

### UNIVERSITI TEKNOLOGI MARA

### **FACULTY OF CIVIL ENGINEERING**

### INDUSTRIAL TRAINING REPORT ECM376

MOHD ZUHAIR BIN ZULKEFLI (2016307303)

DD & I ENGINEERING SDN BHD

NO 1-2, BAZAAR MASAI,

JALAN BAYAN,

81750, MASAI JOHOR

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### Acknowledgement

Alhamdulillah and thank you to all that have supporting me during this 8 weeks of internship and I am able to complete this industrial training report successfully.

First and foremost, I would like to take this opportunity to thank to Mrs Irhana Ibrahim in receiving my application to undergo internship with DD&I Engineering Sdn Bhd, to the all employees especially to my company supervisor, Mr Sudesh Maharjan because during the industrial training a lot of knowledge and technical skills that I have gained from them. Without their guidance and information, I do not think that I will gain knowledge and manage to do the task that I have assigned to do.

Finally, I would like to thank to the Project Manager Team (PMT) from the main contractor company, Malaysia Marine Heavy Engineering (MMHE) that have advising in completing this report. Without them, I may not be able accomplished this report. Besides, a very special thank you to my project manager, Mr Noraizan Hassan for support and advice during this industrial training. Lastly, I would like to thank all the peoples that are related directly and indirectly to support and help me to complete my industrial training report successfully.

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**Chapter 1: Introduction** 

### 1.1 Introduction

Industrial training is training scheme by which a student can undergo practical training within an approved industrial. All students in UiTM must participate in industrial training because pass in industrial training is one main condition before a student certified for Diploma in Civil Engineering in UiTM.

Industrial training is a course for students that gives them an opportunity to expose themselves in the real career world so as to they will learn on how to relate theoretical learning before and real practical in working environment. Besides that, in future, it will be having good preparation and understanding for their field of profession.

Trainees have to undergo 8 weeks of industrial training starting from 15 th July 2019 until 7 th September 2019. Student can choose whether in government or private company. During industrial training, students are required to record activities and task on the training period. At the end of training, students are required to submit the log book and industrial training report.

### 1.2 Background Of The Company

DD&I Engineering Sdn. Bhd. 1s a Malaysian Bumiputra company and incorporated on 20th November 2001. DD&I Engineering Sdn Bhd. main activity is providing corrosion protection services which specialize in blasting and painting for both offshore and onshore in Oil & Gas industry and marine infrastructure. The company's core competencies including blasting & painting, hydro jetting, power tooling, cleaning, includes installations of valves, pipelines, main engines, boiler, generator, cooling system, pumps mucking out sludge, underwater works and all kind of works pertaining of marine, ship and vessel.

The company has grown from strength to strength since, with the invaluable support from customers, principal suppliers, business associates, and company operation staffs strength of more than 200 employees. The company have qualified skilled workforce and capable to ensure all jobs delivered in high quality of standard within the allocated time. The company also recruited skilled workers, in order to be more competence and able to cater current market demand.

DD&I Engineering Sdn Bhd implement a quality management system and acquired ISO 9001:2005 certification that endorsed by Lloyd's Register Quality Assurance which certificate number is KLR 6047553. The company holds a Grade G7 license in category B, CE and ME which approved by the Construction Industry Development Board Malaysia (CIDB) starting from 21 March 2003. To be competent in the market, the company also acquired PETRONAS license including for ICT server, mechanical engineering as well as coating services.



Figure 1.1 (Company's Logo)

### Vision.

"To achieve global recognition as the leader in oil & gas engineering business through the expertise, and to deliver the best quality services to our stakeholders"

### Mission.

- To use our resources, knowledge and experience to create win-win-win relationship with our clients, employees, suppliers and stakeholders to create a relationship emphasis on long term mutual success and satisfaction rather than short term gain.
- To provide employee with training and development and to ensure the well being of the employees family members.
- To constantly up to date with latest technology and expand business by leading the global market in abrasive blasting and shot peeing technology.

### 1.1 Organizational Structure

### HAJI IBRAHIM **EXECUTIVE DIRECTOR** BUSINESS STRATEGIC GENERAL MANAGER PROJECT MANAGER MANAGER INDRACITRA BIN HAJI IRHANA BINTI HAJI NORAIZAN BIN **IBRAHIM IBRAHIM** DR HAJI IRWAN BIN HAJI HASSAN IRRAHIM SITE SAFETY OS QC SUPERVISOR IZZA AZAN AMIR BIN ABDUL RAZAK

SITE SUPERVISOR

SUDESH MAHARJAN

SAFETY COORDINATOR

MONJURUL HAQUE

MANAGING DIRECTOR

### 1.2 Nature of Business

DD&I Engineering Sdn Bhd operating for six days per week. Which means Sunday is the holiday for all the staff. DD&I Engineering Sdn Bhd main activity is providing corrosion protection services which specialize in blasting and painting for both offshore and onshore in oil &gas industry and marine infrastructure. The company's blasting and painting services including auto blast, hydro blasting, and more traditional grit and steel ball blasting. The company is able to do full blast or spot blast and able to produce capacity of 7000m² blast and paint material monthly.

OFFICE CLERK

NORAINI BINTI

ISMAIL

DD&I Engineering Sdn Bhd owned blasting machines model LCQ3000 and LCQi1250. The company understands that surface preparation is essential for satisfactory performance of any paint system. The most expensive and advanced painting systems will fail if surface preparation is inadequate either in cleanliness or profile. The company has high skilled blasters and painters who are Institute of Materials Malaysia (IMM) certified and committed to provide the best solutions, best methods, best quality and best value in area such as: Shipyards, LNG Plants,

Fabrication Facilities, Onshore Projects and more. The company manage to handle all works in various areas regardless the level of difficulties. In the same time, DD &I Engineering Sdn Bhd ensure that their coating system are applied accordance with the paint manufactures specifications and client's requirement.

### 1.3 Products

DD&I Engineering Sdn. Bhd. is closely monitored all process during the works to ensure meeting their standard. They also engaged in providing civil construction services such as building construction, structural construction, road construction services, pilling construction, repair and maintenance solution includes plumbing, landscaping, electrical restoration and other works. The breakthrough of the project delivered through combination of experienced management and workforce. With deep skills and knowledge, DD&I Engineering Sdn Bhd promise to offer the best services to client at the most competitive prices.





