telkom University, Bandung, Indonesia</td>
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<tr>
<th>ID 756</th>
<th>Plough Scraper and Tilting Device on Conveyor Belts</th>
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<tr>
<td>Mpho Cacious Makutu, University of Johannesburg, South Africa</td>
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### 6:00 – 7:45 pm, WEDNESDAY

**Room 5**

**Session Chair:** Dr. Sukhada Bhingarkar, Faculty, MIT WPU, Dr. Vishwanath Karad MIT World Peace University, Pune, India

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<tr>
<th>ID 379</th>
<th>Analysis of Japanese-Indonesian Translation Using Machine Translation</th>
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<tr>
<td>Yuwan Prananta Mulyadi, Japanese Literature Department, Faculty of Humanities, Bina Nusantara University, West Jakarta, DKI Jakarta, Indonesia Elisa Carolina Marion, Japanese Literature Department, Faculty of Humanities, Bina Nusantara University, West Jakarta, DKI Jakarta, Indonesia</td>
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<tr>
<th>ID 377</th>
<th>Analysis of Onomatopoeia Translation Result on &quot;Komi Can't Communicate&quot; Comic Using Machine Translation</th>
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<tr>
<td>Richard Reenald and Elisa Carolina Marion, Japanese Literature Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia</td>
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<th>Exploring Concept Drift in Technology by Tweets Mining</th>
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<tr>
<td>Mohamad NACI, Department of Industrial Engineering, Gaziantep University, Gaziantep, Turkey Alptekin DURMUSOGLU, Associate Professor, Department of Industrial Engineering, Gaziantep University, Gaziantep, Turkey</td>
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<th>ID 548</th>
<th>GANs for Generation of Synthetic Medical Images</th>
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<tr>
<td>Rita Shinde, M. Tech Student, Dr. Vishwanath Karad MIT World Peace University, Pune, India Dr. Vrushali Y. Kulkarni, Professor and Head, MIT WPU, Dr. Vishwanath Karad MIT World Peace University, Pune, India</td>
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<th>ID 639</th>
<th>Prediction of Heart Related Disease implemented through Hyperparameter tuning and Deep Learning</th>
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<td>Jonathan Marcios Jose E. Caracellant Jr., Philippines</td>
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<th>ID 549</th>
<th>Wise Investor - Predicting Stock Market Using Enhanced Deep Learning</th>
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<tr>
<td>Ashutosh Deshpande, M. Tech Student, Dr. Vishwanath Karad MIT World Peace University, Pune, India Dr. Sukhada Bhingarkar, Faculty, MIT WPU, Dr. Vishwanath Karad MIT World Peace University, Pune, India</td>
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### 6:00 – 7:45 pm, WEDNESDAY

**Room 6**

**Session Chair:** Abu Yazid Abu Bakar, Faculty of Education, Universiti Kebangsaan Malaysia, Malaysia

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<th>Artificial Intelligence: Implementation in Legal Services (Comparative Study on China, United Stated and Indonesia)</th>
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<tr>
<td>Precia Jacey and Siti Yuniar, Business Law Program, Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia</td>
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<tr>
<th>ID 601</th>
<th>Can Teacher Wellbeing Improve Teacher's Quality of Work Life</th>
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<tr>
<td>Sasmoko, Primary Teacher Education Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia Yasinta Indrianti, Entrepreneurship Department, Universitas Agung Podomoro, Jakarta, Indonesia Abu Yazid Abu Bakar, Faculty of Education, Universiti Kebangsaan Malaysia, Malaysia</td>
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<th>ID 602</th>
<th>Entrepreneurial Mindfulness Website: Building a Responsive Application</th>
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<tr>
<td>Sasmoko, Primary Teacher Education Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia Yasinta Indrianti, Entrepreneurship Department, Universitas Agung Podomoro, Jakarta, Indonesia Nor Fadila Mohamed Amin, Technical and Engineering Department, Universiti Teknologi Malaysia, Johor Bahru, Malaysia</td>
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<th>ID 566</th>
<th>Home automation system for the comfort of a modern building in Covid-19 era</th>
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<tr>
<td>Jenifer Bustamante-Gonzales, Hugo Eladio Chumpitaz-Caycho and Franklin Cordova-Buiza, Universidad Privada del Norte, Lima, Peru</td>
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<th>ID 281</th>
<th>International Labour Law Perspectives on the Metaverse</th>
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<tr>
<td>Muhammad Reza Syariffudin Zaki and Paulus Aluk Fadjar Dwi Santo, Lecturer, Business Law Department, Faculty of Humanities, Bina Nusantara University, Indonesia, Jakarta, Indonesia Hendra, Undergraduate Program Students Law Department, Faculty of Humanities, Bina Nusantara University, Indonesia, Jakarta, Indonesia</td>
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<th>ID 191</th>
<th>Multimodal Communication of internet readers, producers and publishers in the Age of New Media</th>
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<tr>
<td>Muhammad Hasyim and Burhanuddin Arafah, Hasanuddin University, Indonesia</td>
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### 6:00 – 7:45 pm, WEDNESDAY

**Room 7**

**Session Chair:** Lilibeth Timbol-Cuison, Doctor of Information Technology, Graduate School, Angeles University Foundation, Angeles City, Philippines

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<th>ID 511</th>
<th>Adoption of Technology Capability Through Export and Foreign Ownership to Improve Firm Productivity: A Systematic Literature Review</th>
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<tr>
<td>Jabal Iman Soemaatmadja and Noerlina, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia</td>
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© IEOM Society International
ID 348  Bank Secrecy as a Form of Legal Protection of Customer Personal Data in E-Banking Services  
Vivian and Abdul Rasyid, Business Law Program, Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 492  Building Younger Generations’ Competency in Digital Age Through Experiential Learning Programs for Higher Education  
Christie Nugroho and Noerlina, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia

ID 342  Development of an E-learning Platform Utilizing Virtual DOM and Base64 to Limit Internet Data Charges Incurred for the Department of Education Region III, Division of Pampanga  
Adriane Brent S. Castro and Lilibeth Timbol-Cuison, Doctor of Information Technology, Graduate School, Angeles University Foundation, Angeles City, Philippines

ID 203  Disaster Management Mitigation Using Geofencing Concepts in West Bandung Regency, Indonesia  
Nurul Innayah Hakim and Faiza Renaldi, Asep Id Hadiana, Department of Informatics, Universitas Jenderal Achmad Yani, West Java, Cimahi, Indonesia

ID 501  Factors that Drive the Adoption of Telemedicine in Older People  
Valentina Mancilla Fernández, Faculty of Economy and Management, Universidad Católica del Norte, Antofagasta, Chile

ID 489  Mobile Application Implementation as Agriculture 4.0 Strategy for Sugarcane Yield Prediction  
Hangger Gahara Mawandha, Faculty of Agricultural Technology, Institut Pertanian Stiper, Yogyakarta, Indonesia

ID 516  The Effect of Indonesian Government’s Communication Strategy During the Implementation of Emergency Public Activity Restriction on the Compliance Health Protocols in East Java  
Adinda Widya Pasugitaningtiyas and Frederik Masri Gasas, Communication Science Department, Faculty of Digital Communication and Hotel & Tourism, Bina Nusantara University, Jakarta, Indonesia

ID 212  The Use of Synchronization Technology on The Effort of Minimizing Medication Non-Adherence  
Alfan Faturahman Gifary, Department of Informatics, Universitas Jenderal Achmad Yani, West Java, Cimahi, Indonesia

ID 482  Tracking Javanese Cultural Heritage through Augmented Reality and its Implications in Indonesian Language for Foreign Speakers (BIPA) Learning  
Pandu Meidian Pratama, Language Center, Computer Science Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 314  Development and Validating of Measuring Tools in Occupational, Safety and Health (OSH) Culture  
Nur Laila Nabilah Binti Mohamad Naser, School of Mechanical Engineering, Faculty of Engineering, Universiti Teknologi Malaysia, Skudai, Johor, Malaysia

ID 76  Analysis of The Implementation of The Scrum Framework for OHS Performance and Completion of The Semarang-Demak Toll Road Construction with A System Dynamic Approach  
Adilthy Sudiarso and Okto Abdillah, Department of Industrial and Systems Engineering, Faculty of Industrial Technology and Systems Engineering Institut Teknologi Sepuluh Nopember (ITS), ITS Campus, Kupang, Surabaya, Indonesia

ID 526  Development of Big Five Personality Traits Moderation That Affecting Safety Leadership, Safety Knowledge and Safety Culture on Safety Performance Models to Reduce Accidents in The Chemical Industry  
Mega Cattleya Prameswari Anissa Islami and Adilthy Sudiarso, Industrial Engineering Department, Faculty of Engineering, Universitas Pembangunan Nasional Veteran Jawa Timur, Surabaya, Indonesia

ID 623  Investigating fatal injury rates: A case study of workers in agriculture, forestry, and fishing in Malaysia  
Abderrahim ZERMANE Universiti Putra Malaysia

ID 29  Priority in Safety Management System Using Decision Tree Technique  
Liew Meena, Kanesaw Muthusamy, Elango Natarajan and Nagesparan Ainarappan, Faculty of Engineering, Technology and Built environment, UCSI University, Cheras, Kuala Lumpur, Malaysia

ID 323  Priority in Safety Management System Using Decision-Tree Technique  
Francisco Javier Rondán-Cataluña, Professor of Marketing, Business Administration and Marketing Department, Universidad de Sevilla, Spain

8:00 – 9:30 pm, WEDNESDAY

8:00 – 9:30 pm, WEDNESDAY  Occupational Safety and Health (OSH)  Room 1

Session Chair: Nur Laila Nabilah Binti Mohamad Naser, School of Mechanical Engineering, Faculty of Engineering, Universiti Teknologi Malaysia, Skudai, Johor, Malaysia

ID 76  Analysis of The Implementation of The Scrum Framework for OHS Performance and Completion of The Semarang-Demak Toll Road Construction with A System Dynamic Approach  
Adilthy Sudiarso and Okto Abdillah, Department of Industrial and Systems Engineering, Faculty of Industrial Technology and Systems Engineering Institut Teknologi Sepuluh Nopember (ITS), ITS Campus, Kupang, Surabaya, Indonesia

ID 314  Development and Validating of Measuring Tools in Occupational, Safety and Health (OSH) Culture  
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Francisco Javier Rondán-Cataluña, Professor of Marketing, Business Administration and Marketing Department, Universidad de Sevilla, Spain

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ID 8  Reliability Analysis of Covid-19 Risk Management System in Malaysia Higher Learning Institution
Khairil Anuar Abdul Hamid, Senior Teaching Engineer, Centre for Design and Innovation of Technology (PRInT), Industrial Technology Engineering Creativity Space, Universiti Malaysia Pahang, Pekan, Pahang, Malaysia
Ezrin Hani Sukadarin and Mirta Widia, Occupational Safety and Health Program, Faculty of Industrial Sciences and Technology (FIST), Universiti Malaysia Pahang, Kuantan, Pahang, Malaysia

ID 420  Reviewing Occupational Health and Safety in Recent Indonesian Film Industry
Ekky Imanjaya and Servo C Prayoga, Lecturers, Film Study Program, School of Design, Bina Nusantara University, Jakarta, Indonesia
Cynthia MF Pangabean, Independent scholar, Jakarta, Indonesia

ID 612  Utilization of EMG Signals Using Bitalino for Post Stroke Patients in Mapping Characteristics of Flexor Carpi Radialis Muscle
Agung Pamungkas, Lobes Herdiman and Susy Susmartini, Master of Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

8:00 – 9:30 pm, WEDNESDAY  Room 2

Session Chair: Aldy Kurniawan, Production System Laboratory, Industrial Engineering Department, Faculty of Engineering, Universitas Sultan Ageng Tirtayasa, Indonesia

ID 590  Digitalization of Interior Materials as Sustainable Learning Process to Enrich Students’ Material Knowledge
Anak Agung Ayu Wulandari, Siti Chadija and Ulili Aulia Ruki, Interior Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia
Agnes Paulina Gunawan, Visual Communication Design, School of Design, Bina Nusantara University, Jakarta, Indonesia

ID 483  Eden Eternal: Game Based on Candi Prambanan Indonesian Folklore
Maria Seraphina Astriani and Christopher Turman, Computer Science Department, Faculty of Computing and Media, Bina Nusantara University Jakarta, Indonesia

ID 70  Gamification of STEM-based Evaluation Software on Online Learning for Elementary School Students
Tania Nafisya, Faiza Renaldi and Irma Santikarama, Department of Informatics, Universitas Jenderal Achmad Yan, Cimahi, Indonesia

