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**PAD FOUNDATION CONSTRUCTION FOR PROJECT SINGLE
STOREY HOUSE AT KAMPUNG PULAU KAPAS, PANJI 15200
KOTA BHARU, KELANTAN**

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CHAPTER 1.0

INTRODUCTION

1.1 Scope and Background of Study

Pad foundation is generally shallow foundation. The main function of foundation is to give support for structures, transferring the load to layers of soil or rock that have a good sufficient bearing capacity and have a match settlement characteristics. They can be used to help to avoid settlement and another movements of structures and can grant construction on ground that might have unbalance bearing capacity. Foundation usually located at a shallow depth, also be used as deep foundation depending on the loads to be transferred and condition of the subsoil.

Pad foundation may be square, rectangular or sometimes circular concrete 'pads' that support localised single-point loads such as structural columns, groups of columns or framed structured. This load is then spread by the pad to the bearing layer of soil or rock below. Also can be used to support ground beams. They are generally of a uniform thickness, but sometimes the upper face may be sloped or stepped. The pad shaped usually depend on the nature of the applied load. Their thickness must be sufficient to distribute the load through the plan shape. They are generally reinforced on all but the smallest structures, with the reinforcement allowing higher loads to be imposed and the construction of shallower pads which require less excavation and use less concrete. The important of the foundations are provide overall lateral stability for the structure, foundation serve the function of providing a level surface for the construction of substructure, load distribution is carried out evenly, the load intensity is reduced to be within the safe bearing capacity of the soil, the soil movement effect is resisted and prevented, scouring and the undermining issues are solved by the construction of foundation.

There are many advantages and disadvantages of pad foundation like other structures or material. Pad foundations can be selected as they do not require much excavation, and are generally suitable where the bearing capacity of ground is sufficient at relatively low depths. However, they can be large in plan shape and

may not be effective against differential settlement, uplift forces or wind forces. Then, the disadvantages of pad foundation is foundation size may become very large depending on the loads and weak against uplift force and lateral forces.

There are various type of pad foundation which is plain concrete pad foundation, reinforced concrete pad foundation, combined pad foundation, continuous pad foundation and pad foundation with ground beam.

As there are many types of pad foundation, this study focusing on the procedures and method of pad foundation in site. This study explained about the pad foundation.

1.2 Objective

- I. To identify the method and procedures of constructing pad foundation.
- II. To determine types of pad foundation.

1.3 Scope of Study

Scope of study for this report include of this construction pad foundation from the beginning of work until the complete all the construction of one storey house at Kg., Pauh Panji, Kota Bharu Kelantan.

1.4 Method of Study

1. Interview and explanation with supervisor

The interview has been carried out at project site in Kg. Pauh Panji and Kg. Tanjung Chat with director of Mazil Bina and labour workers for the explanation.

2. Book

This method use for additional information and reference about pad foundation

3. Internet

Internet is use for searching to get more additional information, idea, confirmation and reference to complete this report using google or yahoo to make it faster.

4. Document Review

To archive accurate information related with pad foundation, the literature review is necessary as reference for the research. The related document files at the office which contained information linked with the construction project can be used to collect data of pad foundation.

CHAPTER 2.0

COMPANY BACKGROUND

2.1 Introduction of Company



Figure 2.1 : Company's Logo

Manzil Bina Sdn. Bhd. is a new multipurpose company that had being operate less than 1 year of period. This firm is hundred percent owned by bumiputera. This firm was developed by the idea and cooperation from En. Mohd Nazir Bin Daut and En. Wan Azri Bin Wan Omar on January 2018 and was established on February 2018 with registration number 1271860-A. Mostly, all the project at site is under En. Mohd Nazir Bin Daut based on his experiences and job and the drawing, plan is belong to En. Wan Azri Bin Wan Omar. This company was registered under Syarikat Suruhanjaya Malaysia under the Business registration act.1996. This firm is located at Pt. 596 Tingkat 3, Cherang, Jalan Hospital 15200, Kota Bharu, Kelantan. UKKB Management is a secretary for Manzil Bina. Sdn Bhd. with registration number KT 0216091-K and located at No. 200 2A, Bangunan AAC Tingkat 1, Jalan Yahya Petra, 15100 Kota Bharu, Kelantan.

First of all, the main activity of this company is development construction and renovation that have been operated within 6 years from old company experienced.