Figure a and Figure b

### 1.4 Conclusion

As a conclusion, I am very grateful to be a part of these company team members. The working environment here is very good and all the staff are so friendly. We (the internship students) also can share all of our experience together. I hope this Bokor CPP project will be completed successfully in April 2020. I am very grateful because undergoing internship programme with a very successful blasting and painting company. My project manager team also very helpful and all the questions I asked they can answer it perfectly. I hope one day I can be with them again to make other big project finished successfully.

**CHAPTER 2: TRAINING ATTENDED** 

### 2.1 Introduction

Various tasks have been given and being done by the trainee as material controller. The major task is to calculate burnmark, damage and weldent at Bokor CPP project regarding its condition and quantity, check the correct painting system, received packing list and release note, area measurement, measurement of beam, column and other structural materials and other material, preparation before blasting and painting process, update Daily Progress Report and informed the related parties if any problem arise regarding to the material received The working hours for this site is from 8.00 a.m. until the work is done which is around 8 p.m.

### 2.2 Exposure level (Weekly Report)

### Week 1 (15/7//2019 to 20/7/2019)

- Learn on how to recognize the type of materials at the construction site.
  - -Such as base support, angle bar, column, EIB support.
- Make a report on life boat/LER after blast and before blast.
- Learn on how to identify the damage and burn mark based on staff experiences.
- > Involved in induction safety class. (a must before entering the site)
- Read the drawing plan such as primary and secondary beam plan of each deck.
- Making a Collection Note (CN) after the Release Note (RN) given have been done.
- > Preparing the Request For Inspection (RFI).
- Follow the supervisor to know the level of each deck at the Bokor Central Processing Platform (CPP) site.
- Learn on how to find the drawing (primary beam drawing, technical drawing) from drawing files.

### Week 2 (22/7/2019 to 25/7/2019)

- ➤ Calculate burn mark, weldment and damage at splice area (row 4A, Lower Deck) and at Central Control Room (CCR)
- Photocopy the drawing of CCR and splice area for the report.
- ➤ Checking the final coat from system 11 inside the Switchgear Room (SWR)
- Inspect the after blasting condition in CCR.
- Learn on how to close the RN.
- Doing the mechanical work shop report on truss and wall.

### Week 3 (29/7/2019 to 3/8/2019)

- > Checking progress for blasting external wall (mechanical workshop).
- > Take drawing LER from drawing files.
- > Calculate total burn mark, weldment and damage.
- > Check progress at pipe rack below main deck panel 2.
- Devcon area at underside battery room is calculated.

### Week 4 (5/8/2019 to 10/8/2019)

- > Checking progress at CCR (B) which has entered final coat.
- Take drawing primary beam and secondary beam at row 4B cellar deck and main deck.
- Inspect on the progress CCR (A) underside.
- ➤ Make a report on battery room angle bar, T support and other electrical support.
- Close RN on pipe rack main deck panel 2 after the final coat have been placed.

### Week 5 (12/8/2019 to 17/8/2019)

- Make a report on blast wall at row 4 lower deck.
- > Help QC in doing inspection based on the location in the RFI.
- Checking progress on external wall that have entered second coat (cream 410)
- Calculate burn mark, weldment and damage at the lifting lug underside cellar deck.

### Week 6 (19/8/2019 to 24/8/2019)

- Calculate burn mark, damage and markers scribble at the service platform underside mezzanine deck.
- > Tell the foremen to settle that area (to blast and apply coats)
- Marking the pipe supports at main deck.
- Receive RN of the life boat secondary beam and primary beam that need to undergo blasting and painting.
- Based on the drawing given, I calculate and state where the burn marks and damage is located.

### Week 7 (26/8/2019 to 31/8/2019)

- Receive RN on HVAC ducting support and copper pipe support at underside main deck row 2B.
- > State the amount of burn mark and damage at the support.
- Make CN for the pipe rack at underside main deck that have entered final coat (yellow 550) system 1A.
- Tell QC to inspect the splash wall area at row 5B cellar deck that have entered second coat (cream 410) before the third coat is applied.

### Week 8 (2/9/2019 to 7/9/2019)

- During this week I complete all the pending reports.
- All the staff have to attend a meeting including all the intern students.
- At the site I just checking on progress at the area based on RN last week and last two weeks.
- Closed all the RN received by making the CN (Collection Note)

**CHAPTER 3: TECHNICAL REPORT** 

### 3.1 Introduction

In this chapter I want to explain about the undergoing project of the company which is the Bokor Central Processing Platform (CPP) project. The cost of this mega project is around 226.7 million dollars (RM 1 Billion). This project is under Petronas Cari Gali and expected to finish in April 2020. Upon completion, the new CPP will be installed at Bokor field located in Baram Delta, offshore Sarawak, in a water depth of 70 meters.



Figure 1: Bokor CPP project is under construction.

So the involvement of DD&I Engineering Sdn Bhd in this project is focus on blasting and painting at all the structural parts such as column, primary and secondary beams, walls, E&I and piping supports and other materials that need to be paint. So, blasting is the operation of forcibly propelling a stream of abrasive material against a surface under high pressure to smooth a rough surface, roughen a smooth surface, shape a surface, or remove surface contaminants.

Painting specification for the project is given by Paint Matrix Certificate (PMC) or Client. It is updated by material engineer on the project. Engineering firm can use its own standard painting specification if allowed by client. DD&I Engineering used a paint matrix guidelines from Petronas. This guidelines will ensured right coating system for each materials.

Preparation of painting specification involves understanding environmental factors, location of piping (indoor or outdoor), insulation requirements, operating and design temperatures. During bad weather, the painting process cannot be proceed as it will affect the quality of paint. Types of painting methods used are painting by brush and Airless Spray Painting Machine.

### 3.2 Problem encountered and solutions

- Some items (like angle bar and pipe support) in the Release Note (RN) is not appear.
  - -As a solution, I request to our company PMT to check why the item is not there and the new corrected RN will be given to me.
- Some progress at the site is slow due to the low number of workers.
  - -As a solution, I. tell the company's site supervisor to manage the number of workers that cause the progress at the Bokor CPP site to be too slow and he managed to add some new workers to make the progress faster than before.
- The quality of paint coating is not excellent.
  - -As a solution, our company's quality control (QC) make a marking at the area that not achieve their quality standard and the painter repair that area to make it the surface even again.

### 3.3 Experience gained

Experience I gained in this company is I managed to completely finish all the paper works given to me perfectly without having any errors. Sometimes I have been told a new knowledge, some experiences about blasting and painting from my PMT and my site supervisor. Other than that, I manage to feel the working environment which is very good for us as a internship student to involve in this internship programme.