ID 89  Habit Tracker Gamification Software Development in Community-Based Daily Personal Hygiene Using Octalysis Framework
Azwar Tri Endrayadi, Rezki Yuniarti and Faiza Renaldi, Department of Informatics, Universitas Jenderal Achmad Yan, Cimahi, Indonesia

ID 505  Immersive Technology Study As A Science Innovation to Enhance Modern Dining Experience
Poniwati Salim, Interior Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia

ID 108  Implementation of Smart Home Technology in Notary Office to Enhance Client Trust
Aditya Zaidan Falah, Andi Pramono, Elizabeth Phoebe Jeadi and Lucretia Jessica Miranda Setiawan, Interior Design Department, School of Design Bina Nusantara University, Jakarta, Indonesia

ID 591  Implementing Zero Waste Pattern Cutting for Sustainable Fashion Collection
Grasheli Kusuma Andhini, Ratna Dewi Paramita and Janyfer, Fashion Design, Product Design Department, BINUS Northumbria School of Design, Bina Nusantara University, Jakarta, Indonesia

ID 69  Improving Knowledge of COVID-19 for Elementary School Students using Gamified Software
Zaki Tifani Fauzan, Faiza Renaldi and Irma Santikarama, Department of Informatics, Faculty of Science and Informatics, Universitas Jenderal Achmad Yan, Cimahi, Indonesia

ID 740  Integrated eco-design and ergonomic innovation into product design and development
Yusraini Muharni, Lecturer, Manufacturing System Community, Industrial Engineering Department, Faculty of Engineering, Universitas Sultan Ageng Tirtayasa, Indonesia, Banten, Indonesia
Alfy Kurniawan, Production System Laboratory, Industrial Engineering Department, Faculty of Engineering, Universitas Sultan Ageng Tirtayasa, Indonesia
Lovy Lady, Lecturer, Ergonomic and work system engineering Community, Industrial Engineering Department, Faculty of Engineering, Universitas Sultan Ageng Tirtayasa, Indonesia, Banten, Indonesia
Hartono, Electrical Engineering Department, Faculty of Engineering, Universitas Sultan Ageng Tirtayasa, Indonesia, Banten, Indonesia

ID 491  Smart Mechanical Ventilation and Artificial Lighting Implementation in the Restroom for Energy Efficiency
Andi Pramono and Tiara Ika Widia Primadani, Interior Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia
M. Aldiki Febriantono, Computer Science Department, School of Computer Science, Bina Nusantara University, Jakarta, Indonesia

ID 151  Strategy to Improve New Product Using Quality Function Deployment and Importance Performance Analysis
Ari Ditio B, Linda Theresia, Yasmin Maulidinda and Yenny Widiyanto, Industrial Engineering Department, Institut Teknologi Indonesia, Indonesia

ID 578  Utilization of Virtual Reality Tours as Educational Media Introduction of “Bayt Al Qur’an and the Istiqlal Museum” for Students After the COVID 19 Pandemic
Suprayitno Sutoyo, R.A. Diah Resita I.K.J. and M. Imam Tobroni, New Media Program, Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia
Session Chair: N. Sukdeo, Department of Operations and Quality Management, Faculty of Engineering and the Built Environment, University of Johannesburg, South Africa

ID 313 The Urgency of Nominee Registration in The Capital Market (Comparative Study: United States of America)  
Agus Riyanto, Lecturer, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia  
Anita Putri Kinanti, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia  
Abdul Rashid, Lecturer, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 586 To Shoot or Not to Shoot: Health protocols in Indonesian Film Industry Thriving Sustainable Business during Pandemic  
Ekky Imanjaya, Film Department, School of Design, Bina Nusantara University, Jakarta, Indonesia  
Rosidah, Global Business Marketing Program, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

ID 507 Understanding Factors Affecting Investment Decision-Making During Pandemic  
Evelyn and Jossenia Widyanto, Finance Program, Accounting Department, School of Accounting, Bina Nusantara University, Jakarta, Indonesia  
Setiani Putri Hendratno, Accounting Department, School of Accounting, Bina Nusantara University, Jakarta, Indonesia

ID 635 Work-Life Balance in Practitizing Women Engineers as a Strategic Human Resources Initiative  
M. M. Manyuchi, Department of Operations and Quality Management, Faculty of Engineering and the Built Environment, University of Johannesburg, South Africa  
R. Rusike, Graduate School of Business Management, Bindura University of Science Education, Zimbabwe  
T. N. Mutusva, Department of Mathematical Sciences, Harare Institute of Technology, Zimbabwe  
N. Sukdeo, Department of Operations and Quality Management, Faculty of Engineering and the Built Environment, University of Johannesburg, South Africa

ID 517 The Non-Observed Economy in Morocco: Estimation, Evolution and Analysis  
El Aida Kawtar, PhD Student, Faculty of law, Economics and Social Sciences of Mohammedia (FSJESM), Hassan II University, Morocco  
Fettahi Ithri, University Professor, Faculty of law, Economics and Social Sciences of Mohammedia (FSJESM), Hassan II University, Morocco

ID 251 The Role of Cross Culture Knowledge at Work  
Jureynolds Jureynolds, Bina Nusantara University

ID 249 Transforming Indonesia Chinese descendants in Indonesia cultural features into modern product design: A case study of a cross-cultural product design model  
Jureynolds Jureynolds, Bina Nusantara University

8:00 – 9:30 pm, WEDNESDAY  Case Studies  Room 4

Session Chair: Erwin Halim, Bina Nusantara University

ID 485 University Student’s Tendency of Social Stigma Towards Coronavirus Disease in Digital Society (Indonesia and Japan)  
Fakhira Azzumarni Sari, Ryan Anders Liu, and Utari Novella, Japanese Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia  
Hibiki Morishita, Department of Economics, Wakayama University, Sakaedani, Wakayama  
Ichiro Fujiyama, International Relations Division, Wakayama University, Sakaedani, Wakayama

ID 229 “Use of The Scrumban Methodology To Improve The Efficiency Of Financial Planning In Business Management: Bibliometric Analysis (2015-2021)”  
Pala Hidalgo Julio Enrique, Vizconde Orellana Enzo Francesco and Garcia-Lopez Yvan Jesus, Carrera de Ingeniería Industrial, Universidad de Lima, Lima, Peru

ID 587 Gender Sensitive Policies during COVID-19: Experience from Asia  
Rupa Nanda and Ella Prihatini, International Relations Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 495 Indonesian Female Ambassadors and Twiplomacy  
Yosi Widuri and Ella S. Prihatini, International Relations Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 496 Social Construct of Online Gender-Based Violence in Mainstream and Special Media in the Era of the COVID-19 Pandemic  
Mungky Diana Sari, Vivien Sylvia, and Ebnu Yufriadi, Mass Communication Program, Communication Department, Faculty of Digital Communication and Hotel & Tourism, Bina Nusantara University, Jakarta, Indonesia  
Widya Putri Pangestika, Marketing Communication Program, Communication Department, Faculty of Digital Communication and Hotel & Tourism, Bina Nusantara University, Jakarta, Indonesia

ID 733 The Impact of Human Capital on Digital Literacy Index  
Erwin Halim, Bina Nusantara University

ID 305 Analysis of The Effect of Web Design Quality, Sales Promotion, Order Fulfillment on Repurchase Intention with Customer Satisfaction as Mediating Variable on E-Commerce Marketplace Users in Jabodetabek  
Samuel Febrian and Shelvy Kurniawan, Management Department, Bina Nusantara University, Jakarta, Indonesia  
Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia
Session Chair: Muhammad Hidayatullah. BINUS University

ID 737  The Impact of Human Capital on Digital Literacy Index
Erwin Halim, Mumtaz Nur Fitriani, Yohannes Kurniawan and Hari Setiabudi Husni, Information System Department, School Of Information System Bina Nusantara University, Jakarta, Indonesia

ID 177  The Implementation of Eco-Friendly Packaging Design for Cafetaria
Bobby Sugiharto and Yudhistya Ayu Kusumawati, Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia
Lasmy, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia
Elizabeth Paskahlia Gunawan, Computer Science Department, School of Computer Science, Bina Nusantara University, Jakarta, Indonesia

ID 725  The Implication of e-Service Quality to Customer Satisfaction on Behavioral Intention in Pension Funds Digitalization Services
Muhammad Hidayatullah and Irka Oktavini B. Malidje, Management Department, BINUS Business School Master of Management, Bina Nusantara University, Jakarta, Indonesia
Rano Kartono, Management Department, BINUS Business School Doctor of Research in Management, Bina Nusantara University, Jakarta, Indonesia

ID 360  The Influence of Korean Brand Ambassador on Hedonic Shopping Motivation moderated by Fanaticism toward Impulsive Buying Behavior in E-commerce
Ardillah Umar, Rut Liesl, Nicholas Himawan and Faranita Mustikasari, Business Management Program, Management Department, BINUS Business School Master Program, Bina Nusantara University, Jakarta, Indonesia

ID 333  The Influence of Trust to Digital Influencer and Digital Advertising Capabilities on Consumers Attitude toward Digital Advertising in COVID-19 Pandemic
Ignatius Enda Panggali, Binus Business School, Binus University, Jakarta, Indonesia
Sasmoko, Boto Simatupang and Sri Bramantoro Abdinagoro, Doctor of Research in Management, Binus University, Jakarta, Indonesia

ID 728  The Influence of Trust, Message Content, and Recommendation on e-WOM Credibility and Its Impact on Purchase Intentions in e-Marketplace
Dewi Mukhiisoh, Nelsy C. Selena, Matthew M. Siga and Dr. Evi Rinawati Simanjuntak, M.M., Business Management, School of Magister Management, Binus University, Jakarta, Indonesia

ID 19  The Mediating Role of Attitudes toward Usage on Consumers’ Intention to Use the Traveloka (E-Commerce) Pay Later Application
Amelia Larasati Wijaya, Dean Fadhurohman Hafizh, Frans David Ginola Damanik and Nur Damayanti, Binus Business School Master Program Bina Nusantara University, Jakarta, Indonesia

ID 640  The Role of System User Training and Personal Technical Skills to Improve Accounting Information System Performance
Cahyaningsih Cahyaningsih and Adinda Lestari Siregar, Faculty of Economics and Businessness, Bandung - Telkom University, Indonesia

ID 647  The Role of Work Experience and User Capabilities in Improving Accounting Information Systems Effectiveness
Cahyaningsih Cahyaningsih and Fahmi Numralitasri, Faculty of Economics and Businessness, Bandung – Telkom University, Indonesia

ID 735  Use of Social Media through Digital Content Short Video for Advertising by Influencers or Brand Ambassadors
Erwin Halim, Natasha Anugrah Roito Noverya, Yohannes Kurniawan and Lianna Sugandi, Information System Department, School of Information System, Bina Nusantara University, Jakarta, Indonesia

ID 176  Visual Concept of User Interface Design for Depression Treatment Mobile Apps
Ardin Khairisma Wibowo and Yudhistya Ayu Kusumawati, Visual Communication Design Department, School of Design, Bina Nusantara University Jakarta, Indonesia

ID 258  The Entrepreneurial Transformation Assessment: Case Study in a Private University in Indonesia
Selly Novela, Management Program, Binus Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

ID 82  The Impacts of Successful Entrepreneurial Stories on Ideas Generation
Puji Prabowo, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

ID 359  The Portrait of Entrepreneurial Orientation Among Women Entrepreneurs in Greater Jakarta: A Rasch Model Approach
Banu Rinaldi, Senior Lecturer, Business Creation Program, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia
Maria Grace Herlina, Senior Lecturer, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University Jakarta, Indonesia

ID 59  Integration of Smart Logistic and Crowd-shipping for Sustainable City Logistic
Christopher Hendra Setiawan and Amelia Santoso, Industrial engineering Department, Faculty of Engineering, Universitas Surabaya, Indonesia

ID 772  Verbal Abuse and Gender Discrimination in a Work Environment (Semiotics Analysis of Short Film 'Please be Quiet')
Melisa Nurfadila, Student, Communication Science Department, Faculty of Digital Communication and Hotel & Tourism, Bina Nusantara University, Jakarta, Indonesia
Frederik Masri Gasa, Lecturer, Communication Science Department, Faculty of Digital Communication and Hotel & Tourism, Bina Nusantara University, Jakarta, Indonesia

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8:00 – 9:30 pm, WEDNESDAY  
OM  
Room 7  

Session Chair:  

**ID 753** Building Agile Marketing Operations in the context of the online platforms of Moroccan universities  
Abdelkhalek BAKHTI, PhD Student, Professor Saida Filali, Ph.D. and Professor Mohammed Erramdani, High School of Technology, Med First University, Morocco  

**ID 754** Impact of Power Diversity on Employee Proactivity and Job Performance: Case from Education Counselor Unit in Jakarta's Private University  
Yolanda Lay, Product Design Engineering, Faculty of Engineering, Binus ASO School of Engineering, Jakarta, Indonesia  
Sekar Wulan Prasetyaningtyas, Business Management Master Program Binus Business School, Binus University, Jakarta, Indonesia  

