



اَوْنِيُوْرَسِيْتِي تِيكْنُوْلُوْجِي مَرَا

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

INDUSTRIALIZED BUILDING SYSTEM (IBS) FOR CONCRETE
(CASE STUDY AT CLINIC 1MALAYSIA CURE & CARE
NATIONNAL ANTI-DRUG AGENCY)

MUHAMMAD HAZIQ BIN PAUZI

2011598483

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:

.....
()

Date:

Approved By:

.....
(
Supervising Lecturer)

Date:

Abstract

My industrial training was at Public Work Department (PWD) Kota Bharu Kelantan for 4 months. Along my period practical training, I was trained to monitoring, checking and learning for maintenance work, construction work and road work.

Fruitfully, my title for practical training report is about Industrialized Building System (IBS) for concrete. My case study is at Pengkalan Chepa Kota Bharu Kelantan which is upgrading Clinic 1Malaysia National Anti-Drug Agency. The total cost for this project is RM 7,815,123.6. The IBS installation needed when the project cost exceed more than 5 million ringgit Malaysia and it takes 10% for the total construction cost. Apparently, the sum of the cost for IBS components is about 800 thousand ringgit Malaysia. The components involved are precast column, precast beam and hollow core slab including 4 blocks. This project is expected to fully finish on 28/08/2016.

Table of content

Content	Page
List of figure	3-4
List of table	4-5
List of chart	5
Acknowledgement	6
Introduction to Practical Training (BSB 351)	7
Overview	8
Objective of Practical Training Report	9
Scope of Work	10
Methodology of Report	11
Chapter 1: Company Profile	
1.1 History of the Public Works Department in Malaysia	13
1.2 History of the Public Works Department in Kelantan and Kota Bharu	14-15
1.3 Mission and Vision	16
1.4 Adjacent Building	17-18
1.5 Logo PWD Kota Bharu	19-20
1.6 Costumer Charter	20
1.7 Location Map	21
1.8 Organization Chart JKR KB	22
1.9 List of Latest Projects by JKR KB for Maintenance	21-29
1.10 List of Latest Projects by JKR KB for Construction	29-30
Chapter 2: Literature Review	
2.1 Introduction to Industrialized Building System	32-34
2.2 Classification of IBS	35-37
2.3 Benefits of IBS	37-38
2.4 Shortcomings of IBS	39-40

Acknowledgement

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

Alhamdulillah for the strength, patience to do this report and finish my task that was given to me smoothly without any problems. Before I go any further, a big thank to the Almighty to give me strength and courage to do this report successfully finished with flying colors. Besides that, I also thanks my parents for their support in term of financial ,advice. I am very happy to be able to prepare and complete this task properly .

Moreover, I am grateful to my loved supervisor's lecturer Mrs. Nadira Ahzahar and my supervisor in JKR which is Mrs. Siti Nurul Hawa who teach and guiding me in the practical training task. They put much effort and give me a lot of knowledge that I do not know to finish my assignment on time. Without their guides and advices, I could barely finish it on time. Furthermore, I would like to thanks to all my internship friends for their cooperation, effort and contribution. I always ask each other in order to meet up with the criteria needed in myreport requirement.

I also would like to thanks to the all the staffs in JKR Kota Bharu for giving me so much incredible surrounding, sharing usefull knowledge for the process of producing this report and bring me a lot of fun. Finally, I would like to thanks for Prima Canggih Sdn. Bhd and Teraju Precast Services for their cooperation, for their kind and friendly and at last for who involve directly and indirectly in finishing this practical training report (BSB 351).