### 3.4 Conclusion

As a conclusion I would like to give some suggestions, a lot of improvement can be made for the company to increase the productivity and its efficiency. From trainee's perspective, here are some recommendations that maybe will improve the company productivity.

### Here are some suggestions:

- Improve the arrangement of the workspace. For example, prioritize the most used things rearrange the workspace to create smooth flow of work process. It will increase the efficiency of working process and create a less movement in the small cabin area.
- Provide a small transport in the site for document delivery process. The site had a lorry which is used for material delivery but sometime the urgency of document need to be delayed due to unavailability of the transportation.
- Safety awareness need to be improvise because some of the workers did not take care of their safety seriously.
- Provide a basic engineering software such as AutoCAD therefore it can reduce uses of paper.

**CHAPTER 4: CONCLUSION** 

### 4.1 Introduction

In this chapter I want to tell about the objectives for students need to participate in industrial training. Industrial training required the maturity in committing a task that has been given by supervisor, it also test the extent of student ability to practice the theory that has been taught in class and preparing themselves for the students prior to actual employment. Here is the list of objectives for industrial training:

- Expose students to the real working environment.
- Provide opportunity to students to apply the knowledge and skills learned.
- Enhance the team spirit in group works.
- Boost up confident level and communication skills.
- Develop problem solving skill

### 4.2 Lesson learned and knowledge gained

During doing internship in this company, I am a helper to the Quantity Surveyor in a structural and architectural part. From that I can see and feel the steel structure in real life and I also learn on how to read the structural and architectural drawing of this project. In civil engineering also have QS involve in the project same with me in this company.

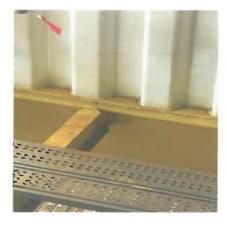


Figure 1.2: Example wall attached on primary beam.



Figure 1.3: Example of primary beam attatch to secondary beam (I Beam)

### 4.4 Suitability of Organization

DD & I Engineering Sdn Bhd is suitable for the EC 110 Civil Engineering students because it applied the finish work in construction which is painting. The company also gives allowance to their internship students. This help student to feel the same environment in a working phase (getting a salary).

Other than that, the company also registered with The Construction Development Board (CIDB). Any accident happens, the internship students are protected with insurance under CIDB. All the staff including the highest board in the company always gives support to the students who work in their company.

Lastly, DD & I Engineering is a very suitable company for the UiTM Civil Engineering student to involve in the '8 weeks' internship programme.

### 4.5 Limitations and Recommendations

Industrial training is a must for every student to prepare themselves for a real working practice in the future. This is one of the best time to enhance skills and develop student's potential. Other than that, working in related field to the courses, will help students to widen their knowledge in the exact job scope.

Therefore, it is very important to choose the right company that can provide students with that kind of experience and knowledge. It is hopeful, that company will provide best education and experience to the student as they come to learn from the experts. Company should start, giving trust to an intern and shaping them into a better working personnel, hence, student could grow their career with no doubt.

It is a must, for student to choose and apply for a company which its nature of business related to the courses studied. This will help students to apply their knowledge practically and it could be a driven in improving or enhancing their potential in the industry or field they have chosen. Eight weeks period shall be used wisely by working in a company which relate to the future career student's want to penetrate.

### REFERENCE

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- 1. https://www.ddni.com.my/
- 2. https://www.offshoreenergytoday.com/
- Books
- Industrial Training Student Handbook Faculty Of Civil Engineering UiTM Pasir Gudang, Johor.
- > Staff
- 1. Staff of DD&I Engineering Sdn Bhd
- 2. Clerk Of Work
- 3. Project Manager Team (MMHE)

### Appendices



Figure 1.4: Pipe rack after final coat (yellow 550)

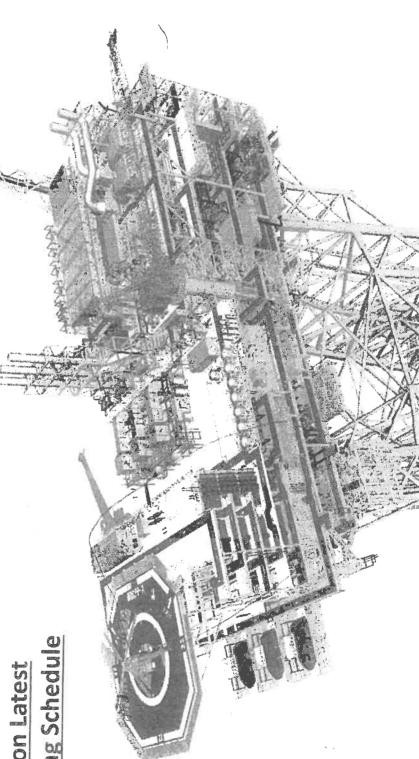


Figure 1.5: Pipe rack before blast



## **BOKOR CPP Phase**

Working Schedule Based on Latest

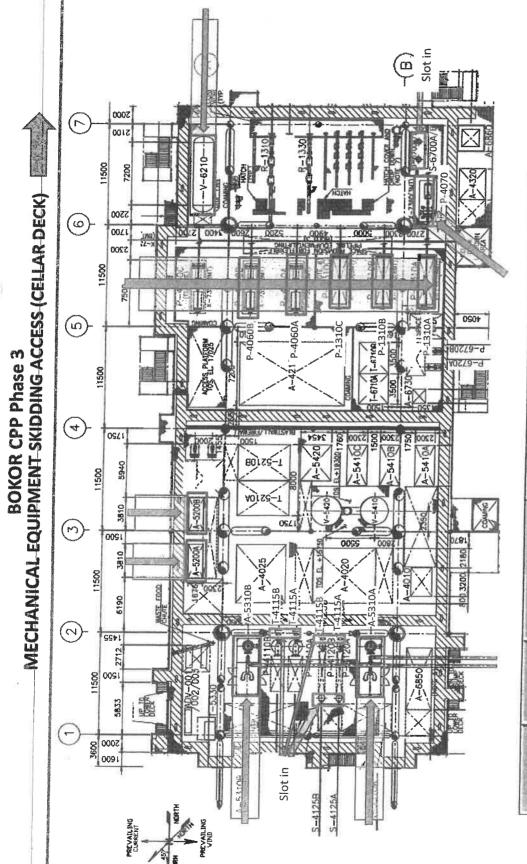


MECHANICAL EQUIPMENT INSTALLATION PLAN & SEQUENCE

(Rev 9: 7th Jan 2019)