**ID 757** Smart City as a Strategy to Improve the Branding of Enchanting Labuan Bajo Tourist Destinations  
Adhi Murti Citra Amalia H and Gabriella Sagita Putri, Public Relations Department  
Frederik Masri Gasa, Communication Science Department, Faculty of Digital Communication and Hotel & Tourism, Bina Nusantara University, Jakarta, Indonesia  

**ID 758** Recovery Plan Scheme on The Hospitality Industry in Facing the Covid-19 Pandemic  
Nisrin Husna, Anindy Widita, Hera Rachmahani and Ira Audia Agustina, Public Relations Department, Faculty of Digital Communication and Hotel & Tourism, Bina Nusantara University, Jakarta, Indonesia  

**ID 762** YouTube as Capital Battle Arena in the Digital Age (Case Study of Top 10 Youtubers in Indonesia)  
Frederik Masri Gasa and Yanaurita Kusuma Pernata Sari, Lecturer, Communication Science Department, Faculty of Digital Communication and Hotel & Tourism, Bina Nusantara University, Jakarta, Indonesia  
Albert Verasius Dian Sano, Lecturer, Computer Science Department, School of Computer Science, Bina Nusantara University, Jakarta, Indonesia  
Anggeli Shinta Novitasari and Anggreyne Gratia Waney, Student, Communication Science Department, Faculty of Digital Communication and Hotel & Tourism, Bina Nusantara University  

**ID 763** The Use of Government Websites as a Digital Communication Media to Promote Tourism of Manggarai East Nusa Tenggara  
Yanaurita Kusuma Pernata Sari, Frederik Masri Gasa and Bhekti SetyoWibowo, Communication Science Department, Faculty of Digital Communication, Hotel and Tourism, Bina Nusantara University, Jakarta, Indonesia  

**ID 764** The impact of strategic planning for human resources management on banking information technology (fitech) at Abudahbilislamic Bank in United Arab Emirates  
SALIH ALMUHARRAMI Master United Arab Emirates  

**ID 792** Student Perceptions of Blended Learning in Character Building Courses in Higher Education  
Agus Masrukhin, Character Building Development Center, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia  

**September 15 (THURSDAY)**  

**September 15 (THURSDAY) - Session: 8:00 – 9:45 am**  

8:00 – 9:45 am, THURSDAY  
Human Factors and Ergonomics  
Room 1  

Session Chair: Dr. James Louie R. Meneses, College of Engineering, Manuel S. Enverga University Foundation Lucena City, Quezon, Philippines  

**ID 62** Creating a New Motorcycle Seat Design with Sorbothane Insert using MSCQ, QFD and 3D Modelling to Reduce Motorcycle Riding Discomfort and Vibration Exposure  
Trencio, Ryan Neil Da, Tubban, Ian Charl Nico Vb, Quevedo, Venusmar C.c and Enriquez, Noe DT. d, Industrial Engineering Department, College of Engineering, Adamson University, Manila, Philippines  

**ID 95** Design of Masin Maker Based on Work Posture Analysis, Kansei Engineering and Value Engineering  
Iksan Adiasta, Nunul Hudaningisih and Puput Sri Utami, Research Group of Ergonomics, Work System Engineering and HSE, Industrial Engineering Department, Faculty of System Engineering, Sumbawa University of Technology, Sumbawa, Nusa Tenggara Barat, Indonesia  
Sopyan Ali Rohman, Mechanical Engineering Department, Faculty of System Engineering, Sumbawa University of Technology, Sumbawa, Nusa Tenggara Barat, Indonesia  

Dr. James Louie R. Meneses, Engr. Gervin S. Espinosa and Laurence Binasa, College of Engineering, Manuel S. Enverga University Foundation Lucena City, Quezon, Philippines  

**ID 463** Factors Related to Active Learning: Perspective of Learning Technology Development  
Nutnicha Sornlump, Arisara Jiamsanguanwong and Waratta Authayarat, Department of Industrial Engineering, Faculty of Engineering, Chulalongkorn University, Bangkok, Thailand  

**ID 410** How to Gender and Social-Interaction Environment Affect Fraud Perception?
ID 464  **Indonesian Adaptations of Paper-Based Methods and Instruments in Ergonomics: A Literature Review**  
Indah Puspa Murni and Ardiyanto Ardiyanto, Department of Mechanical and Industrial Engineering, Universitas Gadjah Mada, Yogyakarta, Indonesia

ID 402  **Integrated Text Mining and Kansei Engineering Methodology for Excellent Amusement Park Services**  
Markus Hartono, Dina Natalia Prayogo and Feby Juana Candra, Department of Industrial Engineering, Faculty of Engineering, University of Surabaya

8:00 – 9:45 am, THURSDAY  
**Session Chair:** Munawir Yusuf, Doctoral Program in Science Education Sebelas Maret University, Indonesia

**ID 129  Parental Digital Media Habits Correlated with Time Spent on Digital Media among Preschool Children Aged 2-6 Years Old in Semarang City, Indonesia**  
Widy Hary Cahyati and Lukman Fauzi, Public Health Department, Faculty of Sports Science, Universitas Negeri Semarang, Semarang, Indonesia

**ID 134  Potential Influence of Environmental Factors on Distribution of Covid-19 Cases with A Spatial Approach Based Location Quotient (LQ) in Batang Regency, Central Java, Indonesia**  
Heni Isniyati and Mustafa Daru Affandi, Public Health Laboratory, Public Health Department, Faculty of Sports Science, Universitas Negeri Semarang, Indonesia

**ID 137  Prevalence and Risk Factors of Isolated Systolic Hypertension among Diabetes Mellitus Subjects; a national cross-sectional study in Indonesia**  
Mahalul Azam, Fetty Nur Hidayati and Arulita Ika Fibriana, Public Health Science Department, Faculty of Health, IVET University, Indonesia

**ID 125  Red Dragon Fruit Peel Yoghurt Improves Glucose Levels, Lipid Profile and Microbial Activity in Hypercholesterolemic Wistar Rats**  
Natalia Desy Putriningtyas, Mardiana Mardiana and Eko Farida, Nutrition, Public Health Science Department, Faculty of Sports Science, Universitas Negeri Semarang, Indonesia

**ID 127  Social Determinants of HIV and AIDS: A Public Health Perspective**  
Efa Nugroho, Annisa Novanda Maharani Utami, Elvina Dian Nirmala, Rico Novian Yuswantoro and Sifa Ul Janah, Public Health Science Department Faculty of Sports Science, Universitas Negeri Semarang, Indonesia

**ID 128  Social Determinants of Stunting in Indonesia**  
Efa Nugroho, Puput Arisma Wanti, Cahyanis Wulan Suci and Bambang Budi Raharjo, Public Health Science Department, Faculty of Sports Science Universitas Negeri Semarang, Indonesia

**ID 123  Spatial Analysis of Lymphatic Filariasis Case and Mosquito Resting Place in Rural Area of Brebes Regency, Indonesia**  
Arum Siwiendrayanti, Eram Tunggul Pawenang, Yuni Wijayanti and Inge Pratiwi Maulidha, Environmental Health Division, Public Health Department, Faculty of Sports Science, Universitas Negeri Semarang, Indonesia

**ID 130  Survival Analysis of Factors Affecting the Cure Rate among Lung Tuberculosis Patients in Semarang City, Indonesia**  
Lukman Fauzi, Public Health Department, Faculty of Sports Science, Universitas Negeri Semarang, Indonesia

**ID 140  Teachers’ Perceptions and Experiences on Offline Physical Education Learning with Health Protocol in The New Normal Era**  
Wahyu Ragil Kurniawan, Department of Physical Education for Elementary School, Faculty of Sports Science, Universitas Negeri Semarang, Indonesia

**ID 133  The Correlation of Nutrition Knowledge and Nutrition Label Use among Adolescents in Semarang City, Indonesia**  
Galuh Nita Prameswari, Natalia Desy Putriningtyas and Efa Nugroho, Faculty of Sports Science, Universitas Negeri Semarang, Indonesia

**ID 145  The Implementation of Basic Movement Activities for Children with Special Needs in Inclusive Early Childhood Education**  
Diana Diana, Sunardi Sunardi, Gunarhadi Gunarhadi and Munawir Yusuf, Doctoral Program in Science Education Sebelas Maret University, Indonesia
8:00 – 9:45 am, THURSDAY  Facilities Planning and Management  Room 3  
Session Chair: Nurul Ainina Nadhirah Tajurahim, Facilities Planning and Management Malaysia Universiti Tun Hussein Onn Malaysia

ID 390  Analysis and Evaluation of The Library Room using Ergonomics Studies  
Hayunda Nur Annisa, Dina Rachmawaty and Anastasia Febiyani, Industrial Engineering, Institut Teknologi Telkom Purwokerto, Banyumas, Indonesia

ID 629  Application of the Polder System in Flood Management in Urban Areas a Case Study  
Christian Cahyono, Civil Engineering Department, Faculty of Engineering, Bina Nusantara University, Jakarta, Indonesia

ID 392  Design of Facility Layout for The Effectiveness of The Production Process  
Mas Aji Saputra, Dina Rachmawaty and Halim Qista Karima, Industrial Engineering, Institut Teknologi Telkom Purwokerto, Banyumas, Indonesia

ID 241  Design of Work Facilities in Warehouses and Work Stations for SME Dwarf Leather Cutting Leather  
Naufal Adi Wibowo, Afra Galda Nadhira, Anisa Agustina, Muhammad Ilman Zidni, Dr. Muhammad Hisjam STP, MT and Dr. Retno Wulandari Damayanti ST, MT, Department of Industrial Engineering, Faculty of Engineering, Sebelas Maret University, Surakarta, Indonesia

ID 30  Facility Layout Improvement for Erol Food Industry: A Simulation and Comparison  
Nurul Nafisah Abdul Karim, Nurul Ainina Nadhirah Tajurahim and Salwa Mahmood, Faculty of Engineering Technology, Universiti Tun Hussein Onn Malaysia

ID 396  Influence of Islamic Work Ethics on Fraud Perceptions and Whistleblowing Intention with Social Environment as Moderating Variables  
Monica Rahardian Ary Helmina and Novita Wening’yas Respati, Lecturer, Accounting Department, Faculty of Economics and Business Universitas Lambung Mangkurat, Banjarmasin, Indonesia

ID 488  Block Chain Adoption in The Vehicle Leasing Business to Increase the Transparency of Transactions  
Inayatullah, Information Systems Department, School of Information system, Bina Nusantara University, Jakarta, Indonesia

ID 175  BuSia: Mobile Apps Design to Promote MSMEs Fashion in Indonesia  
Elang Satria Pamungkas and Yudhistya Ayu Kusumawati, Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia

8:00 – 9:45 am, THURSDAY  E-Business and E-Commerce  Room 4  
Session Chair: Lourdes Lasian, Adamson University

ID 61  Assessing E-Customer Loyalty in Relation to Customer Satisfaction under COVID-19 Pandemic using M-S-Qual Model  
Pimentel, Mary Ann M., Ramiterre, Jlord Jeus Czar F., Quevedo, Venusmar C., Carungay, Sheila Mae F., Industrial Engineering Department, College of Engineering, Adamson University, Manila, Philippines

ID 321  Behavioral Intention in e-sports Spectators: SOR Model Implementation  
Andrean Fernando, Fransisca Sharon P. Djuhana, Veronika Saputri and Arta Moro Sundjaja, Business Management Program, Management Departmenet, BINUS, Business School Graduatre Program, Bina Nusantara University, Jakarta, Indonesia

ID 488  Block Chain Adoption in The Vehicle Leasing Business to Increase the Transparency of Transactions  
Inayatullah, Information Systems Department, School of Information system, Bina Nusantara University, Jakarta, Indonesia

ID 175  BuSia: Mobile Apps Design to Promote MSMEs Fashion in Indonesia  
Elang Satria Pamungkas and Yudhistya Ayu Kusumawati, Visual Communication Design Department, School of Design, Bina Nusantara University, Jakarta, Indonesia

ID 729  Comparative Analysis of the Effect of Live Streaming Shopping on E-commerce and S-commerce on Impulsive Buying Behavior in Indonesia  
Erwin Halim, Chairunnisa Nur Aulia Adiba, Yogannes Kurniawan and Lea Sulaiman Saputra, Information System Department, School of Information System, Bina Nusantara University, Jakarta, Indonesia

ID 298  Decision Making Analysis of Purchasing SME Products in Indonesia E-commerce Platform during COVID-19 Pandemic  
Lim Sanny, Kaleb Kokoh I Putra, Lisa Carolina and Sarah Devi, Management Department, BINUS Business School Master Program, Bina Nusantara University, Jakarta, Indonesia

