



UNIVERSITI TEKNOLOGI MARA

FACULTY OF CIVIL ENGINEERING

INDUSTRIAL TRAINING REPORT

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Abstract

Industrial training is an important phase of a student life. A well planned, properly executed and evaluated industrial training helps a lot in developing a professional attitude. It develop an awareness of industrial approach to problem solving, based on a broad under-standing of process and mode of operation of organization. During a period of two month training at Jabatan Kerja Raya (JKR) in Segamat, most of the theoretical knowledge that has been gained during the course of studies is put to test. Some of the process of lab procedure have been learned before the industrial training programme starts such cube test and sand replacement test was used during this internship. The cube test have been used during inspection for project slope maintenance at Jalan Kuantan, Segamat. The purpose of making the test is to determine whether the strength of the concrete that used for the project is achieved the strength needed. Not only that, sand replacement also have been learnt during semester 4 in soil material course and have been applied in working environment. Thus, it shows that knowledge is important in working.

Final report will be divided into few chapters. Chapter 1 includes background of the company which is JKR's background. Next, the organizational chart for all department in this company and the nature of business also will be given. For chapter 2, the content will be processed about weekly summary of 8 weeks of internship. Chapter 3 is technical report, where the content will be the project that student attend and learned. The project that have been through by the student were the treatment of damage road, the crematorium project with 1 cremator, the construction of new road and the process making retaining wall at existing drains. Lastly, the report will have the conclusion where it will be conclude for the student activity during industrial training.

Acknowledgement

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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.