

Sustainable Construction Through The Application Of Lean Principles

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Abstract

The pressure to the construction companies to promote sustainable development is increasing given that construction is a huge consumer of resources. This research is intended to evaluate the application of lean principles in the Philippine construction industry towards achieving sustainable construction. Specifically, the study sought to find out the level of agreement of the respondents on sustainable construction practices and lean principles when grouped according to profiles. The study used descriptive method of research and a survey questionnaire have been administered as the research instrument. Statistical treatment is applied to analyze the data gathered

The findings revealed that the respondents agree on sustainable construction practices as well as on lean principles in their respective companies. But the difference on the level of agreement when grouped according to profiles is not significant on some strategies.

Hence, even respondents agreed on the sustainable construction practices as well as lean principles, it cannot be established that there is a structured application of lean principles in the construction project management of the local construction companies, henceforth, contributing to the achievement of sustainable construction practices.

Further studies on the field be carried out as a collective efforts to justify the finding of this research.

Keywords

Sustainability, Sustainable Construction, Lean Principles

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Biography / Biographies (for single author – biography and multiple authors- biographies) – 12 font bold

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