ID 100  Decision Support System Model to Support The Selection of The Best Supplier for Small Medium Enterprise Supply Chain Management  
Inayatullah, Information Systems Department, School of Information system, Bina Nusantara University, Jakarta, Indonesia

ID 32  Decision Support System to Help Educational Institutions Determine the Best Learning Method  
Inayatullah, Information Systems Department, School of Information system, Bina Nusantara University, Jakarta, Indonesia
ID 568  Impact of mobile applications to improve learning in university students
Ronald Antonio Rodríguez-Gamarra, Hugo Eladio Chumpitaz-Caycho and Ericka Nelly Espinoza-Gamboa, Faculty of Engineering, Universidad Privada del Norte, Lima, Peru
Manuel Alberto Espinoza-Cruz, Faculty of Business and Administration, Universidad Tecnológica del Perú, Lima, Peru
Franklin Cordova-Buiza, Reserch and Innovation Department, Universidad Privada del Norte, Lima, Peru

ID 12  Improving Industrial Engineering Student' Soft Skill Using Project-based Learning (PjBL) Method
Devi Pratami, Wawan Triplawan and Ika Arum Puspita, Lecturer, School of Industrial and System Engineering, Telkom University, Bandung, Indonesia

ID 216  Interactive Media to Maintain Normal Sugar Levels for Diabetics by Using the Design Thinking Method
Linda Yuliani, Department of Informatics, Universitas Jenderal Achmad Yani, West Java, Cimahi, Indonesia
Faiza Renaldi, Irma Santikarama, Department of Information Systems, Universitas Jenderal Achmad Yani, West Java, Cimahi, Indonesia

ID 490  Learning Asian Languages Using Online Platforms during Pandemic Times: Evidence from Indonesian Youth
Indira Kastaty and Ella S. Prihatini, International Relations Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 523  The Analysis of Programming Problem Solving Skill of the Students in Software Engineering Vocational High Schools
Dwi Maryono, Assistant Professor of Informatics Education, Faculty of Teacher Training and Education, Sebelas Maret University, Surakarta, Indonesia
Budiyono, Professor in Mathematics Education, Faculty of Teacher Training and Education, Sebelas Maret University, Surakarta, Indonesia
Sajidan, Professor in Biology Education, Faculty of Teacher Training and Education, Sebelas Maret University, Surakarta, Indonesia
Muhammad Akhyar, Professor in Mechanical Engineering Education, Faculty of Teacher Training and Education, Sebelas Maret University, Surakarta, Indonesia

ID 16  The Application of Student-Centred Learning Method in Theory-based and Studio-based Online Courses.
Ofita Purwani, Associate Professor, School Architecture, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
M. Muqoffa, Senior Lecturer, School Architecture, Faculty of Economics and Management, IPB University, Bogor, Indonesia

ID 649  A Study on the Multidimensional Result Oriented Capability of Professional Workers
Narendra Pratakista, Sasmoko Sasmoko, Eldijen Eldijen and Agustinus Bandur, Management Department, BINUS Business School Doctor of Research in Management, Bina Nusantara University, Indonesia

ID 157  A Systematic Literature Review: Identification of Transformational Leadership and Trust in Leadership on Increasing Organizational Work Engagement
Alodia Nadifa, Asnadihya Sabadylla, Dewangga Bisma Putra, Merry Desiana Ho, Haryadi Sarjono and Pengkhu Ibnu Sudana, BINUS Business School Undergraduate, Bina Nusantara University, Management Department, Jawa Barat, Indonesia

ID 242  Agreement Level Among Online Investors in Indonesian Stock Exchange
Putri Fariska, Lecturer, Departement of Telecommunication and Informatics Business Management, Faculty of Economics and Business, Telkom University, Bandung, Indonesia
Mochamad Malik Akbar Rohandi, Lecturer, Departement of Management, Faculty of Economics and Business, Universitas Islam Bandung, Bandung, Indonesia
Ajeng Luthfiyulfi Farida, Lecturer, Departement of Accounting, Faculty of Economics and Business, Telkom University, Bandung, Indonesia

ID 427  An Investigation of The Sectoral Competitiveness in Mojokerto Regency Through Location Quotient and Shift Share Techniques
Ahmad Fawaiq Suwanan, Fariha Nuraini and Delia Lupita Adi, Department of Development Economics, Faculty of Economics and Business Universitas Negeri Malang, Indonesia
Jamaluddin Saputra, Faculty of Business, Economics and Social Development, Universiti Malaysia Terengganu, Terengganu, Malaysia

ID 742  Analysis of Performance Measurement and Financing Performance at BMT An-Najjah, Pekalongan Regency
Rizka Ariyanti, Fangelia Myas Sari, and Ali Imron, Departement of Accounting, Faculty Creative Desain and Digital Business, Institute Tecnology and Sains Nhadlalut Ulama (ITSNU) Pekalongan
Dan Devi Permataasari, Departement of Accounting, Faculty of Economic, Universitas Islam Sultan Agung

ID 450  Analysis of The Effect of Government Business Support Services and Absorptive Capacity Moderation on The SMEs Performance Using the Structural Equation Modeling (Case Study: STIP NTB Entrepreneurial Incubator)
Tiena G. Amran, Anik Nur Habyba and Rane Arthur Indraputra, Industrial Engineering Department, Faculty of Industrial Technology, Trisakti University, Jakarta, Indonesia

ID 743  Analysis of Performance Measurement and Financing Performance at BMT An-Najjah, Pekalongan Regency
Rizka Ariyanti, Fangelia Myas Sari, and Ali Imron, Departement of Accounting, Faculty Creative Desain and Digital Business, Institute Tecnology and Sains Nhadlalut Ulama (ITSNU) Pekalongan
Dan Devi Permataasari, Departement of Accounting, Faculty of Economic, Universitas Islam Sultan Agung

8:00 – 9:45 am, THURSDAY  Business Management  Room 6
Session Chair: Jumadi! Saputra, Universiti Malaysia Terengganu

ID 469  A Study on the Multidimensional Result Oriented Capability of Professional Workers
Narendra Pratakista, Sasmoko Sasmoko, Eldijen Eldijen and Agustinus Bandur, Management Department, BINUS Business School Doctor of Research in Management, Bina Nusantara University, Indonesia

ID 157  A Systematic Literature Review: Identification of Transformational Leadership and Trust in Leadership on Increasing Organizational Work Engagement
Alodia Nadifa, Asnadihya Sabadylla, Dewangga Bisma Putra, Merry Desiana Ho, Haryadi Sarjono and Pengkhu Ibnu Sudana, BINUS Business School Undergraduate, Bina Nusantara University, Management Department, Jawa Barat, Indonesia

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Putri Fariska, Lecturer, Departement of Telecommunication and Informatics Business Management, Faculty of Economics and Business, Telkom University, Bandung, Indonesia
Mochamad Malik Akbar Rohandi, Lecturer, Departement of Management, Faculty of Economics and Business, Universitas Islam Bandung, Bandung, Indonesia
Ajeng Luthfiyulfi Farida, Lecturer, Departement of Accounting, Faculty of Economics and Business, Telkom University, Bandung, Indonesia

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Jamaluddin Saputra, Faculty of Business, Economics and Social Development, Universiti Malaysia Terengganu, Terengganu, Malaysia

ID 742  Analysis of Performance Measurement and Financing Performance at BMT An-Najjah, Pekalongan Regency
Rizka Ariyanti, Fangelia Myas Sari, and Ali Imron, Departement of Accounting, Faculty Creative Desain and Digital Business, Institute Tecnology and Sains Nhadlalut Ulama (ITSNU) Pekalongan
Dan Devi Permataasari, Departement of Accounting, Faculty of Economic, Universitas Islam Sultan Agung

8:00 – 9:45 am, THURSDAY  Case Studies  Room 7
Session Chair: Selamat Hia, Institut Teknologi Sepuluh Nopember (ITS), Surabaya
ID 603  Compression Test Box C Galvalume Concrete Composite Panels with Reinforcement
Sri Wiwoho Mudjanarko and Rizal Bahaswan, Senior Lecturer, Departement of Civil Engineering, Narotama University, Surabaya, Indonesia
Nawir Rasidi, and Achfas Zacoeb, Departement of Civil Engineering, Polinema Negeri Malang, Malang, Indonesia
Syaful, Departement of Civil Engineering, Ibn Khaldun University Bogor, Indonesia
I Putu Artaya, Departement of Management, Narotama University, Surabaya, Indonesia
Mohd Fadzi Bin Arshad, Departement of Civil Engineering, Universiti Teknologi MARA, Malaysia
Firdaus Pratama Wiwoho, Faculty of Civil and Environmental Engineering's Master Program, Institut Teknologi Bandung, Bandung, Indonesia

ID 581  Creating Legal Unity in a Rapidly Changing World: Indonesia and the Netherlands Compared
Stijn Cornelis van Huis, Business Law Program, Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 13  Determination of Flood Logistics Command Posts and Humanitarian Logistics Vehicles by Using Mathematical Model and Linear Programming Based on Population, Flood Prone Area and Distribution Time in Jakarta
Joventri Chandra and Rienna Oktarina, Industrial Engineering Department, Faculty of Engineering, Bina Nusantara University, Jakarta, Indonesia

ID 282  Identifying the Integration of Confucianism into Chinese Corporate Culture: A Referential Review
Yi Ying, Lili Yulyadi Arnakim, Roseno Aji Affandy, and Dayu Nirma Amurwanti, Faculty of Humanities, Bina Nusantara University, Indonesia

ID 361  Implementation of China's Cultural Policy through TV Drama as Public Diplomacy Practice
Nadhira Alia Putri, Research Associate of Centre for Business and Diplomatic Studies (CBDS), Bina Nusantara University, Jakarta, Indonesia
Rangga Aditya Elias, Head Department of International Relation, Bina Nusantara University, Jakarta, Indonesia

ID 295  Implementation of Classkick Application as a Mandarin Learning Media
Yetty Go, Mariana, Xuc Lin and Fu Ruomei, Chinese Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 194  Improvement of Tire Life Using Lean Six Sigma Approach: A Case Study in Coal Hauling Company
Selamat Walmanto Hia, Department Management and Technology, Interdisciplinary School of Management and Technology, Institute Teknologi Surabaya, Surabaya, Indonesia

ID 597  Modification Analysis of Concrete Composite Panels Using C Galvalume Without Reinforcement
Cristian Daud Wibisono, Student, Narotama University, Faculty of Engineering, Narotama University, Surabaya, Indonesia
Wahyudi Sutopo, University Centre of Excellence for Electrical Energy Storage Technology, Research Group Industrial Engineering and techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
Ahad Ali and Don Reimer, A. Leon Linton Department of Mechanical, Robotics and Industrial Engineering, Lawrence Technological University Southfield, MI, USA

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**September 15 (THURSDAY) - Session: 10:00 am – 1:00 pm**

**Keynote Speakers – Room 1**

10:00 am  **Keynote X:**

Paul Odomirok
President and CEO
Performance Excellence Associates, Florida, USA

10:40 am  **Keynote XI:**

Prof. Nigel Grigg
Professor of Quality Systems
Massey University, New Zealand

11.20 am  **Keynote XII:**
### Simulation and OM

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<td>Liliana Avelar Sosa, Jorge Luis García Alcaraz and Luis Asunción Pérez Domínguez, Professor and Researcher on Department of Industrial and Manufacturing Engineering, Faculty of Engineering and Technology, Autonomous University of Ciudad Juárez, Ciudad Juárez, Chih., Mexico</td>
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<td>José Roberto Díaz Reza, Department of Electrical and Computer Engineering, Faculty of Engineering and Technology, Autonomous University of Ciudad Juárez, Ciudad Juárez, Chih., Mexico</td>
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<td>Anita Rahayu and M. Aldiki Febriantoono, Computer Science Department, School of Computer Science, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Dedy Dwi Prastyo, Purhadi and Sutikno, Statistics Department, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia</td>
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<tr>
<td>José Roberto Díaz-Reza, Department of Electrical Engineering and Computer Sciences, Autonomous University of Ciudad, Juárez, México</td>
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<td>Jorge Luis García-Alcaraz, Liliana Avelar Sosa and Luis Asunción Pérez-Dominguez, Department of Industrial Engineering and Manufacturing, Autonomous University of Ciudad, Juárez, Ciudad Juárez, México</td>
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### Entrepreneurship and Innovation

