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- Campbell H.G., Dudek R. A., and Smith M. L., A heuristic algorithm for the n job, m machine sequencing problem, Journal Management Science, vol.16, no. 11, pp. 630-637, 1970.
- Conway, R. W., et al., Theory of Scheduling, Addison Wesley, Massachusets, 1967.
- Forgaty D. W., Hoffman T. R., and Stonebraker P. W., *Production and Operation Management*, South-Western Publishing Company, Nashville, 1989.
- Glover, F., and Laguna M., Target analysis to improve a tabu search method for machine scheduling, *The Arabian Journal for Science and Engineering*, vol. 16, no. 2B, pp. 239-253, 1991.
- Janiak, A., Kozan, E., Lichtenstein, M., and Oğus, C., Metaheuristic approaches to the hybrid flow shop scheduling problem with a cost-related criterion, *Int. J. Production Economics*, vol. 105, pp. 407-424, 2007.
- Pinedo M., and Chao, X., *Operations Scheduling with Applications in Manufacturing and Services*, McGraw-Hill, Singapore, 1999.
- Nawaz, M., Enscore, E., and Ham I., A heuristic algorithm for m-machine, n-job flow-shop sequencing problem, *Journal Omega*, vol. 11, no. 1, pp. 91-95, 1983.
- Pinedo, M., Scheduling : Theory, Algorithms and Systems, Springer, New York, 2012.
- Sutalaksana, I. Z., Ruhana A., and Jann H. Tjakraatmadja., *Teknik Perancangan Sistem Kerja*, Institut Teknologi Bandung, Bandung, 2006.
- Taillard, E., Some efficient heuristic methods for the flow shop sequencing problem, *European Journal of Operation Research*, vol. 47, pp. 65-74, 1990.
- Rajendran, C., and Zieger H., Ant colony algorithms for permutation flowshop scheduling to minimize makespan/total flowtime jobs, *European Journal of Operation Research*, vol. 155, pp. 426-438, 2004.
- Guinet, A., Solomon, M. M., Kedia, P. K., Dussauchoy, A., A computational study of heuristic for two-stage flexible flowshops, *International Journal Production Res.* 34, pp. 1399-1415, 1996.

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Liesly Liesly, was born in Indonesia in 1997. She is an undergraduated student of Tarumanagara University majoring in Industrial Engineering. She had been given two scholarships from Djarum Foundation and Marga Pembangunan Jaya Foundation in her college years. In 2018, she had an internship at PT. Nagata Indonesia at production system division and carried out a research about scheduling system at PT. Plasindo Elok to achieve her bachelor degree.

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