Prepared by: ZMMY & JS Mechanical Construction

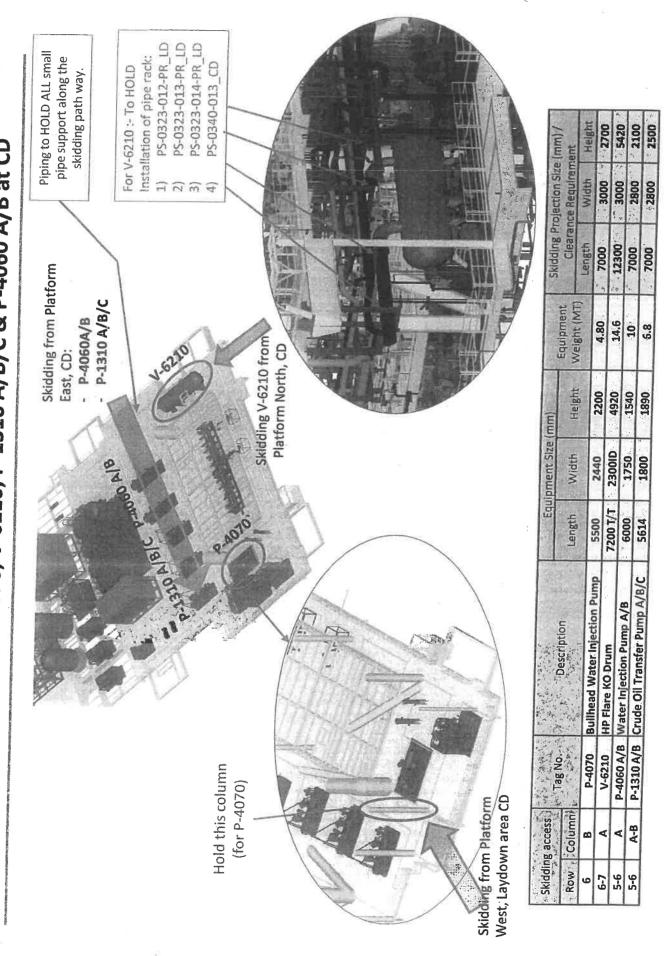




skidding access	To No.		Equip	ment Size (n	am)		Skidding Pe	ojection Size	/(mm)
Row Column	1 00 m	Descubition.	lovnéh	What	The state of the s	Weight (MT)	Clearar	ice requirem	ent
1-2 A&B	P-5310A/B	Firewater Pump	8350	3000	3630 I	24.00	Length	Width	Heigh
≪	A-5200A/B	Potable Water Maker	2591	2003	2000	24,00	12000	4000	395
9	P-4070	Bullhead W/I Pumn	1000	2003	7311	3.20	4000	2900	261
6-7 A	V-6210	HP Flare KO Drum	2300 7700C7	2440	0077	4.80	2000	3000	270
7 B	S-6700A/B	Diecel Filter Inlot	1/1002/	250010	4920	14.60	12300	3000	540
1-2 A-B	S-4125A/B	Sanice Water Eller	1	46010	2000	09.0		1000	2500
				21008	1000	0.20	THE REAL PROPERTY.	1500	150

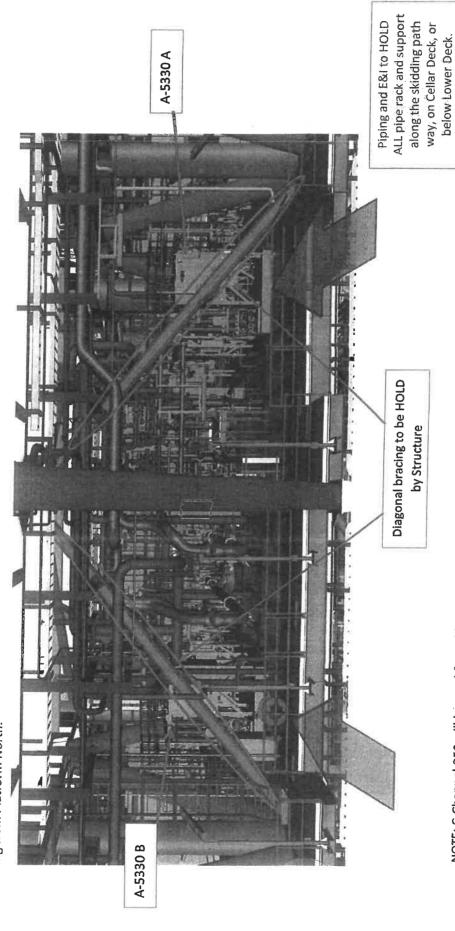
S MATE

# SKIDDING PLAN for P-4070, V-6210, P-1310 A/B/C & P-4060 A/B at CD



## SKIDDING-PLAN for FIREWATER PUMP A-5330 A/B at CD

Looking from Platform North:-



NOTE: C-Channel 250 will be used for guiding the skidding roller, instead of using skidding beam. This can save at least 310mm height Since the area has no deck plate (grating), existing secondary beam can function as skidding beam.