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<td>Puji Prabowo, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Puji Prabowo, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Eugene Hakizimana, Christian Muñoz-Sánchez, María del Rocío Soto-Flores and Ingrid Yadibel Cuevas-Zuñiga, Business School (ESCA-STO) National Polytechnic Institute of Mexico (IPN) Mexico City, Mexico</td>
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ID 63 Strengthening Entrepreneurial Ecosystem to Achieve Sustainability Through Digitalization and Innovation: A Case of Indonesian MSMEs Ecosystem
Wawan Dhewanto, Prawira Fajarinda Belgiaowan, Rozan Hanifan and Aang Noviyana Umbara, School of Business and Management, Bandung Institute of Technology, Bandung, Indonesia

ID 62 Technopreneurship To Improve Firm Performance: Entrepreneurial Orientation and Innovation
Syahrul Effendi, Yasintha Indirianti, Sari Apriza, Idris Gautama and Rano Kartono, Doctor of Research in Management Bina Nusantara University Jakarta Barat, Indonesia

ID 411 The Art and Science in Strategic Approach to Enhance Innovativeness and Performance in Financing Industry
Heru Santosa Hadiyanto, Senior Lecturer, Binus Business School, Bina Nusantara University, Jakarta, Indonesia

ID 341 The effect of co-creation attitude, entrepreneurship self-identity on entrepreneurship intention based on service-dominant logic approach
Mario Istar, Stefanus Rumangkit and Abdullah Bilman, Lecturer, Business Entrepreneurship Center, Bina Nusantara University, Jakarta, Indonesia

11:30 am – 1:30 pm, THURSDAY E-Business and E-Commerce Room 5
Session Chair: Budhi Prihartono, Institut Teknologi Bandung

ID 567 Application of big data for analyzing consumer behavior in e-commerce companies
Fernando Piero Chamorro-Zapana and Hugo Eladio Chumpitaz-Caycho, Faculty of Engineering, Universidad Privada del Norte, Lima, Peru
Erica Nely Espinoza-Gamboa, Faculty of Business, Universidad Privada del Norte, Lima, Peru
Manuel Alberto Espinoza-Cruz, Faculty of Business and Administration, Universidad Tecnológica del Perú, Lima, Peru
Franklin Cordova-Buiza, Research and Innovation Department, Universidad Privada del Norte; Lima, Peru

ID 170 Determinants on Trust in Platform and the Implication on Behavior to Use (A Study from Indonesia)
Pariang Siagian and Meiryani, Senior Lecturer, School of Accounting, Faculty of Economic and Communication, Bina Nusantara University, Jakarta, Indonesia

ID 310 Development of a Customer Engagement Model for the Use of PT X Mobile Payment Applications
Budhi Prihartono, Industrial Management, Research Group, Institut Teknologi Bandung, Bandung, Indonesia
Ghea Isabela Islam, Industrial Engineering and Management, Industry Technology Faculty, Institut Teknologi Bandung, Bandung, Indonesia
Hasrini Sari, Industrial Management, Research Group, Institut Teknologi Bandung, Bandung, Indonesia

ID 268 Reliability Management in a South African Railway Company
Khinane Motupa, Jan-Harm Pretorius and Bheki Makanya, Postgraduate School of Engineering Management, Faculty of Engineering and Built Environment, University Johannesburg, Johannesburg, South Africa

ID 232 Security Posture Assessment and Hardening of an Insurance Company: A Case Study
Dr. Eric Biancaffo, Gerardine Anne J. Anson, Kevin Nicholas U. Bangayan, Andres Luis R. Gonzales, Jameela Nadine D. Jamena, Mark Anthony V. Marin and Ronald Bernardo, School of Information Technology, Mapua University Philippines
**PARALLEL SESSIONS**

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<td>Esther Widhi Andangsari, Rani Agias Fitri, Evi Afiah Hurruiyat, William Junior Herlie and Fella Claudina Prima</td>
<td>Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>Meilani Dhamayanti, Marketing Communication Program, Communication Department, Faculty of Economics &amp; Communication, Bina Nusantara University, Jakarta, Indonesia</td>
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<td>The Continuous Auditing and Possibility on Implementation; A Case Study in Local Accounting Public Firm in Indonesia</td>
<td>Ruri Octari Dinata and RR. Sri Sarawati, Lecturer, Department of Accounting, Faculty of Economic and Business, Universitas Telkom Bandung, Indonesia</td>
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<td>715</td>
<td>The Effect of Sales Growth, Corporate Social Responsibility Disclosure and Transfer Pricing on Tax Avoidance (Case Study in The Mining Sector Listed on The Indonesia Stock Exchange 2016-2020)</td>
<td>Ardan Gani Asalam and Devy Tazkiajaturohmah, Faculty of Economics and Business, Telkom University, Bandung, Indonesia</td>
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<td>The Impact of Culture in Organisational Development and Change Management at a large retailer in Soweto</td>
<td>T. Rikhotsoj and T. Tshabalala, Department of Quality and Operations Management, University of Johannesburg, Johannesburg, South Africa</td>
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<td>328</td>
<td>The Law Protection of Marga Momo Land from Land Acquisition of Trans Papua</td>
<td>Nurul Izzah and Erni Herawati, Business Law Program, Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia</td>
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**Business Management**

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<th>11:30 am – 1:30 pm, THURSDAY</th>
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<td>Session Chair: Hilmi Rochmawati, Telkom University</td>
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**ID 397** | The Effect of Village Official Competency, Community Participation, Information and Technology Utilization and Internal Control System on Village Fund Management Accountability (Empirical Study of Bangkarangan District, Tapin, South Kalimantan, Indonesia) | Alfiyan and Raisya Adelia, Faculty of Economic and Business, Accounting Study Program, Lambung Mangkurat University, Banjarmasin, South Kalimantan, Indonesia |
| **ID 714** | The Effect of Work Training and Physical Work Environment on The Performance of Milenial Generation Employees (Case Study of BPJS Ketenagakerjaan, Regional Office of Sumbagut) | Luthfia Khansha and Dian Indiyati, Department of Magister Management, Faculty of Economics and Business, Telkom University, Bandung, Indonesia |
| **ID 224** | The Effect of Work-Life Balance and Work Engagement on Turnover Intention on Millennial and Z Generation in Indonesia | Diena Dwidinawati, Suwarno, Jason Devin, Lie Andri Kurniawan Junaidi and Rinaldy Fernando, Management Program, BINUS Business School Undergraduate Program, Bina Nusantara University, Indonesia |
| **ID 579** | The Effects of Entrepreneurial Orientation, Entrepreneurial Value, Corporate Culture, And Information, Communication and Technology on Financial Performance at Rural Banks | Syahrul Effendi, Mohammad Hamsal, Rano Kartono and Asnan Furinto, Management Department, BINUS Business School Doctor of Research in Management, Bina Nusantara University, Jakarta, Indonesia |
| **ID 265** | The Impact of Social Motives on Digital Ambidexterity among White-Collared Workers in Indonesia | Maria Grace Herlina and Nyiayu Olivia Miranda Bakrie, Senior Lecturer, Management Department, BINUS Business School Undergraduate Program Bina Nusantara University, Jakarta, Indonesia |
| **ID 264** | The Influence of Celebrity Endorsers to Invesment Intention in Gen Z during Pandemic | Dewi Tamara, Executive Master Program, Binus Business School, University of Bina Nusantara, Jakarta Indonesia |
| **ID 703** | The Influence of Competence on Employee Performance with Demography as Moderating Variable at The Ministry of Religion of Sragen Regency | Wulan Hilmi Rochmawati, Student of Magister Management, Faculty of Economis and Business, Telkom University, Bandung, Jawa Barat, Indonesia |
| **ID 512** | The Influence of Digital Business Strategy, Mental Accounting, and Growth Mindset on MSMEs Business Performance | Claudia Astra Astuti Kurniahardja, Caroline Michelle Virginia and Tommy Andrian, Accounting Department, School of Accounting, Bina Nusantara University, Jakarta, Indonesia |

**1:00 – 2:00 pm – Lunch and Prayer Break**

**September 15 (THURSDAY) - Session: 2:00 – 3:45 pm**
### GBME III

**Session Chair:** Dr Muhammad Ikhsan Setiawan, Vice Rector Narotama University, Indonesia

**Speaker I**

Professor Madya Dr Nik Hazimah Binti Nik Mat, Universiti Malaysia Terengganu

**Speaker II**

**Speaker III**

**Speaker IV**

**Speaker V**

### Global Supply Chain and Logistics I

**Session Chair:** Assoc. Prof. Ir. Dwi Agustina Kurniawati, Ph.D., IPM.

*2:00 pm – 2:30 pm (Thursday, September 15)*

Dr. H. Muhammad Aqil Irham, M.Si

Head of Badan Penyelenggara Jaminan Produk Halal (BPJPH) Indonesia

*2:30 pm – 3:00 pm (Thursday, September 15)*

Professor Marco Tieman

Senior Fellow

IPMI International Business School

Malaysia

*3:00 pm – 3:30 pm (Thursday, September 15)*

Professor Satomi Ohgata

Kyushu International University

Fukuoka, Japan

### Cyber Security and Computers

**Session Chair:** Eric Blancaflor, Mapua University

**ID 531**  
AHP and PROMETHEE Comparison on Decision Support System for Scholarship Selection in Universitas Sebelas Maret Surakarta  
Faiz Ahnaf Eka Putra, Yusfiq Hafid Arisyagama, Nurcahya Pradana Taufik Prakysya and Cucuk Wawan Budiyanto, Bachelor of Informatics Education, Faculty of Teacher Training and Education, Universitas Sebelas Maret, Surakarta, Indonesia

**ID 425**  
Software development of applications oriented to phonological awareness in high school children: A systematic literature review  
Catalina Astudillo-Rodriguez, Computer Science Engineering School, Universidad del Azuay, Cuenca, Ecuador  
Esteban Crespo-Martinez, Engineering of Production School, Computer Science Engineering School, Universidad del Azuay, Cuenca, Ecuador  
Fabian Carvajal, Computer Science Engineering School, Universidad del Azuay, Cuenca, Ecuador  
Adriana León-Pesantez, LIDI, Education School, Universidad del Azuay, Cuenca, Ecuador

**ID 498**  
Toward Optimum Transformer Model for Sequence-to-Sequence Data Transformation under Low-resource Computation Constraint  
Yaya Heryadi and Cuk Tho, Computer Science Department, BINUS Graduate Program – Doctor of Computer Science, Bina Nusantara University, Jakarta, Indonesia  
Bambang Dwijanarko, Computer Science Department, BINUS Online Learning, Bina Nusantara University, Jakarta, Indonesia  
Dina Fitria Murad, Information Systems Department, BINUS Online Learning, Bina Nusantara University, Jakarta, Indonesia  
Kiyota Hashimoto, Interdisciplinary Graduate School of Earth Science and Andaman Natural Disaster Management, Prince of Songkla University, Phuket Campus, Phuket, Thailand

**ID 247**  
A Systematic Literature Review on the Pervasiveness of Ransomware Threats and Attacks in the Philippines  
Dr. Eric B. Blancaflor, Joselito Lizer C. Daluz, Roduel Adrian G. Garcia, Nathan Gadiel S. Monton and Jhoana Marie S. Vergara, School of Information Technology, Mapua University, Philippines

**ID 234**  
Implementation of Zero Trust Security to Reduce Ransomware Attacks in the Philippines: A Systematic Literature Review  
Dr. Eric Blancaflor, Angelo Dominic D. Abat, Kyle Matthew A. Degranovo, Ma. Cassandra M. Lindio and Andrei Daniel A. Pamoso, School of Information Technology, Mapua University, Philippines

**ID 233**  
Implications on the Prevalence of Online Sexual Exploitation of Children (OSEC) in the Philippines: A Cybersecurity Literature Review
### 2:00 – 3:45, THURSDAY  
**Energy**  
Room 4

**Session Chair:** Raja Nur Atikah Raja Azam Shah, Universiti Teknologi Malaysia

**ID 704**  
A Critical Review on Thermal Simulation of LNG Driven IC Engines  
M. B. Kiran, Department of Mechanical Engineering, School of Technology, Pandit Deendayal Energy University, Gandhinagar, Gujarat, INDIA

**ID 560**  
A Review of Energy Community Innovation and Local Resources Utilization in Indonesia  
Dana Priangani, Industrial Engineering Department, Faculty of Industrial Technology, Universitas Islam Sultan Agung, Jalan Raya Kaligawe KM 4, Semarang, Indonesia  
Andhy Yulianto Norma Sakti, Energy and Manufacturing Research Organization, National Research and Innovation Agency, Jakarta, Indonesia  
Sustainable Energy and Resources Engineering, Thammasat University, Krong Thep Maha Nakhon, Thailand  
Wahyudi Sutopo, University Centre of Excellence for Electrical Energy Storage Technology, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

