



Emperical Evidenece on Construction Waste Management among Kota Bharu Malaysian Construction Industry: a PLS-SEM Approach

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Abstract

In Malaysia, construction companies have played a great role in the growth of the country's economy over the years. The poor motivation for the implementation of the construction on-site waste reduction, insufficient waste management skills, the shortage of appropriately designed and decently handled landfill system, lack of teamwork, unequal workload and task distribution among the divisions are the result of poor organizational structure among construction firms. Lack of frequent staff training, management performance, and human resource management practices and the problems of waste management regulations have also resulted in improper enforcement of waste management policy and planning framework for waste management. To address the aforementioned issue, this paper aims to 1) investigate the significant relationship between specialization and construction waste management (waste reduction) in Kota Bharu construction industry, 2) investigate the significant relationship between standardization and construction waste management (waste reduction) in Kota Bharu construction industry. 95 construction companies that are registered under the CIDB Malaysia among Kota Bharu, Malaysia construction companies were surveyed. PLS-SEM technique was used in this research to assess both the measurement and structural models. The results showed that specialization played a significant positive role in construction waste management (waste reduction) among construction companies operating in Kelantan, Malaysia.

Keywords: Construction industry, Organizational structure, Construction waste management.

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