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

CONDITION ASSESSMENT OF POLICE DISTRICT HEADQUARTERS IN SELANGOR

FAZREENA ABDUL KARIM (2009126447)

Academic Project submitted in partial fulfilment of the requirements for the degree of Bachelor of Building Surveying (Hons) Centre of Studies in Building Surveying Faculty of Architecture, Planning & Surveying

July 2012

ABSTRACT

This dissertation discusses the defects happened in the government buildings in Malaysia which is in the Police District Headquarters. The building was known to be built in 1920's and it was only used up until 2010 as there was not much maintenance program done to those buildings. The important factor of building inspection at government buildings is to ensure the safety of building occupants during their working hours and also to ensure the long-term building performance.

In the current situation, it can be seen that the Royal Police Malaysian is given many new buildings at new different locations for better working environment. Therefore, the old buildings which are still in operation are left unattended and there is no maintenance work program implemented to maintain them.

The research methods of this research are to carry out a visual inspection on the building's condition and to interview the person in-charge of the buildings to gain data. The data collected together with the analysis will give the actual situation of what is happening at those old buildings.

Every government building should be maintained well as it is the asset of the government for investment to gain income. A strong financial position can also help those old buildings to function well and at the same time having a better and pleasant view.

ACKNOWLEDGEMENT

I have managed to finish this dissertation on time. First and foremost, I would like to express my greater appreciation to my Supervisor, PM Sr Dr Hj Ahmad Ezanee Hashim, who has supported me throughout my thesis. Without his excellent guide, patience and encouragement I would not be able to complete this dissertation.

I would like to thank these wonderful people at the IPD Ampang Jaya, DSP Dilon and Encik Madi; IPD Klang Selatan, Sjn Muruges; IPD Hulu Selangor, Insp Azrol Affandy and Sjn Nazari; and last but not least at IPD Sabak Bernam, Sarjan Abdullah and Kpl Mokhtar; for the time and information that they spared for me during the site visit. My gratitude also goes to all the staff at every case study that I visited for the cooperation in answering my questionnaires.

I would also like to thank to all my beloved friends and my sister, Farhana Abdul Karim, who have been supportive in giving ideas and information for the dissertation. To my parents, **Sector** thank you so much for being so understanding and for giving me space and courage to complete this dissertation. Without their supports and blessings, I will never go this far.

I hope this dissertation will give me a wider knowledge on building defects and maintenance in building. It is also hoped that I can contribute more in the process of building maintenance for the company that I am going to work for once I graduate.

Thank You.

LIST OF FIGURES

	DESCRIPTION	PAGE
Figure 1	Ceiling collapsed at the multipurpose hall of the Entrepreneur Development and Cooperatives Ministry in Putrajaya	8
Figure 2	Condition Assessment Process	18
Figure 3	Condition Assessments Ratings	22
Figure 4	Priority Assessment	33
Figure 5	Location of Ibu Pejabat Polis Daerah (IPD) Ampang colored in red and Traffic Department coloured in yellow	41
Figure 6	Ibu Pejabat Polis Daerah Ampang Jaya, Selangor	41
Figure 7	Traffic Police Station at Jalan Ampang, Selangor	42
Figure 8	Location of every administration block at IPD Ampang Jaya	42
Figure 9	Flat roof condition at four-storey administration blockwhere no proper drainage system applied at the roof	44
Figure 10	Pitch roof condition at old quarters block	44
Figure 11	Pitch roof at Criminal Department block visually lookspleasant with no major defects	45
Figure 12	Leaking at flat roof joints at Balai Polis Ampang area has led to fungus attack	45
Figure 13	Different level at Balai Polis Ampang flat roof area located at 2 nd floor corridor	46
Figure 14:	Pitch roof condition at Ampang Traffic Police Stationlooks quite good	46
Figure 15:	Peeling off paint at lower part of wall at toilet area (at	48

	Workshop block)	
Figure 16	Peeling off paint in office wall at Ampang Traffic	48
	Police Station	
Figure 17	Dampness at toilet wall at the four-storey administration	49
	block	
Figure 18	Dampness reading at toilet wall shows high presence of	49
	moisture content	
Figure 19	Dampness led to fungus growth at Criminal block's	50
	wall can be seen from the external view	
Figure 20	Moisture reading at the area shows high presence of	50
	moisture content	
Figure 21	Dampness led to reaction of fungus growth and crack at	51
	toilet wall (at Ampang Traffic Police Station)	
Figure 22	Dampness reading at the damp wall shows that the	51
	moisture level is high as it shows red indicatio	
Figure 23	Dampness at toilet wall ends up with blistering of paint	52
Figure 24	Vertical crack at the extention office area at ground	52
	floor of four-storey administration block.	
Figure 25	Timber flooring system at Logistic Department office	53
Figure 26	Timber flooring defects at Logistic Department office	54
Figure 27	Unlevelling timber flooring is signs of timber rot	54
Figure 28	Timber flooring defects at Logistic Department office	55
Figure 29	Cement render finishes at corridor	55
Figure 30	Cracks in between apron and floor finishes at four-	56
	storey administration block	
Figure 31	Measuring cracks with measuring tape	56
Figure 32	Crack in between apron and wall at Narcotic	57
	Department block perimeter	