**ID 307**  
A Review on Thermoelectric Generators: Structure Optimization and Economic Analysis  
Raja Nur Atikah Raja Azam Shah, Farah Liana Binti Mohd Redzuan, Sheikh Ahmad Zaki, Ahmad Faiz Mohammad, and Fitri Yakub, Malaysia-Japan International Institute of Technology, Universiti Teknologi Malaysia, Kuala Lumpur, Malaysia

**ID 525**  
Design of Pico Hydro Power Plant (PHPP) With Method Morphology Chart and Pugh Matrix  
Ir. Trio Yonathan Teja Kusuma, S.T., M.T. and M Zulhan Iswanda, Industrial Engineering, Fakultas Sains dan Teknologi, Universitas Islam Negeri Sunan Kalijaga, Yogyakarta, Indonesia

**ID 537**  
Development of a low-cost GHI monitoring system based on IoT technology  
Xuan Truong Nguyen, Lecturer, Department of Energy, University of Science and Technology of Hanoi, Vietnam  
Academy of Science and Technology, Cau Giay, Hanoi, Vietnam  
Tung Duong Do and Pham Dang Khoi Nguyen, Bachelor Student, Department of Energy, University of Science and Technology of Hanoi, Vietnam  
Academy of Science and Technology, Cau Giay, Hanoi, Vietnam

**ID 416**  
Identification of Determining Factors for Electric Vehicle Use in Indonesia from User Perspective  
Eka Wahyu Kurniawan, Djoko Sihono Gabriel and Farizal, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

**ID 607**  
The Effect of Gas Injection Duration on the Restart Pressure of Waxy Crude Oil Pipeline  
Haizatul Hafizah Hussain and Shaharin Anwar Sulaiman, Department of Mechanical Engineering, Universiti Teknologi PETRONAS, Perak, Malaysia  
Girma Tadesse Chala, Department of Mechanical Engineering (Well Engineering), International College of Engineering and Management, Muscat, Oman  
Hazlina Husin, Department of Petroleum Engineering, Universiti Teknologi PETRONAS, Perak, Malaysia

### 2:00 – 3:45, THURSDAY  
**Entrepreneurship and Innovation**  
Room 5

**Session Chair:** Jurry Hatammimi, Faculty of Economics and Business, Telkom University

**ID 84**  
Creative Tools Used by Young Entrepreneurs  
Puji Prabowo, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

**ID 225**  
Designing the Innovative Art and Cultural Performances for A Tourist Village  
Jurry Hatammimi, Arien Gunawan, Andini Pujasari, Tassa Putri Avero and Riezka S. Nabiela, Faculty of Economics and Business, Telkom University, Bandung, Indonesia

**ID 57**  
Development of an a-priori Model of Holistic Leadership and Knowledge Creation on Corporate Entrepreneurship  
W. A. M. Niranga, Lecturer, Department of Industrial Management, Faculty of Science, University of Kelaniya, Sri Lanka

**ID 600**  
Eight Golden Rules in Asean Entrepreneurship Profiling Website Development  
Sasmoko, Primary Teacher Education Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

**ID 403**  
Entrepreneurial Strategic Philosophy: A Cross-decade Conceptual Model Between Entrepreneurial Orientation and Strategic Philosophy  
Heru Santosa Hadiyanto, Senior Lecturer, Binus Business School, Bina Nusantara University, Jakarta, Indonesia

**ID 461**  
Evaluation of AutoGardener and the Development of Its Marketing Strategies  
Grace Lorraine Intal, Jezel D. Gonzales, Joaquin Miguel F. Gonzales and Eugene B. Seguin, School of Information Technology Mapua University, Intamuros, Manila, Philippines

**ID 580**  
Indonesian Songket Virtual Exhibition as a Form of Digital Culture to Preserve the Heritage of Traditional Wastra  
Dicky Maryoga Hutadji, Fashion Management Program, Product Design Department, BINUS Northumbria School of Design, Bina Nusantara University, Jakarta, Indonesia  
Prof. Dr. Drs. I Nyoman Artayasa and M. Kes, Professor, Postgraduate, Doctoral Degree, Indonesian Institute of Arts Denpasar, Bali, Indonesia

**ID 85**  
Influential Medium in Facilitating Idea Processing  
Puji Prabowo, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia
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<td>Determinants of Debt Policy: Building Construction Firms Listed in Indonesia</td>
<td>Nur'a'in Maghfira Tangkudung, Student, Faculty of Economic and Business, Telkom University-Bandung, Indonesia, Brady Rikumahu, Lecturer, Faculty of Economic and Business, Telkom University-Bandung, Indonesia</td>
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<td>Determinants of Dividend Policy on Indonesia Non-Family Companies Listed in LQ45 Index</td>
<td>Farida Titik Kristanti and Ajeng Sekar Ardinggrum, Faculty of Economic and Business, Telkom University, Indonesia</td>
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<td>Development Marine Tourism Strategic in Padang City, Indonesia: Importance Performance Analysis Approach</td>
<td>Reni Yulliviona, Associate Prof, Management Department, Faculty of Economic and Business, Universitas Bung Hatta, Padang, Indonesia, Evi Susanti Tasri, Associate Prof, Economic Development Department, Faculty of Economic and Business, Universitas Bung Hatta, Padang, Indonesia, Elfitra Azliyanti, Senior Lecturer, Management Department, Faculty of Economic and Business, Universitas Bung Hatta, Padang, Indonesia</td>
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<td>Digital Disruption: Bridge to Organizational Resilience</td>
<td>Rini Setiawati and Friska Mastarida, Business Management Program, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia, Hasri Nimala, Management Program, Accounting Department, Dharma Persada University, Jakarta, Indonesia</td>
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<td>Digital Food Marketing: Challenge for Vocational School</td>
<td>Meilani Dhamayanti, Senior Lecturer, Digital Communication Department, Faculty of Digital Communication and Hotel Tourism, Bina Nusantara University, Jakarta, Indonesia, Ulani Yunus, Senior Lecturer, Digital Communication Department, Faculty of Digital Communication and Hotel Tourism, Bina Nusantara University, Jakarta, Indonesia, Nanang Sunarto, Principal, SMK 1 Tapung Hulu, Kampar, Riau</td>
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<td>530</td>
<td>Does Dynamic Capability Can Foster Innovation Performance on Viral Marketing? Case Study in Creative Industry</td>
<td>Iwan Hermawan and Endang Sulistiyani, Lecturer of Business Administration Department, Politeknik Negeri Semarang, Semarang, Indonesia, Sartono, Lecturer of Accounting Department, Politeknik Negeri Semarang, Semarang, Indonesia, Suharmanto, Lecturer of Business Administration Department, Politeknik Negeri Semarang, Semarang, Indonesia, Asti Khoerunisa, Student of Business Administration Department, Politeknik Negeri Semarang, Semarang, Indonesia</td>
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<td>The effect of Knowledge Sharing on Employee Performance in Work Training Development Center (BBPLK) Bandung Through Organizational Culture as Intervening Variable</td>
<td>Diah Tiffani Annisa, Anita Silvianita and Mahir Pradana, Department of Business Administration, Faculty of Communication and Business, Telkom University, Bandung, West Java, Indonesia</td>
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<td>The Influence of Driving Duration and Driving Shift on The Level of Fatigue and Stress on Bus Drivers P.O Taruna Jaya of Sumbawa-Taliwang</td>
<td>Nurul Hudaningsih, Iksan Adiasta and Muhamad Iqbal Syauqi, Research Group of Ergonomics, Work System Engineering and HSE, Industrial Engineering Department, Faculty of System Engineering, Sumbawa University of Technology, Sumbawa, Nusa Tenggara Barat, Indonesia</td>
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## September 15 (THURSDAY) - Session: 4:00 – 5:45 pm

### Room 1

**Technoprenurship Panel**

**Panel Chair:**

Renny Rochani, MT., PhD
Lecturer
Industrial Engineering Department
Sebelas Maret University
Surakarta Indonesia

**Panel Speaker I:**

Dr. Ir. Riyanto, M.Si
Institute for Economic and Social Research
Faculty of Economics and Business
University of Indonesia
Jakarta, Indonesia

**Panel Speaker II**

Ir. Dr. Mohd Azman Abas
Director
Automotive Development Centre
Universiti Teknologi Malaysia
Skudai, Johor Darul Takzim
Malaysia

**Panel Speaker III**

Jose Evaldo Geraldo Costa, Ph.D.
Instituto Universitário de Lisboa (ISCTE-IUL)
Centro de Estudos Sobre a Mudança Socioeconómica e o Território
Lisboa, Portugal

**Panel Speaker IV**

### Room 2

**Global Supply Chain and Logistics II**

**Session Chair: Assoc. Prof. Ts. Dr. Azanizawati Ma’aram**

4:00 pm – 4:30 pm (Thursday, September 15)

4:30 pm – 5:00 pm (Thursday, September 15)

Professor Iwan Vanany, S.T., M.T., Ph.D.
Institut Teknologi Sepuluh Nopember (ITS)
Surabaya, Indonesia

5:00 pm – 5:30 pm (Thursday, September 15)

Dr. Mohamed Syazwan Ab Talib
Assistant Professor
UBD School of Business and Economics
Brunei Darussalam

### Room 3

**Industrial Management**

**Session Chair: Naniek Utami Handayani, Department of Industrial Engineering, Diponegoro University**

ID 26  **Factors Influencing Buzz for Indonesian Local Sneaker**

Timothy Rey Laheba and Parama Kartika Dewa, Department of Industrial Engineering, Faculty of Industrial Technology, Universitas Atma Jaya Yogyakarta, Yogyakarta, Indonesia
ID 497 Investigating the Role of Tangible, Reliability, Responsiveness, Assurance, and Empathy to Consumer's Satisfaction: A Shoe Care Industry in a Covid-19 Pandemic Period
Martin Setya Nugroho, Riesia Devi Kumalasari, Satria Fadil Persada, Fleuri Paramita Aprianti and Riefky Prabowo, Entrepreneurship Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

ID 739 Lean Tools and Techniques for Improving Production Performance and Waste Reduction in A Plastic Company: A Case Study
Rotan Kumar Saha, Lecture, Department of Industrial and Production Engineering, Dhaka University of Engineering and Technology, Gazipur, Bangladesh
Faisal Mahmud, Department of Industrial and Production Engineering, Bangladesh University of Engineering and Technology, Dhaka, Bangladesh

ID 596 Readiness Assessment of the Sleman Regional Disaster Management Agency in Handling and Managing the Mount Merapi Disaster
Diana Puspita Sari, Naniek Utami Handayani and Adi Setyo Nugroho, Industrial Engineering Department, Faculty of Engineering, Diponegoro University, Semarang, Indonesia

ID 593 Strategy to Improve the Innovation Performance of Batik Industrial Cluster
Naniek Utami Handayani, Zainal Fanani, Rosyada and Fadhliah Salsabil Minako, Industrial Engineering Department, Faculty of Engineering, Diponegoro University, Semarang, Central Java, Indonesia
Anita Mustkasari, Management Department, Yogyakarta State University, Indonesia

ID 365 The Urgence Of Regulation of Outsourcing Crossborder In Indonesia. Comparison Study Of The United States with Indonesia
Nadheya Tunga Devi, Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia
Iron Sarira, Lecturer, School of Business Law, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 369 The Urgency of Approval of Domestic Workers Protection Bill Towards the Rights Perspective as Stated in Law Number 13 the Year 2003 Concerning Employment and Legal Comparison Related to Employment Relationships to Follow the Benefits of The Law Perspective
Khalisha Dhia, Student of Business Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia
Iron Sarira, Lecturer, School of Business Law, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

4:00 – 5:45, THURSDAY  Transportation and Traffic  Room 4
Session Chair: Sonia Lohana, Universiti Tun Hussein Onn Malaysia

ID 451 Development of Sustainable Railway Transportation System for Kuala Lumpur
Sahir Ab Aziz, Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia, Parit Raja, Batu Pahat, Johor, Malaysia
Mohd Idrus Hj, Mohd Masrin, Faculty of Civil Engineering and Environment Built, Universiti Tun Hussein Onn Malaysia, Parit Raja, Batu Pahat, Johor, Malaysia

ID 327 Electric Vehicle: A Bibliometric Analysis of Future Trends
Arief Nurdini, Industrial engineering Department, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia
Industrial engineering Department, Faculty of Industrial Technology, Gunadarma University, Depok, Indonesia
Rahmat Nurcahyo, Industrial engineering Department, Faculty of Engineering, Universitas Indonesia, Depok, Indonesia

ID 573 Evaluating Service Quality of Multimodal Transportation: A Case Study of Adi Soemarmo International Airport
Listantari and Yessi Gusleni, Ministry of Transportation, Jakarta, Indonesia
Joewono Soemardjito, Center for Transportation and Logistics Studies, Universitas Gadjah Mada, Yogyakarta, Indonesia
Yandra Rahadian Perdana, Department of Industrial Engineering - Faculty of Science and Technology, Universitas Islam Sunan Kalijaga Yogyakarta, Indonesia

