BUILDING SURVEYING DEPARTMENT FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING UNIVERSITI TEKNOLOGY MARA SERI ISKANDAR PERAK

A STUDY OF HIGH RISE BUILDING WITH COMPLEX DESIGN WHICH AFFECTING BUILDING FAÇADE MAINTENANCE WORKS

AHMAD RIFAI'E BIN CHE DAUD (2014813912)

Bachelor of Building Surveying (Hons)

JUNE 2016

SUPERVISOR'S DECLARATION

Academic Project Title:

A STUDY OF HIGH RISE BUILDING WITH COMPLEX DESIGN WHICH AFFEECTING BUILDING FAÇADE MAINTENANCE WORKS

I admit that I had read this report and from my opinion it has fulfilled the requirements and qualified for the purpose of conferment of Degree or Bachelor in BUILDING SURVEYING (Hons.).

Signature : Supervisor's Name: Puan Zuraihana Ahmad Zawawi Date :

ABSTRACT

High rise building is commonly developed well, especially in the compact areas such as cities. Development or construction of the high rise building is increasing because of demand and also limited of the space. High rise buildings are divided into many types such as commercial, residential and so on. To make it more effective, there are combinations of the types in single high rise building. Nowadays, most of the high rise building is built by the architect with complex design due to modern development. It's based on the idea and creativity of the architect regarding to the concept. So, with the modern design of the buildings which means the materials use for the façade is according to the design. Materials selection is one of the big factors to be considered and it must be suitable and well plan for the future maintenance activity. Maintenance is one of the future works after the building is complete because to keep the building function and long life span. Building design will obviously affect the maintenance works especially the façade. To keep the façade maintain, the machinery accessibility should be provided at the building. Menara Telekom and Bangunan Tabung Haji as the case study for the study intent to gain the information and data on the topic of the study. The actual result based on objectives will be achieved after completing the data analysis and finding about the design of the building is related to material and maintenance.

ii

ACKNOWLEDGEMENT

First of all, I would like to thanks to Allah SWT for the blessing. It is because, I successfully managed to finish the study of Academic Project BSS658. I also would like to thanks to my kind hearted supervisor, Puan Zuraihana Ahmad Zawawi for the advice and guidance for completing this academic project. Without her guidance and advice, I will never make my research completed. Besides, the lecturers from the Building Surveying Department also giving their help in finishing my research and I would like to thanks to them also.

For my respondents for both buildings of my case study, Menara Telekom and Bangunan Tabung Haji, I would like to thanks a lot for giving a cooperation in serving my interview question.

To my family especially my parents and also my siblings, thanks for supporting me in completing my research. Your motivation and support give me a strength and fortitude to continue and complete the study.

Last, thanks from me for the friend who help me a lot especially my classmates and housemates. Your righteousness that I will be remembered and praised thy high. A million thank you to everyone.

iii

CONTENTS

TITLES	PAGES
Dedication	I
Abstract	li
Acknowledgement	iii
Table of Contents	iv-viii
List of Photos	viii-ix
List of Figures	ix
List of Tables	ix-x

CHAPTER 1: INTRODUCTION

1.0 Introduction	1-2
1.1 Problem Statement	2-3
1.2 Aim and Objectives	4
1.3 Scope of Study	4
1.4 Methodology	5-7

CHAPTER 2: LITERATURE REVIEW

2.0 Introduction	8	
2.1 Description of Building	8	