

A Study on Site Waste Management Plan (SWMP) to Realize Sustainable Construction Waste Management System in Malaysia

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ABSTRACT

Waste management and sustainability are two major philosophies that the construction industry must acknowledge and implement. As the Malaysian construction industry continues to grow nowadays, this thriving industry has become one of the single largest waste streams in the country. Therefore managing construction waste is an issue as it will give negative impact to the environment if not properly handled. This study concerns on the current status of waste management in the Malaysian construction industry. It examines the current practice of a more structured approach to on-site sustainable resource and waste management, which is the "Site Waste Management Plan" and observes any inter-relationship with sustainability. The Site Waste Management Plan is a framework that has been used in other developed countries such as UK and Europe which has successfully reduced on-site construction waste generation. This study also discusses the different types of construction waste and waste management strategies to minimize construction waste. The aim of this research is to explore the industry's level of awareness and level of implementation of Site Waste Management Plan in relation to achieve sustainable waste management in Malaysia. This study concludes with recommendations for the current practice of Site Waste Management Plan in Malaysia, based on the empirical findings of this research.