ID 337 Factors Influencing Motorcyclists’ Intention in Violating Railway Crossings in Indonesia: A literature review
Santi Velantia, Ari Widyanti and Titah Yudistira, Industrial Engineering Department, Faculty of Industrial Technology, Institut Teknologi Bandung Bandung, Indonesia

ID 11 Optimization of Humanitarian Logistics Distribution Routes in East Jakarta
Sarah Aggahra and Rienna Oktarina, Industrial Engineering Department, Faculty of Engineering, Bina Nusantara University, Jakarta, Indonesia

ID 383 Psychological and behavioral factors influencing the adoption of electric vehicles in Indonesia
Ardhy Lazuardy and Rahmat Nurcahyo, Industrial Engineering Department, Faculty of Engineering, University of Indonesia, Depok, Indonesia

ID 452 Significant Impact of Urban Rail Station as basis of Transit Oriented Development the Surrounding Development and Growth for Kuala Lumpur City and Klang Valley, Malaysia
Sahir Ab Aziz and Rozilah Kassim, Faculty of Technology Management and Business, Universiti Tun Hussein Onn Malaysia, Batu Pahat, Johor, Malaysia
Mohd Idrus Hj, Mohd Masrin, Faculty of Civil Engineering and Environment Built, Universiti Tun Hussein Onn Malaysia, Batu Pahat, Johor, Malaysia

4:00 – 5:45, THURSDAY  Project Management  Room 5
Session Chair: Taufik Sahroni, Bina Nusantara University

ID 527 A Heuristic Method for Measuring Material Procurement Progress in Industrial Projects
Mohammed Aldossary and Turki Aldossary, Project Engineer, Upstream Oil Project Management, Saudi Aramco, Abqaiq, Saudi Arabia

ID 120 Designing SCRUM Project Monitoring in a Start-Up to Achieve Objective Key Result of Company using Usability Testing Method
Raden Ajeng Feby Lalian Beladina and Taufik Roni Sahroni, Industrial Engineering Department, BINUS Online Learning, Bina Nusantara University
**ID 302** Estimating Project Costs and Time under Uncertainties: A Stochastic Model for Inflation and Supply Changes During and After the Covid19 Pandemic  
Tung Nhu Nguyen, Lecturer, School of Business, International University – Vietnam National University Ho Chi Minh City, Ho Chi Minh City, Vietnam

**ID 253** Factors That Influence Project Resilience: A Literature Review and Bibliometric Study  
Arief Prasetyo, Doctor of Research in Management, BINUS Business School, Bina Nusantara University, Jakarta, Indonesia  
Mohammad Hamsal, Asnan Furinto and Rano Kartono, BINUS Business School Doctor of Research in Management, Bina Nusantara University, Jakarta, Indonesia

**ID 27** Factors That Influence Students in Choosing A Career as A Public Accountant  
Agung Joni Saputra, Faculty of Business, Universal University, Indonesia  
Mohamad Trio Febriyantoro, Departement of Management & Jaya Launch Pad, Universitas Pembangunan Jaya, Indonesia

**ID 522** Investigation and Prioritization of Delay Factors in Industrial Projects: A Best-Worst Method  
Masoud Rahiminezhad Galankashi and Mahtab Abedi Eshlaghi, Department of Industrial, Mechanical and Aerospace Engineering, Buein Zahra Technical University, Buein Zahra, Qazvin, Iran  
Syed Ahmad Helmi, School of Mechanical Engineering, Faculty of Engineering, Universiti Teknologi Malaysia, Johor Bahru, Malaysia  
Center for Engineering Education, Universiti Teknologi Malaysia, Johor Bahru, Malaysia

**ID 155** Project Planning Management for Needle Valve using PERT and CPM Methods  
Yonatan Christovani and Taufik Roni Sahrioni, Industrial Engineering Department, BINUS Online Learning, Bina Nusantara University, Jakarta, Indonesia

4:00 – 5:45, THURSDAY  
Business Management  
Room 6

**Session Chair: Mahir Pradana, Telkom University**

**ID 449** Analysis of The Influence of Job InSecurity and Work Passion on Job Satisfaction in Outsourcing Employees  
Erlina Dwi Ratna Sari, Diena Dwidienawati, Anisa Sughartania, Sherys Neyssa Basir, Queen Hyaarthasea Balkies and Muhammad Gianluca Hafidz Fadhillah, Management Department, Management Study Program, Bina Nusantara University, Indonesia

**ID 572** Application of Best-Worst Method (BWM) in Prioritization of International Business Strategies  
Masoud Rahiminezhad Galankashi, Department of Industrial, Mechanical and Aerospace Engineering, Buein Zahra Technical University, Buein Zahra, Qazvin, Iran  
Syed Ahmad Helmi, School of Mechanical Engineering, Faculty of Engineering, Universiti Teknologi Malaysia, Johor Bahru, Malaysia  
Center for Engineering Education, Universiti Teknologi Malaysia, Johor Bahru, Malaysia  
Shahrzad Yavari Sabet and Sepideh Safarkhani, Department of Industrial, Mechanical and Aerospace Engineering, Buein Zahra Technical University, Buein Zahra, Qazvin, Iran

**ID 217** Audit Quality: Audit Tenure, Audit Fee and Client Importance of Infrastructure, Utilities, and Transportation Sector in Indonesia  
Annisa Nurbaiti and Dany Setyawan, Faculty of Economics and Business, Telkom University, Bandung, Indonesia

**ID 368** Brand Trust and Electronic Word of Mouth in Skincare Product Online Channel  
Enny Noegraheni Hindarwati, Cecep Hidayat, Rafiana Dzikra, Muhammad Daffa Raihan and Salsabilah Safrida, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

**ID 545** Building Brand Image through Instagram As A Key in Attracting Purchasing Decisions  
Muhammad Faiz, Anita Silvianita and Mahir Pradana, Telkom University, Bandung, Indonesia

**ID 223** Building team resilience in Project Management – A comparative study between construction and ICT industries  
Diena Dwidienawati and Mohammad Ichsan, Management Department BBS UP, Bina Nusantara University, Jakarta, Indonesia  
Mohammad Hamsal, Doctor of Research in Management Program, Bina Nusantara University, Jakarta, Indonesia

**ID 378** Business Scheme of EV Charging in Indonesia: A Review  
Bekti Nugrahadi, Industrial Engineering Department, Faculty of Science, Technology, and Health, Universitas Sahid Surakarta, Surakarta, Indonesia  
Isna Nugrha, Industrial Engineering Department, Faculty of Engineering, Universitas Pembangunan Nasional Veteran Jawa Timur, Surabaya, Indonesia  
Wahyudi Sutopo, University Centre of Excellence for Electrical Energy Storage Technology, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia  
Muhammad Hisjam, Head of Logistics and Business System Laboratory, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

**ID 771** Representation of Intercultural Communication in Series “Emily in Paris – Season 1”  
Lovely Fida Nurfaiziah, Student, Communication Science Department, Faculty of Digital Communication and Hotel & Tourism, Bina Nusantara University, Jakarta, Indonesia  
Frederik Masri Gasa, Lecturer, Communication Science Department, Faculty of Digital Communication and Hotel & Tourism, Bina Nusantara University, Jakarta, Indonesia
Session Chair: Madylaine Delfin, Mapua University

ID 116  An Adaptability and Viability of the Travel Industry beyond New normal, An Assessment
Bea Ericka M. Cruz, Eugene Paolo S. Dizon, Joshua B. Lacanama and Madylaine G. Delfin, Service Engineering and Management, Mapua University, Manila, Philippines

ID 51  Customer Satisfaction and Loyalty Towards Online Food Delivery Services in Indonesia: A Conceptual Model of P-SERVQUAL 4.0
Nisa Aqilla Ellenah Entifar, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Indonesia
Retro Wulan Damayanti, Industrial Engineering Study Program, Faculty of Engineering, Center of Technology Development and Industrial Collaboration, Institute for Research and Community Service, Universitas Sebelas Maret, Surakarta, Indonesia
Eko Pujiyanto, Industrial Engineering Study Program, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

ID 214  Does Service Climate Matters for Supply Chain Resilience and Performance of Logistics Service Provider?
Darjat Sudrajat, Engkos Achmad Kuncoro, Leo Andri Yulius Caesar, Anisa Larasati and Agung Sudjadicko, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

ID 52  Factors Combination Affecting Borobudur Temple Visitor’s Satisfaction in Indonesia during Covid-19 Pandemic and New Normal Era
Dicka Korintus Kurnianto, Undergraduate Program of Industrial Engineering Study Program, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Indonesia
Retro Wulan Damayanti, Industrial Engineering Study Program, Faculty of Engineering, Center of Technology Development and Industrial Collaboration, Institute for Research and Community Service, Universitas Sebelas Maret, Surakarta, Indonesia
Eko Pujiyanto, Industrial Engineering Study Program, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

ID 53  Literature review of the Internet Provider Service Quality based on Sentiment Analysis
Ferdinanda Pascha Hasian, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Indonesia
Retro Wulan Damayanti, Industrial Engineering Study Program, Faculty of Engineering, Center of Technology Development and Industrial Collaboration, Institute for Research and Community Service, Universitas Sebelas Maret Surakarta, Indonesia
Eko Pujiyanto, Industrial Engineering Study Program, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

ID 536  Factors Influencing User Satisfaction in Electronic Wallet (E-Wallet) Platforms in Metro Manila: An Application of the ES-QUAL Model
Shekainah Kelly R. Villarama and Madylaine G. Delfin, School of Industrial Engineering and Engineering Management, Mapua University, Intramuros, Manila, Philippines

ID 407  How to Enhance Purchase Intention in Dry Port Service Business
Darjat Sudrajat, Engkos Achmad Kuncoro, Aini Farmania, Michael Dimas Abi Biowo and Achmad Ichsan Aryobimo, Management Department, BINUS Business School Undergraduate Program, Bina Nusantara University, Jakarta, Indonesia

September 15 (THURSDAY) - Session: 6:00 – 7:30 pm

Diversity and Inclusion Panel Sponsored by Ford Motor Company

Panel Chair
Dr. Yugowati Praharsi
Faculty and Researcher
Business Management Department
Shipbuilding Institute of Polytechnic
Surabaya, East Java, Indonesia

Panel Speaker I
Dr. Masha Nur Salsabiela Binti Menhat
Senior Lecturer
Universiti of Malaysia Terengganu

Panel Speaker II
Yosef Daryanto, S.T., M.Sc., Ph.D., CSCA.
Assistant Professor
Department of Industrial Engineering
Universitas Atma Jaya Yogyakarta
Indonesia

Panel Speaker III
Panel Speaker IV

Dika Rahayu Widiana, Ph.D.
Assistant Professor
Study Program of Safety and Risk Engineering
Shipbuilding Institute of Polytechnic
Surabaya, East Java, Indonesia

Panel Speaker V

Izak Y. M. Lattu, Ph.D.
Director of the Center for the Study of Religion, Pluralism, and Democracy (PusAPDem)
Satya Wacana Christian University
Salatiga, Indonesia

6:00 – 8:00 pm, THURSDAY     Global Supply Chain and Logistics III     Room 2

Session Chair: Dr. Mohd. Iskandar Ilyas Tan

6:00 pm – 6:30 pm (Thursday, September 15)

Dr. Yusaini Hisham bin Mohamed
Unit Strategic Manager
Strategic Planning and Corporate Finance
Felcra Verhad
Kuala Lumpur, Malaysia

6:30 pm – 7:00 pm (Thursday, September 15)

Moestijanto Djoyo Oetomo
Halal Lead Auditor at New Zealand Islamic Development Trust (NZID) Limited
New Zealand

7:00 pm – 7:30 pm (Thursday, September 15)

Dr. Mohd. Iskandar Ilyas Tan
Co-Founder Halal Informatics (HOLISTICS) Lab Sdn. Bhd.
Universiti Teknologi Malaysia
Johor, Malaysia

6:00 – 8:00 pm, THURSDAY     Decision Sciences and EM     Room 3

Session Chair: Dr. Manik Mahachandra, Universitas Diponegoro

ID 592  Designing the Online Learning Strategies to Increase Student Satisfaction and Performance
Manik Mahachandra and Naniek Utami Handayani, Industrial Engineering Department, Faculty of Engineering, Diponegoro University, Semarang, Central Java, Indonesia
Evita Gallantry, Industrial Engineering Undergraduate Study Program, Faculty of Engineering, Diponegoro University, Semarang, Central Java, Indonesia

