



**DEPARTMENT OF BUILDING
UNIVERSITI TEKNOLOGI MARA
(PERAK)**

FIRE ALARM MAINTENANCE

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ABSTRACT

This internship report serve the purpose to record the detail of my industrial training which conducted at EME Resource Sdn.Bhd which is one of construction company in Johor. This report will cover the detail of my internship in this company for duration of five months which began from 23 August 2021 until 7 January 2022.

All the undergraduate students from department of building Universiti Teknologi Mara are compulsory to attend 20 weeks Industrial Training during the period of their study. The purpose of this industrial training is to expose the students to the world of careers and working environment and also offer a chance for them to apply all the knowledge which learnt in the lecture room during their training. The main goal of this industrial training is to enhance student's knowledge and their skills in their respect profession in line with the graduates with professional, ethical, skilled, creatives and competent.

Besides that, there also have several others objectives of industrial training such as expose the students to the environment and working condition in their respective field, to use the knowledge of the industrial training and this might be useful in the study, to train students to interact and communicate effectively at all levels in the workplace and to appreciate the ethical values of their profession. During 20 weeks industrial training at EME Resource Sdn. Bhd, the objective and the purpose of the training had been achieve successfully. Student had been implant suitable knowledge and also the ethic of building study. Then, there are many training conducted at the company and the related knowledge will help the students and the staff of the plant execute the job more effectively. Meanwhile, the student also given a chance to get involved in the building daily job and this will be useful in the future. As a summary, the company was as playing an important role to guide the students in complete their internship.

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CHAPTER 1.0

INTRODUCTION

1.1 Background of Study

To begin with, in order to prioritize human lives and the property; a fire fighting system is undoubtedly the most significant part of the building services. A fire can spark in an instant and spread within seconds that have a possibility to sweep all the livings and the non-livings off. By the reason of that, firefighting system should be placed regardless the type of the building in order to reduce the damage. Another reason is, without them the lives of those inside the building are placed at high risk during an emergency. As an old folk says, prevention is better than curing.

The functionality of fire protection systems is important to understand as the systems work in different ways, yet they all still have a common goal which is to detect a fire and protect the building, its occupants, and valuables. Smoke detector and a sprinkler both are known as the most common fire protection system where the smoke will set off the detector immediately upon the fire sparks and causing the sprinkler system to activate. Although using them both is such an effective method which the water protects against the spread of fire, but dealing with certain critical equipment or special hazards, it is way better to use automatic fire suppression system that contained clean agents as they can detect and suppress fire without leaving any residue. There are a lot of things everyone should know and learn about fire protection system; thus, the aim of this report is to discover a deeper facts of fire protection system.

1.2 Objective of Studies

- i. To identify the types of fire protection used at TNB Pasir Gudang.
- ii. To investigate the benefits of applying fire protection system in the building.
- iii. To determine the maintenance of fire protection system.