



**DEPARTMENT OF BUILDING SURVEYING  
FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING  
UNIVERSITI TEKNOLOGI MARA**

**CENTRALIZED AIR-CONDITION &  
SPLIT UNIT AIR-CONDITION SYSTEM**

**MOHD ANIQ FARHAN BIN KHAIZIR  
2012869894  
DIPLOMA IN BUILDING SURVEYING**

**PRACTICAL TRAINING REPORT  
DECEMBER 2014 – APRIL 2015**

DECLARATION:

I hereby admit that this report is the result of my own efforts, except for the certain parts that are attached from sources that specified in reference chapter.

Prepared By:

.....  
(MOHD ANIQ FARHAN BIN KHAIZIR)

Date:

Approved By:

.....  
(EN MOHD ZAKI BIN SHAMSUDIN)  
Supervising Lecturer

Date:

## **ACKNOWLEDGEMENT**

I would like to thanks to my beloved Building Survey Lecturer and my supervisor, Mr. Mohd Zaki Bin Shamsudin that guide me in completing my task who always support and help me throughout the progress and smoothness my progress in doing the practical report. I am truly appreciated with the cooperation.

Special thanks to Mr. Mohd Hairy Bin Ramli as Maintenance Manager of Darul Quran, to my supervisor Mr. Faridil Adha Bin Abu Nasir and to all the staff of the company. Thanks to all hard worked and contribution on sharing knowledge and smoothen my practical training at this company. My practical training will not complete successfully without the cooperation and guidance from the all the maintenance staff.

Last but not least, I would like to thanks to my family and friends who involve and always support me in order for me to finish and completing this report.

## **ABSTRACT**

Generally, this report is about the system of air-conditioning system that has been used in the Darul Quran building. Darul Quran is using the centralized air-conditioning system and the split unit air-conditioning system.

In this report, I have been discussing on the process of the air-conditioning system from the starting to the end, each components in the system and also the advantages and disadvantages on the system used.

Besides that, I have also mention about the maintenance strategy for the air-conditioning system used such as preventive and corrective maintenance.

## TABLE OF CONTENT

NO	CONTENT	PAGE
1.	<b>INTRODUCTION TO PRACTICAL TRAINING</b>	<b>1-6</b>
2.	<b>THE DETAIL OF THE PROPERTY</b>	<b>7-14</b>
3.	<b>DEPARTMENT OF MAINTENANCE MANAGEMENT</b>	<b>15-19</b>
4.	<b>CASE STUDY - AIR CONDITIONING SYSTEM IN DARUL QURAN JAKIM</b>	<b>20-57</b>
5.	<b>SUMMARY</b>	<b>58-59</b>
6.	<b>REFERNCES</b>	<b>60-61</b>