

DEPARTMENT OF BUILDING SURVEYING FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING UNIVERSITI TEKNOLOGI MARA CAWANGAN PERAK KAMPUS SERI ISKANDAR

CASE STUDY: INSTALLATION OF WATERPROOFING SYSTEM AT PUTRA HEIGHTS

AHMAD SYAHMI BIN KAMARUZAMAN (2014693234) DIPLOMA IN BUILDING SURVEYING

PRACTICAL TRAINING REPORT DECEMBER 2016 – MARCH 2017

DECLARATION:	
I hereby admit that this report is the result of my own for the certain parts that are attached from sources the reference chapter.	
Prepared By:	
(AHMAD SYAHMI BIN KAMARUZAMAN)	Date:
Approved By:	
(MADAM NOREHAN HAJI MOHD NOOR)	Date:

ACKNOWLEDGEMENT

Assalamualaikum wbt.

Before we started our investigation, first of all I would like to praised and thanked to Allah SWT because of his mercy and bless we can complete this task and report with good and ease. I also would like to thank to all the staffs at TJ Civil & Structural Contractor Sdn.Bhd for helping with the process of industrial training especially the project manager and supervisor that always gives advices, knowledges and tips in the construction industry. Besides that, not to be forget Madam Norehan Hj.Mohd Noor as my for BSR 360, code subject for Building Surveying Practical Training, because of their knowledge and advices made us can complete this assignment. With their help, we also believe that we can do this report properly and good thus can give us the best marks. As well also, I would like to deliver appreciation and thanks to the worker because their cooperation and commitment in finishing this report During the work in progress, Alhamdulillah all is well and good communication with the supervisors and workers at site..

Lastly, I would like to thank to anyone or to all parties that helped us during making this report and during working at the worksite.

Thank you.

CONTENTS	PAGES
ACKNOWLEDGEMENT	I
CHAPTER 1: INTRODUCTION	
1.1 INTRODUCTION OF INDUSTRIAL TRAINING (INTRA)	1
1.2 OBJECTIVES OF INDUSTRIAL TRAINING	3
1.2.1 OBJECTIVES TO BE ACHIEVED BY TRAINEE	
1.3 LOCATION PLAN OF INDUSTRIAL TRAINING	4
1.4 COMPANY BACKGROUND	5
1.5 COMPANY INFORMATION	7
1.5.1 REGISTRATION CERTIFICATES	9
1.6 TJ GROUP CORPORATE VISION & MISSION	15
1.7 COMPANY CORPORATE LOGO	16
1.8 ORGANISATION CHART	17
1.8.1 BOARD OF DIRECTORS	19
1.8.2 MANAGEMENT TEAM	21
1.9 LIST OF COMPLETED PROJECTS	25
1.10 SCOPE OF WORK	34
CHAPTER 2: LITERATURE REVIEW	36
2.1 INTRODUCTION	
2.2 DEFINATION OF WATERPOOFING SYSTEM	42
2.3 TYPES OF WATERPROOFING SYSTEM IN BUILDING	43
2.3.1 Cementitious Waterproofing Method	43
2.4 <u>METHOD STATEMENT</u>	53
2.4.1 Application of sikalastic 1kmy	
2.4.1 Application of sikatop seal 109my	55
22 12pp.1000101 01 8111000p 8001 107 111,	58
2.3.2 Liquid Applied Waterproofing Membrane	61
2.5 <u>METHOD STATEMENT</u>	
2.3.3 Bituminous Self-Adhesive Membrane Waterproofing	72
Method	
2.6 <u>METHOD STATEMENT</u>	77

CHAPTER 1: INTRODUCTION

1.1 Intoduction of Industrial Training (Intra).

Industrial Training (INTRA) is a compulsory activity for all Universiti Teknologi Mara students in Malaysia to enable them to graduate. Furthermore, it also refers to work experience that is relevant to professional development. One of the requirements for the award is that students must complete the Industrial Training period for sixteen (16) weeks. It is compulsory to complete the Industrial Training programme which contains eight (8) credit hours in order to fulfill the requirements for diploma programme that have been offered by the university. Students are required to submit an Industrial Training report at the end of the training period. Students also are required to perform Presentation which will be conducted at Uitm Perak. This phase of learning is very important to ensure every student are expose to the real industrial culture with experience related to their subjects or programme, thus building up professionalism and self-esteem for student future carrier. Assessment component for this industrial training required:

- I. Company Supervisor Evaluation
- ii. Logbook
- iii. Report
- iv. Presentation