



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

**THE APPLICATION OF LIQUID MEMBRANE WATERPROOFING SYSTEM FOR
WATER TANK WORK AT KOLEJ PASIR SALAK UITM SERI ISKANDAR**

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2015926013
DIPLOMA IN BUILDING SURVEYING**

**PRACTICAL TRAINING REPORT
SEPTEMBER 2018 – JANUARY 2019**

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This practical training report is fulfilment of the practical training course.

PREPARED BY : NUR FATIN SYAMIMI BINTI MOHD AFANDI
SUPERVISING LECTURER : SR. NAZHATULZALKIS BT JAMALUDIN

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:

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(NUR FATIN SYAMIMI BT MOHD AFANDI)

Date:

Approved By:

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(SR. NAZHATULZALKIS BT JAMALUDIN)

Date:

ACKNOWLEDGEMENT

Practical training is a chance or opportunity for student to adapt what they have learned in practice and develop professionally. During practical training period, student was exposed to various areas of the organization and also the real experience of working environment.

Firstly, I thank to Allah SWT for His blessings and giving me the strength to complete my final report for Practical Training. I would like to express my gratitude to those who help me and give full cooperation whether physically or technically in completing my practical training report.

I would like to express my thankful to the Director of Office of Facility Management (PPF) in UiTM Seri Iskandar, Hajah Nor Azizah bt Omar for giving me the opportunity to join their team of work at the company as to give good management and services for customers.

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ABSTRACT

Waterproofing is defined as the process of making an object or structure waterproof or water-resistant so that it will remain unaffected by water or resisting the ingress of water under specified conditions. Waterproofing is used in reference to building structures such as basements, flat roofs and wet areas. Modern items also can be waterproofed by applying water-repellent coatings. There are several components that will contribute to a waterproofing system such as drainage composites that direct water away from structures, tie-ins between façade and foundation membranes. There are two types of waterproofing which are liquid membrane waterproofing and sheet membrane waterproofing. In this case study, the topic chosen is The Application of Liquid Membrane Waterproofing System For Water Tank Work at Kolej Pasir Salak UiTM Seri Iskandar. In the application works, the type of waterproofing used is liquid membrane. The liquid membrane used is a cement-based material which is Sika Top Seal 107 Part A and Part B. The Sika Top Seal 107 Part A and Part B will be mixed very well to produce a good waterproofing. During the process of application works, there are several problems occurred such as narrow space and poor workmanship.