



UNIVERSITI TEKNOLOGI MARA

FACULTY OF CIVIL ENGINEERING

INDUSTRIAL TRAINING REPORT

MUHAMMAD ANIRUL HAKIM BIN ABD RAZAK  
(2016492846)

JABATAN KERJA RAYA  
DAERAH SEGAMAT

JULY - SEPTEMBER 2013

# INDUSTRIAL TRAINING

## ABSTRACT

Assalamualaikum w.b.t. My name is Muhammad Amirul Hakim bin Abd. Razak. I am a student part 4 from Faculty of Civil Engineering UITM Pasir Gudang. There were a lot of reasons why engineering students need to do Industrial Training. The reason that we can support is because their knowledge while the industrial training can be used for a graduate job in their chosen field. Sometime what they learn in the class will not be same as they were in a work society. This is because in work environment, we need a lot of practical rather than fundamental.

Firstly, I want to share the place where I have been conducted my industrial training. The place where I having my industrial training is in a government organization at Jabatan Kerja Raya Daerah Segamat. In that place, I've been conducted my industrial training for 8 weeks start from 11 July 2018 until 2 September 2018. The reason why I chose this company is because it is has lot of project and experience through it.

Secondly, I believe that this company will give me a lot of knowledge and yet also experience which I can use it in my fundamental. Actually, for this industrial training I got no idea about what the outcomes that I will have to do with my industrial training. This is because they were a lot of things that I didn't learn as I am a student of part 4. I didn't being exposed to the subject that related to my course and of course to the real life as an engineer.

However, this is my chance to get lot of knowledge, experience and improve new sets of skills. My experience having an industrial training at the Jabatan Kerja Raya Daerah Segamat can really teach me about working condition and the working attitude in the organization itself. Lastly, this report consists of four main chapters. The first chapter is about the introduction to the company. The second chapter is my weekly summary based on what I have been writing in my logbook. The third chapter is about my technical report and the last chapter is the conclusion.

# INDUSTRIAL TRAINING

## **ACKNOWLEDGEMENT**

Alhamdulillah, all praises to Allah for the strengths and His blessing in completing this report exactly within given time. First and foremost, special appreciation goes to my supervisor, Nor Iza Iffazun Bte Mohamed Ibrahim who had taken a lot of efforts to arrange our industrial training between us and our employer. Not forgotten, my appreciation to my faculty supervisor Sir Mohammad Hazizi Bin Jamal, for his support and knowledge regarding this report.

Secondly, I would like to express my sincerity to all of staffs in the Jabatan Kerja Raya Daerah Segamat, for their cooperation, knowledge and endless patience in letting me to learn at the organization. Their cooperation indeed help me and my work became easier and faster.

Besides, I would like to extend my gratitude to the organization, Mr. Ir Azman Bin Ismail, District Engineer for his kindness and his trust for giving me the opportunity to practical training there. And at the same time, a deepest thankful given to Mrs Iza Iffazun Bte Mohamed Ibrahim, a facility engineer. Next, Mrs. Aisyah Nadhrah Binti Abdullah, road section engineer. Lastly, Mr. Zaid Bin Misran, the engineer of the building (project and maintenance) who had taken a lot of effort to give a guideline during working process in the site construction and answering all my doubtful in designing structures. My acknowledgement also goes to all the officer and office staffs of Jabatan Kerja Raya Daerah Segamat management for their cooperations.

Last but not least, I would like to express my heartfelt gratitude to my family, friends and also lecturer for their support during my internship.

# INDUSTRIAL TRAINING

<b>NO</b>	<b>TITLE</b>	<b>PAGE</b>
<b>1</b>	ABSTRACT	1
	ACKNOWLEDGEMENT	2
	TABLE OF CONTENT	3
<b>2</b>	CHAPTER 1 : INTRODUCTION	4-12
<b>3</b>	CHAPTER 2 : TRAINING ATTENDANT	13-14
<b>4</b>	CHAPTER 3 : TECHNICAL REPORT	15-27
<b>5</b>	CHAPTER 4 : CONCLUSION	28
<b>6</b>	REFERENCES	29

# INDUSTRIAL TRAINING

## Chapter 1

### Introduction

Industrial training is one of the conditions and subjects required for every student before being eligible to be considered for the award of a certificate or diploma. Each student must pass an industrial training to qualify students to be awarded a diploma. Industrial training is one of the learning styles where University Teknologi Mara Malaysia students will undergo industrial training for 8 weeks. This industrial training is mandatory for four semester students in the Civil Engineering Diploma course of Universiti Teknologi Mara Malaysia, Johor.

To undergo this industrial training, students will be placed in companies involved in public engineering fields either private companies or governments who have been requested by the students themselves. The key policy in this industry training program is to provide early exposure to students so they can feel the working environment of the real world. In addition, students will also learn how workplace and project site areas and the work that will be done to practice and improve what has been learned over the duration of the university. This experience is especially important for students when they have graduated for some time to assist in the next work environment.

The emphasis that emphasizes during this industry training is to further enhance the knowledge of students in the areas of expertise and also the technical aspects of the fields studied in the university. In addition, industrial training can also promote the spirit of cooperation and establish a good relationship with fellow workers as well as employers. Industry training can also provide more in-depth knowledge of the sophistication of today's technology. Overall, this industrial training also helps many universities in the learning system. This is because the university itself cannot provide complete tools such as work at construction sites or so for full learning purposes as high finance costs and technological changes are constantly expanding from time to time. Additionally, students can also see the relationship between the theories learned in the classroom and the practicalities they have been doing while in laboratories and classes. It also provides exposure to students to venture into challenging areas and requires great dedication and responsibility for the success of an organization itself.