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(PERAK)**

**INSTALLING CERAMIC TILES WORK**

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**2019204936**

## ACKNOWLEDGEMENT

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

I would like to extend my heartfelt gratitude for the guidance, advice and help rendered throughout the period of training by the following group of amazing individuals. First and foremost, I would like to thank Sir Gairul Umami for the opportunity given, to conduct my training in his esteem company. His team of professionals comprising of En Ismail Bin Mohd Ejun, Madam Roshaniza Binti Rosli, En Mohd Afendy, En Mohd Shuaimy, Madam Norazura Binti Nasir and En Mohammad Iskandar Bin Samsudin, have enabled me to learn and develop my understanding, knowledge and feel of real time projects, and the theory involved in analysis of structures, building and civil works. They are also responsible towards streamlining and assessing my training. Also to the site personnel in both JKR, Negeri Sembilan and JHEAINS, who have extended their cooperation and help to further enhance my ability in understanding the procedures in construction and site administration, tests procedures, site safety and best practices in the industry. It is an honour for me to be given the opportunity to 'work' with all of you.

I would also like to thank ALL the UiTM lecturers that have taught and nurtured me in becoming a better student and person. I would also like to extend my deepest appreciation to the lecturers who are directly involved during my training stint. To Cik Nor Azizah Binti Talkis, Supervising Lecturer, En Ezzat Fahmi bin Ahmad, Evaluation Lecturer, En. Muhammad Naim Bin. Mahyuddin, Practical Training Coordinator and Dr. Dzulkarnaean Bin Ismail, Programme Coordinator, I value the time, effort, encouragement and ideas that they have contributed towards the successful completion of my training, this report and the valuable knowledge that have been shared over the last few semesters.

Last but not least, my special thanks to my beloved parents for their sacrifices over the years.

Thank you so much.

## **ABSTRACT**

Tiles in building construction are thin plates or elements used to cover surfaces like roofs, floors, and walls. Types of tiles and their applications are discussed. Tiles in the present scenario are a primary element in bringing building interior as well as exterior finishing and beauty in industrial, business, and residential installations. As for JHEAINS, this department usually take tile works on government property and maintenance work such as grave, mosque and government buildings. The purpose of this report is to show what types of tiles most of construction industry been used, cost to install the tiles and what problem on site during installation and how to occur the problem. Moreover, the purpose on this report is to know how it take to complete the installation of tiles. Other than that, the purpose of this report to know how the tiles been install.

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## CHAPTER 1.0

### INTRODUCTION

#### 1.1 Background of Study

Tiles in building construction are thin plates or elements used to cover surfaces like roofs, floors, and walls. Types of tiles and their applications are discussed (Richard Snider, 2019). Tiles in the present scenario are a primary element in bringing building interior as well as exterior finishing and beauty (Richard Snider, 2019). They are mainly made up of clay material or any form of inorganic raw material (J. Frankston, 2020). Nowadays tiles are also manufactured from recycled materials, making the element eco-friendlier (Framinan Jose M, 2014). The shape of the tiles is obtained by the different processes like extrusion or pressing at room temperature or any other method (Framinan Jose M, 2014). After the shaping, they are allowed to dry. These dried elements are subjected to fire. This stage of firing is to ensure that they gain the required properties, that they are meant to acquire when they are in the market and in the building application (Framinan Jose M, 2014). Different types of tiles used in building construction are available in glazed or unglazed form. They are incombustible in its nature. Tiles are unaffected under the light (Framinan Jose M, 2014).

There is a different type of tiles used in building construction which are unique to the type of surface where it must be applied. Following are the types of tiles based on surface of application which is roofing tiles, flooring tiles, wall tiles, and partition tiles (Richard Snider, 2019). Based on material and manufacture, following are the types of tiles used in building construction ceramic tiles or non-porcelain tiles, and porcelain tiles (Richard Snider, 2019). Ceramic tiles are used for the interior floors, swimming pools, exterior floors, walls and for special installation both in interior and exterior cases (Richard Snider, 2019). Most types of tiles come under the category of ceramic tiles. They are made from a mixture of clay and other materials. They are fired in a kiln. Following are the various types of unglazed and glazed forms of ceramic tiles (Richard Snider, 2019).