

# UNIVERSITI TEKNOLOGI MARA

FACULTY OF CIVIL ENGINEERING

INDUSTRIAL TRAINING REPORT

MOHAMAD HAZIQ BIN MOHD ZAM ZAM (2015894872)

TPM TECHNOPARK SDN BHD,
LEVEL 9, MENARA KOMTAR JBCC,
JALAN TUN ABDUL RAZAK,
80000, JOHOR BAHRU,
JOHOR DARUL TAKZIM
JUN 2017

### **ABSTRACT**

In this industrial report, there were consisted of four chapters. For the chapter 1 is introduction, chapter 2 is training attended which is weekly summary based on logbook, chapter 3 is technical report while chapter 4 is conclusion. For chapter 1 consists of background company, organizational structural, products, and market strength. Then, chapter 2 consists of exposure level while chapter 3 consists of nature of work, problem encountered and how to overcome it and experienced gained. Chapter 4 consists of lessons learned, knowledge gained, suitability of organization and limitations and recommendations. TPM Technopark Sdn Bhd was chosen as place for internship. This company was involving more than two project in Johor Bahru but there are an options was giving by company to choose for placement site throughout two months of training.

#### **ACKNOWLEDGEMENT**

First of all, I am grateful to the Almighty for opportunity to complete my industrial training for two months at this company. Besides that, as student and also trainee I would like to give big thanks to TPM Technopark Sdn. Bhd. for giving me an opportunity to intern at their company throughout two months. It will be great experienced and exposure for me.

After that, I would like to thanks to Encik Mohd Norazizi Bin Bashirahmad as industrial supervisor and also technician at site who is willing spends his time to teach me although he was always busy to complete their work. He is supportive and always encourages me to learn and keep study.

In addition, I am thankfully to Encik Abdul Rahman Bin Jaffar and Encik Mohd Rozaimi Bin Abd Rani who is resident engineer and project manager at site because always keep teach and guide me to get knowledge and experiences during two months of training. Both of them will accompany me visit site if Encik Azizi is not around.

Furthermore, a big thanks to my faculty supervisor Miss Adrina Rosseira Binti Abu Talip who give me opportunity to present and complete this report. She is always being my reference to ask somethings related to this report and she always give full of cooperation.

Lastly, thank you to my friends and other practical members who were helping me and teach me during industrial training with them. They always give an idea and opinion in solving any problem facing at site. Also not forget to everyone that help me in complete this industrial training and also this report. This report will not complete without helping from all my friends, lecturer and also industrial supervisor.

## TABLE OF CONTETNT

ELEMENTS	PAGES
ABSTRACT	1
ACKNOWLEDGEMENT	2
LIST OF FIGURE	4-5
LIST OF APPENDICES	6
CHAPTER 1: INTRODUCTION	
1.1 Introduction	7
1.2 Background of The Company	8
1.3 Organizational Structure	9
1.4 Products	10-12
1.5 Market Strength	13
1.6 Conclusion	13
CHAPTER 2 : TRAINING ATTENDED	
2.1 Introduction	14
2.2 Exposure Level	14-34
2.3 Conclusion	34
CHAPTER 3 : TECHNICAL REPORT	
3.1 Introduction	35
3.2 Problem encountered and solution	36-38
3.3 Experience gained	39
3.4 Conclusion	39
CHAPTER 4 : CONCLUSION	
4.1 Introduction	40
4.2 Lessons Learned	40
4.3 Knowledge Gained	41
4.4 Suitability of Organization	42
4.5 Limitations and Recommendations	42
REFERENCES	43
APPENDICES	44-52

## LIST OF FIGURES

ELEMENTS	PAGES
Figure 1 : Organizational chart at TPM Technopark	0
Sdn Bhd	9
Figure 2 : Persada Johor International Conventional	10
Centre, Johor Bahru	
Figure 3: Komtar JBCC, Johor Bahru	10
Figure 4: Hotel Selesa, Johor Bahru	10
Figure 5: Tanjung Leman Jetty, Tanjung Leman	11
Figure 6 : Stadium Tertutup Perbadanan Pasir	11
Gudang, Pasir Gudang	11
Figure 7: Masjid Jamek Pasir Gudang, Pasir Gudang	11
Figure 8 : Sekolah Menengah Agama Lughatul	12
Arabiah, Muar, Johor	12
Figure 9: Tanjung Langsat Port Sdn Bhd, Pasir	12
Gudang	12
Figure 10 : Plaza Kotaraya, Johor Bahru	12
Figure 11 : Sequence of preparing drawing plan	14
Figure 12: Mild steel (without ribs) and High Yield	15
steel (with ribs)	15
Figure 13: Example of steel symbol in drawing	16
details	10
Figure 14: Arrangement of lapping steel by using	16
formula 40D	10
Figure 15 : During injection pile work	17
Figure 16: Concrete test report form from IKRAM	18
Sdn Bhd	10
Figure 17: Worker at Lafarge Sdn Bhd perform cube	10
test	18
Figure 18: Plastic spacer block used in pile and	19
concrete spacer block	19
Figure 19: Lean concrete for pile cap	20