\*Oct 2019/ Offshare 16/1/19 2.0/1.8MT Instrumentation Scope 15/1/19 | 8.3 MT TWOIL 22/1/19 BOMT Direct Lifting 21 & 22/1/19 Direct Lifting 30/1/19 Pig Received Skidding Direct Lifting A-4210 Produced Water Treatm Defivered 3/2/19 Direct Lifting 10/7/19 3.2 MT Under Piping/ 24/1/19 10 & 11 Jun 2019 2<sup>nd</sup> panel: 20/2/19 Lift/ install Lower Dack, 1st Panel: 12/2/19 INSTALL METHOD 30/5/19 \* ETA INSTALL METHOD R-1310/ INSTALL T-5210A/8 ETA ETA INSTALL METHOD METHOD INSTALL METHOD ETA INSTALL A-5420 Ę METHOD 16/2/19 (After completion A-1200 Uquid Metering Skid ETA INSTALL 30/1/19 16 MT of Service Platform) FW Deluge Skid METHOD INSTALL ETA 15-16/12/19 Direct Lifting 10/12/2019 Direct Lifting Delivered 0.8 MT P-5220A/B Potable Water Fump Slot & skid Direct Lifting 9/2/19 ADV 001/ 002/003 A-4025 UF Backwash & Cleaning Pto METHOD 25.5 MT INSTALL ETA METHOD ETA Direct Lifting METHOD INSTALL 11/2/19 ETA METHOD Celiver INSTALL 30/1/19 MECHANICAL EQUIPMENT LAYOUT (CELLAR DECK) 119 4.8 MT Daluge Foam Proportioning Phys METHOD Skidding INSTALL ETA Direct Lifting 10/1/19 METHOD INSTALL P-4070 ETA A-5200A BOKOR CPP Phase 3 A-5330 4070 A-6860 Methanol Injection Pig. METHOD INSTALL 7M7 ETA Direct Lifting 19/1/19 P-13108 14/1/19 P-1310A METHOD ETA INSTALL A02.69-4 24 MT Skidding 6.8 MT 15/3/19 A-5310 -, 26/3, 16/4 & 8/5/19 Crude Od Transfer Pur 10 MT \* A-4320 4 LT Sand Handling Pkg Direct Lifting Skidding 5/2/19 METHOD INSTALL 418/3, 12/4 8 31/1/19 ETA P-4120A/B £ 2/5/19 5-41258 METHOD ... 541250 INSTALL METHOD ETA P-ISIDA/B/C R-4410A/B ≈ Sea Water Life Pump\*: ETA 10/7/19 TBA ETA ETA 10/7/19 TBA INSTALL Offshore - Shiploose INSTALL V-5420 Instrument Air Receiver Delivered 15.1 MT 17/1/19 Direct Lifting T-6710 A/B Diesel Storage Tank 24/1/18 25 MT Lift/ Install CD, 1" Panel: 1/1/19 2" Panel: 4/1/19 Direct Lifting 26/1/19 METHOD ETA INSTALL METHOD INSTALL ETA A-5410A/B/C Air Compressor pkg. A-6850 Hypochlorite Generation pkg. 15/1/19 5.2 MT P-4120A/B Service Water Lift Purip Wi Ultrafiltration pkg. Offshore - Shiploose 8.1 MT P-6720A/B Diesel Transfer Pump Delivered 0.5 MT 18/6/19 TBA -Water Injection Coarse Delivered 12.5 MT Direct Lifting 30/4/19 0.2 MT Diesel Contrifuge Pkg Sorrice Water Pitter 1.15/3/19 124 MT. A-5318A Fire Water Pump A Skidding 30/1/19 5.5 MT 182/2/19 38 MT Filter pkg. 25/1/19 3,4 MT Direct Lifting Slot & skid Direct Lifting Direct Lifting : 20/3/19 23/1/19 Direct Lifting Direct Lifting 4/5/19 16/2/19 Direct Lifting S MMHE 4/2/19 8/2/19 16/1/19 12/2/19 30/1/19 18/1/19 METHOD INSTALL S-4125A/B A-6730 A-4020 " METHOD INSTALL INSTALL ETA INSTALL METHOD V-5410 METHOD ETA METHOD A-4010 METHOD METHOD INSTALL INSTALL METHOD ETA ETA METHOD INSTALL INSTALL INSTALL ETA ETA INSTALL ETA Ā V.

7.0 MT METHOD . eiozys/ci. .-HESTALL ETA NSTALL METHOD INSTALL ETA 408424 METHOD | INSTALL ETA " BTA :: 130/7/2019 - 6.5 MT. . 4. 8/8/3019 Skidding C-4030 Water Injection Degrator Tower 10/08/2019
Direct Lifting from Top Deck -install after Top Deck install 17/2/2018 20 MT 20.3 MT A-6810 Chemical Injection INSTALL METHOD 01/04/2019 ETA METHOD INSTALL C.4030 ETA ETA 17/12/18 : 6.7 MT Direct Lifting 8/3/19 Direct Lift - Main Deck will HOLD until the Vessel install INSTALL METHOD 120 MT 3/7/2019 30/6/2019 V-1010 METHOD INSTALL A-4040 Chemical Injection Pice ETA ETA 17/2/2019 18 MT Direct Lifting 4/3/19 A-7730 Emergency Dissel Centration ETA 28/2/19 60 MT INSTALL 25/7/2019
METHOD Top Lift HOLD Structure beam 21.4 MT Surge Verse Direct Lifting 3/3/19 INSTALL METHOD 21/7/2019 Life Boat Leunching System 20/11/2019 11.3 MT 25/12/2019 3/1/2020 13/1/2020 Pulling thru Leunching 20/11/2019 24 MT 1" Panel 23 March 2019 2" Panel 7 July 2019 Erect/Install MEZZ DECK; Erect/ install MAIN DECK: 3/12/2019 Direct Lifting, 7/12/2019 12/12/2019 METHOD 17-Apr-19 - 9-May-19 INSTALL V-1020 ET. Launching syst, 1 Launching syst. 2 Install Boat 1 Install Boat 2 Install Boat 3 Launching ayst, 3 INSTALL METHOD METHOD

MECHANICAL EQUIPMENT LAYOUT (LOWER DECK)

Erect/ Install Lower Deck: 1<sup>st</sup> Panel: 12/2/19 2<sup>nd</sup> Panel: 20/2/19

