



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

**METHOD OF ROAD CONSTRUCTION**

**Prepared by:  
AHMAD SYAMIL BIN SHAHRUNNIZAM  
2019209922**

## **ACKNOWLEDGEMENT**

Alhamdulillah, praise to Allah, the Most Merciful, the Most Graceful.

Finding a company for practical training is not easy, I have rejected several times because some company only hiring degree student for their internship, and some company does not take internship student because of financial problem due to current situation, because of this I would like to express my special thanks of gratitude to my project manger also a supervisor Mr. Jack for taking me as practical worker and willing to give me an opportunity to complete my practical at IK Mega Road City Builders. Besides that, I really appreciate all the help and guidance that have been given to me while working with him, he has open my eyes and my mind how different was study and working on a site which is on site we need to use our brain on how to find a solution of problem that we face during the on going construction activity. Moreover, I would like to thank to my clerk also as quantity surveyor Mrs. Rina for remind me and update me on my work at site, such as give and information which site that I need to go. All this helps was enhancing my understanding work on site with all this knowledge it might be useful one day.

I also would like to thank to all lecture that have taught me from semester 1 until now, not to forget to those lecture that help me during my practical training which is Sir Ezzat, Pn Rizalinda, and Dr Hasni for all the help before and after my practical training at IK Mega Road City Builders. Moreover, I would like to say thank you to my parents for give all the support for me from the beginning of my first semester in UiTM Seri Iskandar.

## **ABSTRACT**

Road is one of the most important public facilities now day, its widely used by all human being to travel for place to place. In this case this report will discuss all about rode, how its made and what machineries that are used in making of road. This report was conducted at different places, and it will be combine in this report, the aim of this report is to study the method for building a road and study the standard Malaysian rode that are approve by JKR.

## LIST OF TABLES

| NO. | TABLE       | TITLE                |
|-----|-------------|----------------------|
| 1.  | Table 2.2   | Company Background   |
| 2.  | Table 2.3   | Company Organization |
| 3.  | Table 2.4.1 | Completed Project    |
| 4.  | Table 2.4.2 | Ongoing Project      |

## CHAPTER 1.0

### INTRODUCTION

#### 1.1 Background of Study

Road is the most used facilities by all people around the world to travels to other places by land vehicles or its use as landing platform for aeroplane at the airport. Road was the evolution of animal path which are found about 6000bc, and the earliest construction road are builds was about 4000bc that are founded at Iraq and it's consist of stone. Now days roads are made by asphalt that are combine with bitumen to make it glue with each other, after the bitumen is harden the asphalt will not be easy to break apart. The reason road are made by asphalt is because higher energy efficiency, smooth asphalt reduce the friction between tires and roads, which means better fuel economy and reduce carbon dioxide emissions. Special warm mix asphalt roads can be constructed at lower temperature, further reducing the energy required heat asphalt material for road paving. Paving, B. (2018, July 24). Why is Asphalt used for Road Surface? Edmonton Paving | Residential, Industrial & Commercial. <https://blacktoppaving.ca/why-is-asphalt-used-for-road-surface/>



Figure 1.1.1 Road Picture