

**CENTRE OF STUDIES FOR BUILDING SURVEYING  
FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING  
UNIVERSITI TEKNOLOGI MARA**

**A STUDY ON CONSTRUCTION WASTE AND DEBRIS  
MANAGEMENT IN MAJLIS PERBANDARAN SUBANG JAYA  
(MPSJ)**

**ABDUR RAZAK BIN ALIMIN  
(2012525057)**

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**“I hereby declare that this academic project is the result of my own  
research except for the quotation and summary which have been  
acknowledged”**

**Student's Name : Abdur Razak Bin Alimin**

**Signature : **

**UiTM No. : 2012525057**

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## **ABSTRACT**

Malaysia construction industry nowadays generates a large quantity of construction waste on new development project, demolition and renovation works. Construction debris and waste can be defined as a mixture of surplus materials arising from any excavation, civil or building construction, site clearance demolition activities, road works, and building works. The disposal of construction and debris waste at landfills has caused major environmental concerns and government sources indicate that there is an acute shortage of landfill space in Malaysia. The aims of this study are to give background management and implementation of construction and debris waste problems in Malaysia and propose a practical guidance to building professional on how to manage and minimise construction waste and debris on MPSJ and contractor perspective in current trend of construction industry. Construction site waste management is not the major issues in construction site nowadays. But, with the new development of town and country, it probably will increase time to time and it is also effect directly into environmental issues. Further developments are recommended to develop a scientific methodology to do inadequate and advance planning on construction and debris waste. Furthermore, more practical support is required to enforce the implementation of construction & debris waste management scheme and plan in the construction and building field. It is also recommended to extend further research on to developing programmes on long term step in order to create and increasing level of awareness to construction waste and debris management Malaysia construction industry

## **CHAPTER 1**

### **INTRODUCTION**

#### **1.1 BACKGROUND STUDY**

Current problems of environmental issue is in well known globally, waste generated from many sources which needs to be concerned by professional bodies such as, government, local authority, contractors must be more aware of waste issues. Among those sources of domestic, municipal factory waste, Malaysia construction industry contributes and generate a major waste category under solid waste in this country. Construction waste can be exist at every construction phase activities, but most of those involved in the operation some parties are not concerned about proper managing construction waste. Waste level of the pre-stage of construction activities can be low because there is less work started on this stage and the most significant waste level can be observed during the construction stage, especially on sites where full developed and all resources have been used. New planning and program on conducting advancing construction waste control are being applied in many countries nowadays.

Statement in the above shows, that the local authority plays important role in order to manage or overcome this issue, especially authorities have special privileges and do enforcement in order decreasing illegal construction waste and debris dumping with guideline, procedure and plan followed regulation and act that already existed in Malaysia law. Following statement showing several cases involved illegal of construction waste dumping in peninsular Malaysia which is located at Bandar Hilir, Melaka and Petaling Jaya, Selangor.