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ROAD CONSTRUCTION

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**UITM ID NO:
2017207008**

ABSTRACT

A road is a route or way on land between two places that has been improved to allow travel by foot or motor vehicle such as car, motor and bicycle. Roads are the major channel for transportation to carry goods and passengers. The objectives of this research is to explore the construction of road in Taman Cenderawasih, Mukim Naga, Kedah. It will focus on method of road construction and its equipment and machineries that used to construct the road. This report also looks on the obstruction that happened during construct the road and its solution that had been taken to settle the problems. Type of road construction method that used on the site was explained on this report. The information was gathered and collected through the interview and observations on the site.

ACKNOWLEDGEMENT

First and foremost, praised to Allah for giving me the opportunity and ability to complete the practical training and completing this report successfully. The completion of this report could not have been possible without the participation and assistance from countless parties.

Therefore, I would like to express my deepest and sincere gratitude to my report supervisor, Dr Ida Nianti Binti Mohd Zin for providing me guidance, advice and encouragement throughout this practical training. I also would like to extend deepest appreciation to my practical training coordinator, En. Muhammad Naim B. Mahyuddin for always providing me information. They have taught me the methodology to carry out this training as clearly as possible. It was a great privilege and honour to work under their guidance.

Furthermore, I would like to dedicate my utmost appreciation to my employer supervisor in Amzed Development Sdn Bhd, Puan Hafidzah Binti Uzir for providing me guidance and supervision in the implementation of practical work in the organization to ensure a maximum benefits gained from the training as well as monitoring my progress from time to time.

It was a great and pleasure experience to undergo my practical training in Amzed Development Sdn Bhd, Kedah therefore I would like to express my gratitude to all the staffs and officers who were exceptionally forth coming and proactive in sharing information and knowledge as well as accepting and guiding me throughout the practical training there.

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CHAPTER 1.0

INTRODUCTION

1.1 Background and Scope of study

Road is a pathway used by people to travel from one place to another in shortest possible way with maximum riding comfort. Road interconnect all area and thus facilitate one place to another. It contributes to economic and industrial development also in social and cultural development. Road is important in transportation system because demand for transport infrastructure is rising by around 10% a year. Transport activity will continue to increase in the future as economic growth fuels transport demand and the availability of transport drives development, by facilitating specialization and trade (Newton,2007). Other than that, with just 1% of the world's vehicles, India manages to account for 10% of its road fatalities, up from 8% at last count (Gopalakrishnan,2012). Moreover, global automobile industry accounts for more than 5% of total manufacturing employment and in 2007 the total number of four wheelers produce was more than 73 million (Organisation Internationale des Constructeurs d'Automobiles 2007).

There are several methods to construct the road such as earth road method, gravel road method, water bound macadam method, concrete road method and bituminous road method. Earth road method consist of mainly earth as raw material which is to be compacted. It does not require much skill for it to be put into place. All the need is the right machinery such as excavators and rollers. This road is exposed to weather conditions if it is rainy it tends to get slippery and when hot it gets dusty. Besides, when heavy vehicles use the road there is likelihood will get dents and in the long run deteriorate. To make this type of road more long lasting, soil stabilisation must be used but this can only be implemented if the design and implementation are done professionally (Jones,2017). This method is popular at semi-rural and rural area.