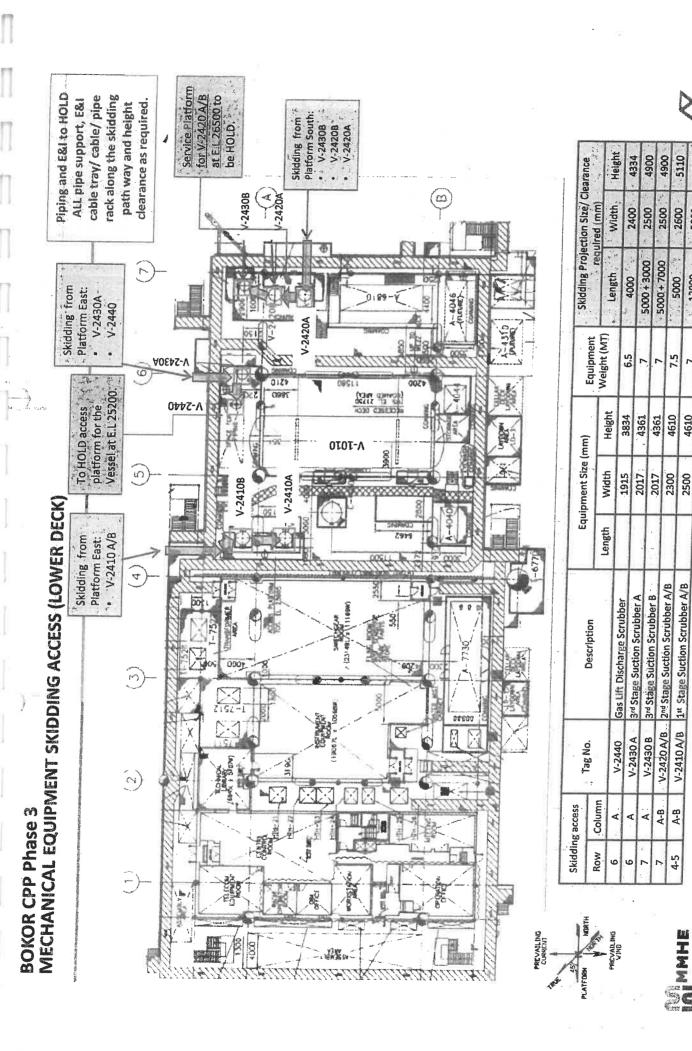
**BOKOR CPP Phase 3** 

FIRDRAK

Direct Lifting

METHOD

12/3/19



**(9)** 

5110

12000

4900 5110

2500 2600 2800

5000+7000

2000

7.5

4610

4610

V-2410 A/B 1st Stage Suction Scrubber A/B V-2420 A/B. 2nd Stage Suction Scrubber A/B

3rd Stage Suction Scrubber B

A-B

1

A-B

4-5

MMMIS

4361

**MECHANICAL EQUIPMENT LAYOUT (MAIN DECK) BOKOR CPP Phase 3** 

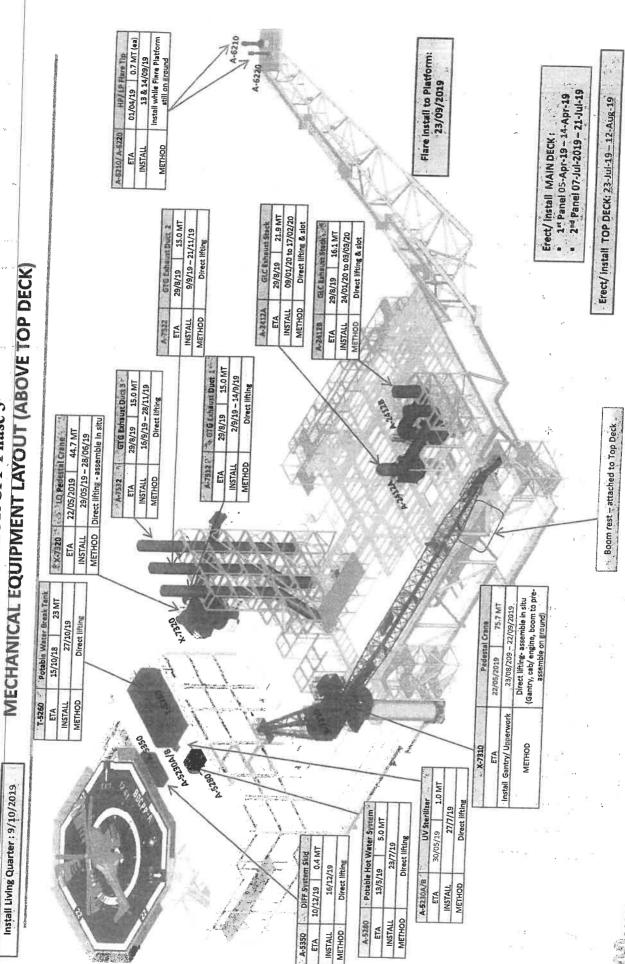
Erect/ Install MAIN DECK

PETRONAS 10/11/2019 -15/01/2019 Hare Ignition Package 01/04/19 1.6 MT A-2410A Gas Lift Compressor Phys Direct Lifting Top Lift & skidding 20/07/19 Erect/Install TOP DECK: 23-Jul-19 - 22-Aug-19 2.0 MT A-6230 METHOD A-6240 P. UPG Cylinder Rack INSTALL ETA 1r Panel 5 Apr 2019 INSTALL METHOD Direct Lifting 22/07/19 METHOD Direct Lifting from Top Dack 70 MT 10.0 MT TEG Regan Package No Car # 24108 % Grath Compressor Pag 2

ETA - D4.114/39 84.4 MT

INSTALL 20/11/19 - 10/1/20 F

METHOD 10 10 & Skidding 04/04/19 C.2218 Sycal Yantactor Direct Lifting 14/07/19 11/08/19 17/04/19 05/04/19 METHOD INSTALL ETA BOTALA INSTALL 30,31/10 & 1/11/2019 A-2300 31/01/19 2.4 MT METHOD INSTALL s Lube Oil Cooler ETA Direct Lifting INSTALL ETA 7520/ 7530 METHOD ETA A 2510 Gas Injection Compressor ETA 14/5/19 70 MT Direct Lifting 18/07/19 METHOD INSTALL 0565.7 Orgin A-2700 Vapor Recovery 5/18 Pkg ETA 18/3/19 4.2 MT Direct Lifting 09/07/19 INSTALL METHOD Gas Turbine Generator Pkg. 1 Gas Turbine Generator Pkg. 2 Gas Turbine Generator Pkg. 3 37,5 MT 37.5 MT 37.5 MT 10/5/19 - 10/7/19 11/4/19 - 30/4/19 15/4/19 - 5/5/19 5/5/19 - 28/6/19 18/4/19 - 11/5/19 Direct Lifting Direct Lifting A-5900 Nitro en Generation Pie ETA 14/5/19 6.5 MT A-6010 Fuel Gas Treatmant Skid V-5950 Nitrogen Receiver A-4030 Daerator Vacuum Pump Pig 16/5-22/7/19 Direct Lifting 6/2/19 2/5/19 24/12/18 4.3 MT 18/3/19 18 MT 12/5/19 11/12/18 6.0 MT Direct Lifting Direct Lifting Direct Lifting 12/07/19 14/6/19 Direct Lifting 31/1/19 31/1/19 07/07/2019 8/6/19 31/1/19 SMMHE Fabricate, Install, machine support Fabricate, Install, machine support machine support Inst. accessories A-7510 Fabricate, Install, Inst, accessories inst. accessories METHOD **INSTALL** skid INSTALL skid METHOD METHOD INSTALL INSTALL skid INSTALL METHOD METHOD INSTALL A-7520 Ę ETA A-7530 METHOD ETA INSTALL METHOD ETA



