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**PELAJAR FKAAS JALANI
LATIHAN INDUSTRI DI CHINA**

ISSN 2231-8232



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CLASS VISIT TO INTEGRATED AGRICULTURAL DEVELOPMENT AREA (IADA)

AS PART OF WATER RESOURCES ENGINEERING COURSE
LEARNING ACTIVITY



Objectives

To explore the design of hydraulic structures

To manage problems related with water resources such as groundwater and water runoff based on experience gained at IADA

To complete problem-based learning (PBL) project focusing on drought, flood and leakage

Learning Through Experience

Water Resources Engineering (BFW 40103) students were taken on a class visit to the Integrated Agricultural Development Area (IADA) in Kuala Selangor on 8 November 2017. The program involved 34 students under the supervision of course lecturers, Dr Hartini Kasmin and Dr Siti Nazahiyah Rahmat.

Upon arrival, a briefing was delivered by Agriculture Officer, Mr Borhan bin Abdullah and Civil

Engineer, Mr Muhamad Halim Al-Hafiz bin Ramli from IADA about IADA and the design of the hydraulic structure for agricultural field (paddy).

Students were then taken to see, first hand, the hydraulic structure, such as tersier (palong), regulator and spillway. Palong is used to receive water from river and distribute to the paddy lot area. Regulator is used to control water level of the river to irrigate and distribute water from the river to the palong, whilst spillway is used to flow the excessive water from paddy area to the lower drain/river area.

Benefits of the class visit

Students were able to understand the design of hydraulic structure clearly and how the structure functions. While enhancing university-industry relationship, this program gives FKAAS students an insight into working experience of an engineer. Students were also able to manage problems related with water resources such as groundwater and water runoff based on experience gained at IADA. Lastly, this visit enables FKAAS experts to collaborate and help IADA develop new technologies.





Internship in China

On 16 June 2017, ten students from FKAAS under the supervision of Assoc. Prof. Dr Zainal Abidin Akasah underwent industrial training at Himin Solar Co., Ltd. and International Micro Emission University (IMEU) at Dezhou City, Shandong Province in China for ten weeks.

Their internship began on 18 June 2017 and ended on 24 August 2017. The students were chosen after being interviewed by the faculty. The objectives of this program were to expose the students to working environment as a civil

International Mobility Program

engineer in China and also help the students apply their knowledge from their learning process in class to the real scenario of civil engineering. This program also helps the students to be better prepared in facing challenges ahead in their careers and expanding their knowledge related to the solar technologies that have been developed by China. From these experiences, students can come out with ideas on how to implement the new technology about solar energy in Malaysia.

This industrial training was part of the faculty's international external mobility program that aims to promote UTHM and FKAAS globally in order to become an excellent university, standing highly in the eyes of the world. Furthermore, this program can also foster good diplomatic relationship between China and Malaysia.

During the internship, the students were exposed to the solar technologies such as the process of installation the solar system in the building, the





process of solar photovoltaic and solar thermal production in factory.

Experience gained through the industrial training will be invaluable for the students after they have graduated. Their employability rate will most likely increase due to the experiences and skills gained by undergoing industrial training overseas. Given the fact that majority of firms or companies emphasizes the aforementioned aspects, the odds are most likely to be in their favour.

Last but not least, hopefully this program will become a stepping stone for FKAAS and UTHM to increase the faculty and university ranking, and promote the human capital produced by UTHM to the world.

CORPORATE SOCIAL RESPONSIBILITY (CSR)

Cleaning of Sultan Ibrahim Mosque



A total of 49 students from the Engineer & Society (BFC 32202) course under the guidance of their lecturer, Ir Dr Raha Abd Rahman took part in the cleaning of UTHM's Sultan Ibrahim Mosque as part of their social responsibility program.



The CSR program, which was held on 18 April 2017, was aimed at enhancing relationship between students and the community, exposing students to societal issues and engaging them in the nature of corporate social responsibility as future engineers.

Students were divided into 8 groups and given tasks of cleaning the wudhu areas, dining hall, floors, staircases, reading room, prayer room and washing telekungs.

Through this program, it is hoped that students have the ability to positively impact the community, support their employer and generate public value outcomes, strengthen relationships between all ethnic groups, and enhance relationship between students and the community.



Student Mobility Programme

HO CHI MINH, VIETNAM

15 - 20 OCTOBER 2017

6 DAYS, 5 NIGHTS

**1 LECTURER
20 UNDERGRADUATES
4 POSTGRADUATES**

**ORGANIZE BY :
CIVIL ENGINEERING
STUDENT SOCIETY**

**SPONSORED BY :
STUDENT AFFAIRS AND
ALUMNI, UTHM**

Ho Chi Minh, the nation's iconic Communist-era leader

by Dr. Ariff Nazri

Our trip takes about 2 hours 30 minutes from KLIA2 to Tan Son Nhat International Airport, Saigon. Malaysia precedes 1 hour compared to local time. Our arrival is welcomed with a noisy road environment with a vehicle's horn bands, especially motorcycles. This is our first experience of 25 people here.

Not many activities were conducted on the first day as our arrival was quite late afternoon and dusk greeted earlier than Malaysia. Rainy weather accompanies our journey to the hotel while our eyes are treated to the beauty of the city of Saigon. Complete our first day in a foreign land and a brief exploration of the night on foot walking around the rows of shops around the hotel. The rain that still pouring down limits our steps to further explore the area.



