

INTERNSHIP IN INDONESIA

Seven undergraduates from FKAAS UTHM were selected to participate in a 10 weeks Industrial Training Mobility Program from 19th July 2017 to 25th August 2017, as exchanged students to, Universitas Muhammadiyah Surakarta (UMS), Indonesia. Under the supervision of Mr. Mochamad Solikin, ST, MT, Ph.D., Head of Department and Mr. Anto Budi L, ST, M.Sc, Associate of International Program. We are fortunate to be hosted by Pesma K.H Mansyur Campus 4 for our stay here.



As part of the program, we were dedicated to top construction contractors in Indonesia undergoing projects in the field of structure and hydraulic. The main objective International Internship Program is to expose students to the engineering construction works in Indonesia. During this two and a half months, students also had the opportunities to experience living with the local community and the working culture in Indonesia. We are grouped as shown in the table below

Participants Name	Contractor and Project
Nur Huda Binti Mohamad Nursyazana Binti Aziman Syahida Binti Sapia'e	PT. Nusa Raya Cipta (Apsara Tower The Kahyangan)
Noor Fitriah Faaizin Binti Abdul Latif Lim Wei May	PT. Wijaya karya (Flood Control Kota Surakarta – Paket 2)
Nur Atiqah Atirah Binti Mohd Din A'isyah Mardhiyyah Binti Shahrashaha	PT. Adhi Karya (Flood Control Kota Surakarta – Paket 3)

For construction project in the field of hydraulic is Flood Control Kota Surakarta. This is one of the large scaled project to overcome the frequent occurrence of flood in Kota Surakarta. In this project, we are exposed to the construction work of flood control structures that mitigate the flood water effectively between Kota Surakarta and Sungai Bengawan Solo such as parapet and revetment, pump house and water gate.



For construction project in the field of structure is Apsara Tower The Kahyangan. In this project, we were exposed to construction processes such as the installation of formwork and the concrete pouring. Apart from that, we are also taught several calculations associated to the materials estimation. The project can be acknowledged as one of the remarkable buildings in Solo Baru since it is the first luxurious apartment in that area.



The life in Pesma K.H Mansyur is convenient and comfortable with the best hospitalities provided by hostel staffs. Besides, students are invited to participate in a day trip to Jogja and Independence's Day Game which tighten the bond between local students and Malaysian students.



In short, this International Internship Program is a wholesome program where students gained practical construction knowledge and enhance critical thinking on management, construction method, on-site problems and solutions. On top of all, this program will not succeed with the courage of students solely, but also the involvement and commitment from respective parties namely the university and company itself.

INTERNSHIP IN CHINA

On 16 June 2017, 10 students from Faculty of Civil and Environmental Engineering under supervision of Assoc. Prof Dr Zainal Abidin bin Akasah have been undergo industrial training to Himin Solar Co., Ltd. and International Micro Emission University (IMEU) at Dezhou City, Shandong Province in China for 10 weeks starting from 18 June 2017 until 24 August 2017. 10 of the students were chosen after being interviewed and fulfill the requirement by the faculty.



Figure 1: Welcoming ceremony in front of the headquarters of Himin Solar Co., Ltd

The objectives of this program were to expose to the students in working environment as civil engineer in China and also to help the students to apply their knowledge from the learning process in class to the real scenario of civil engineering. Besides, this program also helps the students to get well prepared to face the career challenge and expanding their knowledge related to the solar technologies which have been developed by China. From these experience and knowledge, students can come out with idea how to implement the new technology about solar energy in Malaysia industries.

This internship training was one of the part taken by Faculty of Civil and Environmental Engineering to promote UTHM globally in order to become the excellent university that standing highly in the eyes of the world. Furthermore, this program also help to increase the good political relationship between China and Malaysia generally.

During the internship, the students were exposed to the solar technologies such as the process of installation the solar system in the building, the sustainable building technology and also the process of solar photovoltaic and solar thermal production in factory.



Figure 2: Site visit in first week of internship

The program was also being supported by Faculty of Civil and Environmental Engineering with the help by Pusat Pembangunan Pengembangan Pelajar (P3P) Universiti Tun Hussein Onn Malaysia. The students have been chosen not only based on their performance and dedication on their academics but also in their curriculum achievement in university.

Experience gained through the industrial training will be invaluable for the students after they have graduated. The employability of a will most likely increase as they are far more advanced and experienced in their profession due to the cumulative knowledge gain by undergoing industrial training program by their respective institution. Given the fact that the majority of today's firm or company emphasizes the mentioned aspects, the odds are most likely to be in their favor. Last but not least, hopefully this program will become a stepping stone for the UTHM to increase the university ranking and promote the product of UTHM in the world.



Figure 3: Ceremony for the end of industrial training at Himin Solar Co., Ltd.

2ST INDUSTRIAL TRAINING BRIEFING SESSION

On May 25, 2016, a comprehensive briefing session on Industrial Training (for 3rd semester 20162017) was conducted with the aim to explain to students regarding all procedures for the training and the training application through e-LI. The venue took place at Dewan Peperiksaan F2, Universiti Tun Hussein Onn Malaysia at 5.00 p.m. local time. The session was conducted by the Industrial Training Coordinator, Dr. Shaylinda binti Mohd Zin. In addition, students were also exposed on how the training system works, the assessment scheme, the process before or after the training is completed etc. Q&A session was also conducted shortly after the briefing session ended, and it was dismissed at approximately 6.00 p.m. the same day.

Program Tentative

- 4.45 p.m. : Student registration
- : Arrival of Industrial training committee
- 5.00 p.m. : Opening ceremony and Industrial Training briefing by the Coordinator
- 6.00 p.m. : End of Program



1ST INDUSTRIAL TRAINING BRIEFING SESSION

On December 14, 2016, a comprehensive briefing session on Industrial Training (for 3rd semester 2016/2017) was conducted with the aim to explain to students regarding all procedures for the training and the training application through e-LI. The venue took place at Dewan Peperiksaan F2, Universiti Tun Hussein Onn Malaysia at 5.00 p.m. local time. The session was conducted by the Industrial Training Coordinator, Dr. Shaylinda binti Mohd Zin. In addition, students were also exposed on how the training system works, the assessment scheme, the process before or after the training is completed etc. Q&A session was also conducted shortly after the briefing session ended, and it was dismissed at approximately 6.00 p.m. the same day.

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