BOKOR CPP Phase 3

Install Living Quarter: 9/10/2019

SIMMHE

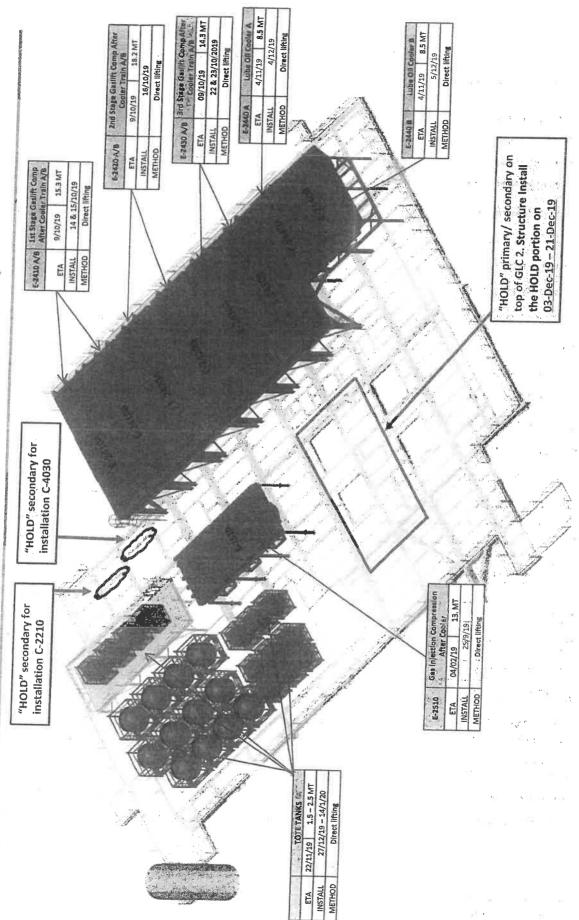
PETRONAS

**©** 

BOKOR CPP Phase 3

Erect/ Install TOP DECK: 23-Jul-19 - 22-Aug-19

MECHANICAL EQUIPMENT LAYOUT (TOP DECK)





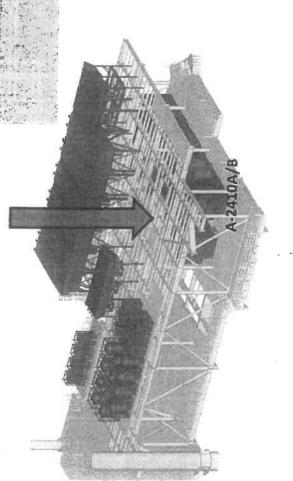
### MECHANICAL EQUIPMENT LAYOUT (TOP DECK **BOKOR CPP Phase 3**

### Installation method of GLC:-

- (2xSeal Gas Compressor -Top Lift and skid - A-2410A Driver skid).
  - Top Lift and skid A-2410B (2xSeal Gas - Compressor) 7



installation A-2410A/B (require Hold Structure beam for 11m x 5m clearance).



up with Chain block

15Ton x 4 nos

SKIDDING PLAN for V-6220 below CD

o journal

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11

1

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1

. 1



### **RESUME**



### **PERSONAL DETAILS**

Name : Mohd Zuhair Bin Zulkefli

Identification No. : 970901-05-5277

Date of Birth : 1st September 1997

Place of Birth : Seremban, Negeri Sembilan

Age : 21
Sex : Male
Marital Status : Single
Race : Malay
Religion : Islam
Citizenship : Malaysian

Postal Address :No.527, Jalan 14, Taman Seri Pagi, Senawang 70450

Seremban, Negeri Sembilan

Mobile Phone No. : 0137295226

E-mail : zuhairzulkefli@gmail.com

### **EDUCATIONAL BACKGROUND**

Year / Period	Institution	Level	Achievement / Award
2014	SMS MUZAFFAR SYAH	SIJIL PELAJARAN MALAYSIA	8A 1B
2016	UITM JOHOR KAMPUS PASIR GUDANG	DIPLOMA	3.01 CGPA

### **EXTRA-CURRICULAR ACTIVITIES**

Year / Period	Programme / Activity	Location	Participation
2014	KEJOHANAN KAWAD NEGERI MELAKA	MELAKA	PENGAKAP UDARA
2017	RAYA COMMERCIAL VIDEO COMPETITION	UiTM PG	PARTICIPANT
2017	SUSTAINABLE FLOATING CITY COMPETITION	UiTM PG	ASSISTANT PROJECT MANAGER

INDUSTRIAL TRAINING

FC110

### **WORKING EXPERIENCE**

Year / Period	Organisation	Designation	Responsibilities
2015	PESONA MENAWAN	SALES ASSISTANT	Sell health products and make a profit.
2016	7 ELEVEN	CASHIER	Receive payment by cash and record the invoice product.
2017	MARRYBROWN	CASHIER	Receive payment by cash, check, credit cards, vouchers, or automatic debits.

### SKILLS

Language skills:

Language	Written	Speaking
BAHASA	EXCELLENT	EXCELLENT
MELAYU		
ENGLISH	GOOD	MODERATE

Computer Literacy: Microsoft Word, Microsoft Powerpoint, Autocad and Dev C++

Other skills : Excellent at team working, multitask and can complete a task on

time.

### **ACADEMIC REFEREES**

1. Name : NUR MUIZZAH BT. NAWI

Designation : LECTURER

Organisation: FAKULTI KEJURUTERAAN AWAM,

UITM CAWANGAN JOHOR KAMPUS PASIR GUDANG.

Tel. No. : 017-6240627

Email : nmuizzah@uitm.edu.my

2. Name : MOHD. FIRDAUS B. MOHD. AKHBAR

Designation : LECTURER

Organisation: FAKULTI KEJURUTERAAN AWAM,

UITM CAWANGAN JOHOR KAMPUS PASIR GUDANG.

