

**DEPARTMENT OF QUANTITY SURVEYING
FACULTY OF ARCHITECTURE,
PLANNING & SURVEYING
UNIVERSITI TEKNOLOGI MARA PERAK**

**WASTE MANAGEMENT SYSTEM IN
CONSTRUCTION INDUSTRY: IMPROVING
METHODS IN MANAGING BUILDING WASTE
MATERIALS**

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**PREPARED BY: SITI RABIAH BINTI ROSLAN
(2017488816)**

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ABSTRACT

Nowadays, the increasing amount of construction waste leads to the adverse impact towards environment, economic and social. This is because of the rapid growth of population increased along with development of the new building. Therefore, current construction waste management must fully developed in order to cater with the current development. The methods of managing waste must suitable with the waste materials itself so that the waste are not mistakenly placed. Thus, this research aims to determine the appropriate methods in managing building waste materials. This research also focuses on two objectives which are to identify the problems of current methods in managing building waste materials and to determine the best solution in managing building waste materials. To achieve these objectives, a quantitative method is adopted where the questionnaires were distributed to the contractors Grade 7 in Klang Valley. A total of 118 of questionnaires survey had been distributed by hand and by email to the contractors Grade 7 who handled on-going building projects. Out of 118 were distributed, only 50 of the questionnaire surveys were returned. The data analysed by using Statistical Package for the Social Sciences (SPSS) software version 24. The finding reveals that high cost of transportation the waste and the acts of waste management are drafted in a more general manner are the problems in current methods of building waste materials. While, adopting green building technology or material is the solution in improving methods of managing building waste materials. These findings could improve the current methods in managing building waste materials.

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CHAPTER 1

INTRODUCTION

1.1 RESEARCH BACKGROUND

Construction waste is considered as part of the Municipal Solid Waste (MSW). According to Agumuthu, Hamid & Khidzir (2009) MSW totally undeveloped until the late 1970s. After 1970s, many government policies has been introduced. Nowadays, construction waste has become one of the major generator of waste as the development of economic and urbanisation especially in developing countries. And it becomes a vital issues that need to be solved immediately. Of course, Malaysia is one of the country that developing right now also make a huge numbers of waste. Ministry of Housing and Local Government (MHLG) in 2012 stated that total solid waste generation in Malaysia approximately to be calculated as much as 41 per cent. This is due to the immense amount of construction has been built, hence the number of disposals are also highly increase in the construction works.

Basically, a proper waste management system is required in managing construction waste in order to reduce adverse impact towards environment, economic and social. Hence, it is necessary to explore the types of building waste materials as it is to determine the proper waste management system either landfilling, incineration, recycling, etc. Therefore, the handling of building waste will be different if the types of building waste materials different.