

UNIVERSITI TEKNOLOGI MARA

FACULTY OF CIVIL ENGINEERING

INDUSTRIAL TRAINING REPORT

NURFARHANAH BINTI ZAKARIA (2016455044)

JABATAN PENGAIRAN DAN SALIRAN MUAR PETI SURAT 4, JALAN ISMAIL, 84007 MUAR JOHOR

JULY 2018

Abstract

Industrial training or Practical Training is a compulsory requirement for students in certain programs at all level of education in all university including Universiti Teknologi Mara Malaysia of Diploma in Civil Engineering Course. It is a requirement to complete the course in order to graduate the university. To increase the level of graduates able to work, industrial training program was introduced to strengthen the competencies required. Industrial Training courses give students learning opportunities in the world of work to receive practical experience in order to improve the reliability of the market.

It is also a program for student to learn, gain knowledge and understand about engineering problem in the real situation instead of learning in the classroom. Through industrial training, students also learn to interact with staff at the company, how to deal with client and how process to get a tender is carried on. Industrial training consists of an exchange of services for experience between the student and organization in a short term. Tendency for engineer to share their knowledge is higher due to produce a potential new engineer.

Generally, an interns have a supervisor who assigns specific tasks and evaluates overall intern works. A supervisor will be responsible to teach and guide an intern. The trainee also must follow all the rules and regulations of the organization as they have been accepted in their company.

I've started my internship on 8 July 2018 until on 2 June 2017 at Jabatan Pengairan dan Saliran Muar at Jalan Ismail, Muar Johor supervised by Tuan Haji Saadaan bin Senin, the Assistant Engineer of Technical and Contract Department.

Acknowledgement

First of all, I would like to thank to The Mighty Allah S.W.T. for the precious opportunities to undergo this internship within the 8 weeks at Jabatan Pengairan dan Saliran Muar, Drainage, Pipe system, used of waste trapped, construction of drainage and rain distribution also for giving me inspiration, patience, strength and time to successfully finish my internship. With Allah's will and mercy I have been to achieve all of this.

Secondly, I would like to thanks to Universiti Teknologi MARA (UiTM) for give me a chance to learn and acknowledge how a company is progress. I really appreciate this chance because it give me exposure as engineer in real life. Thirdly, I would like to thank Jabatan Pengairan dan Saliran Daerah Muar. Especially Puan Rubiatun Adawiah binti Ali, the District Engineer for giving me chance to do this internship in this company. This company had made me learn many things especially in planning for project, designing and many more about engineering.

The most importantly, I would like to thank to my family especially to my parents that always give support me all this while for completing this internship. Without their support, I will not be able to complete this industrial training. Lastly, I also would like to thank to all my lecturer and friends especially student from EC110 (Diploma in Civil Engineering), UiTM Cawangan Johor, Kampus Pasir Gudang for helping me in completing this report.

TABLE OF CONTENT

NO	TOPIC	PAGE
1	ABSTRACT	1
2	OBJECTIVES OF INDUSTRIAL TRAINING	2
3	ACKNOWLEDGEMENT	3
4	TABLE OF CONTENT	4
5	CHAPTER 1: INTRODUCTION	
	Introduction	6
	Company Backgroound	7
	Company history	8 - 9
	Vision	10
	Mission	10
	Objectives	10
	Corporate Value	10
	Basic Q	10
	Main function and main objectives	11
	Organization Chart	12
	Conclusion	13
6	CHAPTER 2 : WEEKLY SUMMARY	
	Introduction	14
	Exposure Level - Weekly Summary	15 - 18
	Conclusion	19
7	CHAPTER 3 : TECHNICAL REPORT	
	Introduction	20
	Detailed of Project	21
	Component Project	21
	List of Work	22
	Concept Use	22 - 28

8	CHAPTER 4 : CONCLUSION	
	Lesson learned and Knowledge Gained	29
	Suitability of Organization	30
	Limitations and Recommendations	31
9	APPENDICES	
	Appendix A	32 - 41
	Appendix C	42