



**DEPARTMENT OF BUILDING SURVEYING
FACULTY OF ARCHITECTURE, PLANNING AND SURVEYING
UNIVERSITI TEKNOLOGI MARA**

**WALL CONSTRUCTION PROJECT AT GONG NANGKA, MUKIM KAMPUNG
RAJA, DAERAH BESUT, TERENGGANU**

**MUHAMMAD FAIZ FAKHRUDDIN BIN SHIHABUDDIN
(2012289282)
DIPLOMA IN BUILDING SURVEYING**

**PRACTICAL TRAINING REPORT
JUNE 2015 – OCTOBER 2015**

DECLARATION:

I hereby admit that this report is the result of my own efforts, except for the certain parts that are attached from sources that specified in reference chapter.

Prepared By:

.....
(MUHAMMAD FAIZ FAKHRUDDIN BIN SHIHABUDDIN) Date:

Approved By:

.....
(SR. MARIATY BAHARI)
Supervising Lecturer Date:

WALL CONSTRUCTION OF PROJECT AT GONG NANGKA, MUKIM KG RAJA, DAERAH BESUT, TERENGGANU

ACKNOWLEDGEMENT

In the name of Allah the Almighty, the most Beneficent and the most Merciful, I would like to express my deepest sense of gratitude to Him that I can manage to complete this practical training report completely. During preparing this practical training report, I would like to take this opportunity to extend my gratefulness and appreciation to the people who directly and indirectly involved during my practical training.

First of all, I would like to give my appreciate to my supervisor, Sr. Mariaty Bahari and also my practical coordinator, En Nor Amin Mohd Radzuan for their guidance, assistant and full commitment that they have given to me, throughout my practical training.

Furthermore, last but not least that I would like to express my sincere thanks, deep from my heart to Suraya Binti Salleh for giving their advices, support and taught me about industry and also help me in order to complete this report. Thanks for being my inspiration.



WALL CONSTRUCTION OF PROJECT AT GONG NANGKA, MUKIM KG RAJA, DAERAH BESUT, TERENGGANU

ABSTRACT

The purposed of writing this report is to explain about wall which is wall has known structural element used to divide or enclose, and, in building construction, to form the periphery of a room or a building which is supported the weight of floors and roofs, but modern steel and reinforced concrete frames, as well as heavy timber and other skeletal structures, require exterior walls only for shelter and sometimes dispense with them on the ground floor to permit easier access.

The report also containing the introduction of industrial training which is included the objectives and benefits of industrial training to students. One of the benefits is gain work experience and transferable skills. In chapter 2, the report is about company background which is about Abdul Rahman Company. Abdul Rahman Company was located at Kampung Gong Kepas Dalam, Besut Terengganu. Chapter 2 also included the organizations charts, vision, mission and objectives.

Meanwhile, in chapter 3, it is about literature review of wall. Which is including definition of wall, function of wall, basic types of wall, wall system, basic wall structure and basic type of wall. Lastly in chapter 4, my case study is at Gong Nangka, Kampung Raja, Besut, which is project of. In this chapter, I will explain more about the wall structure that has been used to complete the building.



WALL CONSTRUCTION OF PROJECT AT GONG NANGKA, MUKIM KG RAJA, DAERAH BESUT, TERENGGANU

TABLE OF CONTENT

| CONTENT | PAGES |
|--|--------|
| Acknowledgement | I |
| Abstract | II |
| List of figure | III-IV |
| List of Chart | V |
| List of table | V |
| Chapter 1: Industrial Training 1.1 Introduction 1.2 Industrial Training 1.3 Objective of Industry Training 1.4 Benefits and advantage of Industrial Training | 1-6 |
| Chapter 2: Company Background 2.1 Introduction 2.2 Company Background 2.3 Objective of company 2.4 Organization Chart 2.5 List of going Project | 7-13 |
| Chapter 3: Literature View 3.1 Introduction 3.2 Definition of construction 3.3 Definition of Wall 3.4 Masonry wall 3.4.1 Mortar Strength: The roles of Portland and Cement limes 3.5 Required strength of masonry mortar 3.6 Manufacture of brick 3.6.1 Brick manufacturing 3.6.2 Types of clay Brick 3.7 Fire resistance of masonry wall 3.8 Wall system 3.8.1 Concrete and masonry bearing walls 3.8.2 Minimum masonry wall of thickness 3.9 Basic of wall structures 3.9.1 Energy consideration | 14-37 |