Tel. No. : 013-2994660

Email : firdausakhbar@gmail.com

### Fakulti Kejuruteraan Awam Faculty of Civil Engineering Tel: 607-3818309 / 8339 / 8328 Fax: 607-3818141

### UNIVERSITI TEKNOLOGI MARA CAWANGAN JOHOR

Kampus Pasir Gudang, 81750 Masai, Johor. Te: 607—3818000 Fax: 607-3818141



UiTM.FKA.LI-02

Surat Kami: 100-UITMKPG(FKA14/3/4)

Tarikh : 22 MEI 2019

DD&I ENGINEERING SDN BHD, NO 1&2, BAZAAR MASAI, JALAN BAYAN, 81750 MASAI, JOHOR

Tuan,

PERMOHONAN PENEMPATAN LATIHAN INDUSTRI BAGI PROGRAM DIPLOMA KEJURUTERAAN AWAM (EC110)

Nama: : MOHD ZUHAIR BIN ZULKEFLI

No. Kad Pengenalan: : 970901-05-5277 No. Pelajar UiTM : 2016307303

Program : DIPLOMA KEJURUTERAAN AWAM

Semester : 5(LIMA)

- 2. Saya dengan ini mengesahkan bahawa butir-butir peribadi dan akademik di atas adalah seorang pelajar di Fakulti Kejuruteraan Awam, UiTM, Pasir Gudang.
- 3. Sukacitanya jika pihak Tuan dapat menerima pelajar tersebut untuk menjalani Latihan Industri untuk tempoh LAPAN (8) minggu bermula pada 8 JULAI 2019 sehingga 2 SEPTEMBER 2019 sebagai pra-syarat untuk lulus. Sebagai makluman, pelajar dilindungi oleh insurans sepanjang tempoh latihan.
- 4. Jika Tuan bersetuju untuk penempatan pelajar ini, saya memohon jasa baik pihak Tuan untuk memaklumkan kepada pihak saya dengan melengkapkan "Borang Pengesahan Penerimaan" (lampiran UiTM.FKA.LI-04) dalam tempoh **DUA (2)** minggu daripada tarikh surat ini. Jika tidak ada sebarang maklum balas daripada pihak Tuan, permohonan ini dianggap **TIDAK BERJAYA**.
- 5. Latihan industri yang akan dijalankan selama 8 minggu adalah sangat pendek, tetapi ia sangat bermakna untuk membantu Universiti dalam menghasilkan bakal jurutera yang berdedikasi, cekap dan berdaya saing selepas tamat pengajian.
- 6. Fakulti Kejuruteraan Awam UiTM Kampus Pasir Gudang amat menghargai kerjasama pihak Tuan dalam semua hal yang berkaitan dengan latihan industri pelajar Fakulti Kejuruteraan Awam UiTM Kampus Pasir Gudang.
  Terima kasih.

Yang benar,

MOHD FIRDAUS B. MOHD AKHBAR KOORDINATOR LATIHAN INDUSTRI FAKULTI KEJURUTERAAN AWAM KAMPUS PASIR GUDANG UITM JOHOR

KOOR. L.I FKA UITM PG

s.k 1) Ketua Pusat Pengajian Kejuruteraan Awam, UiTM Pasir Gudang

Fakulti Kejuruteraan Awam Faculty of Civil Engineering Tel: 607-3818309 / 8339 / 8328 Fax: 607-3818141

UNIVERSITI TEKNOLOGI MARA CAWANGAN JOHOR

Kampus Pasir Gudang, 81750 Masai, Johor. Te: 607–3818000 Fax: 607-3818141



UiTM.FKA.LI-05

Our Reference: 100-UiTMKPG(FKA14/3/4)

To:
Industry Training Coordinator,
Faculty of Civil Engineering
Universiti Teknologi MARA
Cawangan Johor Kampus Pasir Gudang
Jalan Purnama 81750 Masai Johor

Dear Sir / Madam

INDUSTRIAL TRAINING REPORT DUTY VERIFICATION SESSION .....2 19

The above matter is referred.

Please be informed that the following students has reported for Industrial Training to our company / organization on 15/7/2019 (completed by the company/ organization) as stated.

STUDENT NAME : MOHD ZUHAIR B. ZUCKEFU

STUDENT NO. : 2016207302

ID NO. : 970901-05-5277

PROGRAMME : DIPLOMA IN CIVIL ENGINEERING

SEMESTER : 5

REPORT DATE : 15/7/2019

INDUSTRIAL TRAINING ADDRESS : NO 1-2, BAZAAR MASAI, JALARI

BAYAN, 81750 MASAI, JOHOR.

DURATION / PERIOD : & weeks

Thank you.

Yours sincerely,

(Signature and Company /Organization Stamp)

### Fakulti Kejuruteraan Awam

Faculty of Civil Engineering Tel: 607-3818309 / 8339 / 8328

Fax: 607-3818141

### UNIVERSITI TEKNOLOGI MARA

CAWANGAN JOHOR Kampus Pasir Gudang, 81750 Masai, Johor. Te: 607– 3818000 Fax: 607- 3818141



UiTM.FKA.LI-06

### **CURRENT LOCATION INFORMATION FORM**

(Borang Matlumat Penempatan Semasa)

L, STUDENT INF	ORMATION (Matlum	at Pelajar)			
n				. (No. UiTM)	
( me (Nama) :	MOHD ZHOM	R B. ZULKEFL		Al- 1/2	2016207303
Programme : (nrogram)	ECIIO		ID No. (	NO. K/P)	970901-05-527
1	2		Semeste	r (Semester):	5
	No 51 , TALA	N MAYA 4, W	AYA HEIGHT	, 81750	MASAI,
П	JOHOR				
ione (Telefon) :	013 - 72952	26	Mobile No.(No. h/p	): 	No
Email (emel) :	2 uharr zulketli	@gmail-com			
ORGANIZATIO	ON INFORMATION (	Matlumat organisasi)			
201	Dani Enair	vering Sdn.	Bhd.		
idress (alamat):	ND 1-2	sazaar masa	i Talan B	31mn / 8-1	750
	masai, Joi	Ob			
	ilasai, joi	NOT			
Contact Person (P	egawai yang boleh dihul	oungi): Nuraini B	inti Ismail		
	atan) : Mandaem				
	013 7898606 Mobile No.(No. h/p):				
Fax No. (No. Fax):	Email (emel): Adnieng @gmail com				
	1 -	-a <sub>j</sub>			
	(/JDY	******************	21	5/7/2019	
Signature (Tandatangan) Date (tarikh)				)	
		,52)			
* Kindly mail this f	form to the Faculty o	of Civil Engineering, Ui	TM Pasir Gudang via	fax/post/ema	nil within a week to:
	·	Ĭ			
	raining Coordinator,				
	Civil Engineering Teknologi MARA				
	i Johor Kampus Pasi	r Gudang			
Jalan Purn	ama 81750 Masai .		W		
Office use:	Checked by:		Approv	ed by:	
					2
(u / p: Mo	hamed Khatif Tawa	f, fax to: 607-3818141	or email: mohdkhatij	f@johor.uitm	.edu.my)
INDUSTRIAL		<b>.</b>		**************************************	
HOUSI KIAL TRAIN	ING STUDENT HANDB	ООК			- 22 -