Ruben Sihombing and Mohammed Ali Berawi, Department of Civil and Environmental Engineering, Faculty of Engineering, Universitas Indonesia, Kampus UI Depok, Depok, Indonesia
Mustika Sari, Center for Sustainable Infrastructure Development, Faculty of Engineering, Universitas Indonesia, Kampus UI Depok, Depok, Indonesia
Department of Civil and Environmental Engineering, Faculty of Engineering, Universitas Indonesia, Kampus UI Depok, Depok, Indonesia

ID 678  Integrated Hyperledger Fabric Blockchain-BIM Model for Design Process Development of Green Building
Ruben Sihombing, Researcher, Department of Civil and Environmental Engineering, Faculty of Engineering, Universitas Indonesia, Kampus UI Depok, Depok, Indonesia
Mohammed Ali Berawi, Professor, Department of Civil and Environmental Engineering, Faculty of Engineering, Universitas Indonesia, Kampus UI Depok, Depok, Indonesia
Mustika Sari, Senior Researcher, Center for Sustainable Infrastructure Development (CSID), Faculty of Engineering, Universitas Indonesia
Kampus UI Depok, Depok, Indonesia

ID 633  Risk Management and Control to Identify Potential Work Accidents in the Production Floor Area
Nazaruddin, Muhammad Rizki and Muhammad Nur, Assistant Professor Industrial Engineering, Industrial Engineering Department, Faculty of Science and Technology, Universitas Islam Negeri Sultan Syarif Kasim Riau, Riau, Indonesia
Muhammad Luthfi Hamzah, Assistant Professor Industrial Engineering, Information System Department, Faculty of Science and Technology
ID 160  The Influence of Gender and Majors on Students Motivation to Learn During Pandemic of Covid-19 (Case Study of High School Students in Indonesia)
Linda Theresia, Gadhil Ranti and Ni Made Sudri, Industrial Engineering Department, Institut Teknologi Indonesia, Indonesia

ID 317  Ranking University’s Academic Departments Based on Research Performance: A Comparative Study of MCDM Methods
V. Reza Bayu Kurniawan, Dyah Ari Susanti, Kusmendri, Edi Susanto and Fathah Nur Hasym, Department of Industrial Engineering Universitas Sarjaniwijaya Tamansiswa Indonesia

ID 65  The Integration of AHP and SAW Methods with Multiple Decision-Makers for Supplier Selection. A Case Study of UD BSA, Surabaya
Tasya Florencia, Joniarto Parung and Evy Herowati, Industrial Engineering, Faculty of Engineering, University of Surabaya, Indonesia

ID 447  Utilization of the SAW Algorithm in Decision Support Systems for Determining Learning Strategies for Adaptive Learning
Raqaf Fisabilillah Ramadhan, Nurcahya Pradana Taufik Prakisya, Yusfia Halfid Anistryaga and Cucuk Wawan Budyanto, Informatics Education Faculty of Teacher Training and Education, Universitas Sebelas Maret, Surakarta, Indonesia

6:00 – 8:00 pm, THURSDAY  Healthcare Systems  Room 4
Session Chair: Ornurai Sangsawang, King Mongkut’s University of Technology North Bangkok

ID 74  An Analysis of Sustainable Supply Chain Management Challenges for Thai Public Hospital: A Case of Remote Area
Sirisawat P., Rodbundit T.S., Hasachoo N., and Jongsureyapart C., Business Excellence and Logistics Research Centre, School of Management, Mae Fah Luang University, Thailand

ID 460  Evaluation of Relief4U and the Development of Its Marketing Strategies
Grace Lorraine Intal, Alexandra Mikaela G. Celestial, Emmanuel Carlos T. Medina and Karl Samuel D. San Juan, School of Information Technology, Mapua University Makati, Philippines

ID 75  Exploring logistics process deficiency for public hospitals in remote area: case study of Thailand
T.S. Rodbundit, N. Hasachoo, P. Sirisawat and C. Jongsureyapart, Business Excellence and Logistics Research Centre, School of Management, Mae Fah Luang University, Thailand

ID 73  Logistical Problems in Medical Equipment Management of Thai Public Hospital in Remote Area
Hasachoo, N, Rodbundit, T.S., Sirisawat. P and Jongsureyapart. C., Business Excellence and Logistics Research Centre, School of Management, Mae Fah Luang University, Thailand

ID 166  Monitoring Working Hours of Nurses at Azra Hospital Using Smartphone Based Geofencing
Anesa Noor Aulia Putri and Asep Id Hadiana, Department of Informatics, Universitas Jenderal Achmad Yani, West Java, Cimahi, Indonesia
Sigit Anggoro, Faiza Renaldi, Universitas Jenderal Achmad Yani, West Java, Cimahi, Indonesia

ID 64  Patients Satisfaction Towards Healthcare Service Quality in Central Java: A Conceptual Model of P-SERVQUAL 4.0
Muhammad Raihan Syaifudin, Undergraduate Program in Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Indonesia
Retro Wulan Damayanti, Industrial Engineering Study Program, Faculty of Engineering Center of Technology Development and Industrial Collaboration, Institute for Research and Community Service, Universitas Sebelas Maret, Surakarta, Indonesia
Fakhritina Fahma, Industrial Engineering Study Program, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
Novianto Adi Nugroho, Medical School Study Program, Faculty of Medicine, Universitas Sebelas Maret, Surakarta, Indonesia

ID 358  Predicting Patient Arrival Rates in a Multi-Specialty Outpatient Department
Hana Ben Mbarek, Safa Bhar Layeb, Najia Omrane Aissaoui and Amel Jaoua, LR-OASIS, National Engineering School of Tunis, University of Tunis El Manar, Tunis, Tunisia
Atiell B. Hadj-Alouane, Department of Industrial Engineering and Engineering Management, College of Engineering, University of Sharjah, Sharjah, UAE

ID 103  Prediction of Heart Disease Risk Based on Geographic Variables Using Decision Tree
Bagas Aji Satria and Faiza Renaldi, Irma Santikarama, Department of Informatics, Universitas Jenderal Achmad Yani, West Java, Cimahi, Indonesia

ID 684  Public Awareness of the Automated External Defibrillators
Omural Sangsawung and Sunarin Chanta, Department of Industrial Management, Faculty of Industrial Technology and Management, King Mongkut’s University of Technology North Bangkok, Prachinburi, Thailand
Mintra Eaipinicham and Woramon Teintrakul, Department of Industrial Management, Faculty of Industrial Technology and Management, King Mongkut’s University of Technology North Bangkok, Prachinburi, Thailand
Chaiporn Vongpisal, Program in Industrial Engineering and Intelligent Manufacturing, Faculty of Engineering and Technology, Panyapiwat Institute of Management EEC Campus

ID 68  Recommendation System for Matching Patients and Doctors in Telemedicine Based on Hybrid Filtering
Yesi Sofia, Department of Informatics, Universitas Jenderal Achmad Yani, West Java, Cimahi, Indonesia
Faiza Renaldi and Irma Santikarama, Department of Information Systems, Universitas Jenderal Achmad Yani, West Java, Cimahi, Indonesia

ID 243  The Moslem Society Perception on The Importance of Korean Food’s Halal Status and Its Nutritional Value: A Descriptive Study

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<td>Declaration of Directors as an Alternative to Substitute for GMIS in Conflict-of-Interest Transactions: Comparative Study</td>
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SALIH ALMUHARRAMI, University of Islamic Sciences Malaysia

ID 769 The Effect of Social Media Marketing towards Purchase decision mediated by Brand Awareness, and Willingness to Buy, and moderated by Income Level, and Educational Level
Teguh Widodo and Falih Bagus Prasetyo, Study Program Master of Management, Faculty of Economic and Business, Telkom University, Bandung, Indonesia

6:00 – 8:00 pm, THURSDAY  
Financial Engineering  
Room 7
Session Chair: Sayyidah Maulidatul Afraah, Universitas Sebelas Maret

ID 97 Feasibility Study on Improvement of Investment Lithium Batteries By Considering Depreciation And Income Tax
Hasna Rifky Affiah, Hilmy Muhammad Aqil and M. Nurwicaksana1, M. Safely Afnan, Undergraduate of Industrial Engineering, Faculty of Engineering, Sebelas Maret University Surakarta, Indonesia
Sayyidah Maulidatul Afraah, Graduate of Industrial Engineering, Faculty of Engineering, Sebelas Maret University Surakarta, Indonesia
Muhammad Hisjam, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Indonesia
Wahyudi Sutopo, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Centre of Excellence for Electrical Energy Storage Technology, Universitas Sebelas Maret Surakarta, Indonesia

ID 722 Interpretation of Technology Transition from ICE to BEV as reflected in Conversion Economy
Imam Sya'roni, Graduate of Industrial Engineering, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Indonesia
Muhammad Hisjam, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Indonesia
Wahyudi Sutopo, University Centre of Excellence for Electrical Energy Storage Technology, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia

ID 20 Techno Economic Study on Improvement of Slaughterhouses by Considering Sensitive Analysis and Exchange Rate
Muhammad Hafiz Aditya, Hafid Maulana Yunizar, Ananda Wahyu Nur Said and Sayyidah Maulidatul Afraah, Department of Industrial Engineering, Faculty of Engineering, Sebelas Maret University Surakarta, Indonesia
Muhammad Hisjam, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret, Surakarta, Indonesia
Wahyudi Sutopo, Centre of Excellence for Electrical Energy Storage Technology, Universitas Sebelas Maret, Surakarta, Indonesia

ID 98 Techno-Economic Study on Improvement Erp Case Study by Considering Sensitivity Analysis
Bagus Susila, Dwi Zaki Nurfalz, Erika Nur Septiani and Fadhila Diaih Ayu Pratwi, Undergraduate of Industrial Engineering, Faculty of Engineering, Sebelas Maret University Surakarta, Indonesia
Muhammad Hisjam, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Universitas Sebelas Maret Surakarta, Indonesia
Wahyudi Sutopo, Research Group Industrial Engineering and Techno-Economic, Industrial Engineering Department, Faculty of Engineering, Centre of Excellence for Electrical Energy Storage Technology, Universitas Sebelas Maret Surakarta, Indonesia

ID 506 Do Environmental Disclosure and Financial Distress Affect Firm Value? The Moderating Role of Market Capitalization
Maria Jacinta Vanessa Joga, Nabilah Tri Hermawan and Risda Apriana Pratwi, Finance Program, Accounting Department, School of Accounting, Bina Nusantara University, Jakarta, Indonesia
Linda Kusumaning Wedari, Accounting Department, School of Accounting, Bina Nusantara University, Jakarta, Indonesia

ID 344 Legal Responsibilities of Peer to Peer Lending Company to Lender
Fauzan Ahmad R and Abdul Rasyid, Business Law Program, Law Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

ID 486 The Effects of Intellectual Capital on Financial Performance in Banking Industries during COVID-19 Pandemic (Evidence from Indonesia)
Celvin Angjiya, Marjonius and Maria Paramastri Hayuning Adi, Accounting Department, School of Accounting, Bina Nusantara University, Jakarta, Indonesia

ID 504 The Impact of Environmental Performance on Environmental Disclosure, moderated by Company Characteristics
Triasriartia Nur, Finance Program, Accounting Department, School of Accounting, Bina Nusantara University, Jakarta Indonesia
Rosinta Ria Panggabean, Accounting Department, School of Accounting, Bina Nusantara University, Jakarta Indonesia

ID 585 The Role of Financial Technology Education Application on Financial Investment Decisions
Russel Ruben Theo Jayadi and Noerlina, Information Systems Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia

September 15 (THURSDAY) - Session: 8:00 – 10:00 pm  
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Upcoming Events

First Australian Conference on Industrial Engineering and Operations Management
Sydney, Australia, December 20-22, 2022
Venue: Hilton Sydney, NSW, Australia

5th International Conference on Industrial and Mechanical Engineering and Operations Management™ (IMEOM)
Dhaka, Bangladesh, December 26-28, 2022
Venue: Krishibid Institution Bangladesh Complex, Farmgate + Virtual

13th Annual International Conference on Industrial Engineering and Operations Management
March 7-9, 2023, Manila, Philippines
Venue: Hilton Manila, Host: De La Salle University

4th African International Conference on Industrial Engineering and Operations Management
Lusaka, Zambia, April 4-6, 2023
Host: University of Zambia

4th South American Conference on Industrial Engineering & Operations Management
Lima, Peru, May 9-11, 2023
Venue: JW Marriott Hotel Lima

8th North American Conference on Industrial Engineering and Operations Management
Houston, Texas, USA, June 13-15, 2023
Host: Texas A&M Engineering Experiment Station Institute of Manufacturing Systems (TEES-IMS)

6th European Conference on Industrial Engineering & Operations Management
Lisbon, Portugal, July 18-20, 2023
Venue: Doubletree by Hilton Hotel
Host: NOVA School of Science and Technology – FCT NOVA