Kuala Lumpur International Airport 2 (KLIA2)



Mekong Delta Cruising

2017 FKAAS

STUDENT MOBILITY PROGRAMME HO CHI MINH, VIETNAM



Saigon Central Post Office

Classic city that breathes in modernization

We continue exploring the city of Saigon by carrying out the Mekong river cruises which are the main heart of Ho Chi Minh City. we spend half a day with activities around the river by visiting the small industrial village in diversifying the production of coconut-based products. we are also given the opportunity to participate in the product making demonstration of some of the products. then we boarded a horse cart before reaching another village rich in fruit crops. here we are served with a few pieces of fresh fruit while being offered with singing from locals.



Cu Chi Tunnel

Cu Chi tunnel

The tunnels of Củ Chi are an immense network of connecting underground tunnels located in the Củ Chi District of Ho Chi Minh City and are part of a much larger network of tunnels that underlie much of the country. The Củ Chi tunnels were the location of several military campaigns during the Vietnam War, and were the Viet Cong's base of operations for the Tết Offensive in 1968.

The tunnels were used as hiding spots during combat, as well as serving as communication and supply routes, hospitals, food and weapon caches and living quarters for numerous North Vietnamese fighters. The tunnel systems were of great importance to the Viet Cong in their resistance to American forces, and helped to counter the growing American military effort.

Student Mobility Programme

HO CHI MINH, VIETNAM

PLACE VISITED

NOTRE-DAME BASILICA
INDEPENDENCE PALACE

WAR REMNANTS MUSEUM
BEN THÀNH MARKET

SUOI AMUSEMENT PARK
GIA LONG PALACE

MUSEUM OF FINE ARTS
CENTRAL POST OFFICE

HO CHI MINH CITY HALL
CU CHI TUNNELS

Exploring like a traveller, not as a tourist

That's the practice applied to participants who follow this time mobility programme. It is the best exposure in appreciating local culture and prevalence. More time is spent on recognizing the visited country either directly or not. Too much experience is available throughout our 6 days 5 night in Saigon city. Apparently, we will miss their traffic noise which is so crowded but no accident happened all the time we were there as well as the ability of locals people to speak in Malay especially in places where tourists are coming from Malaysia.

We will definitely be returning to Vietnam but certainly to another area to complete our exploration to the rest of Vietnam.

Tạm biệt Veitnam và gặp lại bạn



War Remnants Museum



Gia Long Palace

ICPC 2017



PERTANDINGAN PONTOON KONKRIT ANTARABANGSA

Pertandingan Pontoon Konkrit Antarabangsa Kali Pertama 2017 (ICPC2017) telah berlangsung dari 17 hingga 18 September 2017 bertempat di Dewan Tunku Mahkota Ismail, UTHM. Seramai 26 kumpulan dari beberapa Institusi Pengajian Tinggi di Malaysia dan 2 kumpulan dari Indonesia menyertai pertandingan ini.

Pertandingan ini memberi impak yang positif kepada mahasiswa khasnya dalam meningkatkan pengetahuan dan kemahiran para pelajar dalam aspek rekabentuk, aplikasi dan teknologi pontoon konkrit.

Di samping itu pertandingan ini dapat memupuk kreativiti dan inovasi dalam merekabentuk dan membina struktur pontoon konkrit yang lestari.

ICPC 2017 telah dirasmikan oleh Timbalan Naib Canselor Penyelidikan dan Inovasi, Prof Dr Ruzairi Abd Rahim, yang turut sudi menyampaikan hadiah kepada pemenang.



SENARAI PEMENANG ICPC 2017

ICPC 2017 telah diadakan oleh beberapa juri yang bertauliah. Berikut adalah senarai pemenang:

PONTOON TERBAIK

1. Universiti Malaya (B2)
2. Universiti Teknologi Malaysia (C6)
3. Universiti Tunku Abdul Rahman (A4)

VIDEO TERBAIK

1. Universiti Tunku Abdul Rahman (A4)
2. Universiti Tunku Abdul Rahman (B4)
3. Universiti Tun Hussein Onn Malaysia (B6)

HADIAH KHAS JURI

Rekabentuk Terbaik & Praktikal:
Universiti Malaya (B2)

Mutukerja Terbaik:
Politeknik Sultan Salahuddin Abdul Aziz Shah (E1)

Persembahan Terbaik:
Universiti Tun Hussein Onn Malaysia (B6)

Anugerah Inovasi TNCPi:
Universiti Malaya (B2)





INTERNATIONAL MOBILITY PROGRAM

UNIVERSITAS BAKRIE &
INSTITUTE OF ROAD
ENGINEERING,
BANDUNG, INDONESIA

Visit to Universitas Bakrie

The Faculty of Civil and Environmental Engineering (FKAAS) organised an international mobility program to Bandung, Indonesia on 19 - 24 August 2017. The program involved five students and was supervised by Dr Goh Wan Inn. The first visit was to Universitas Bakrie. The FKAAS delegation was warmly received by Dr Ade Asmi of Universitas Bakrie. After the welcoming event, representatives from both universities exchanged ideas, including student exchange, course contents, academic life and learning environment. After the discussion, the FKAAS delegation was taken on a tour of the facilities available at Universitas Bakrie, including the Bakrie Tower, which is the landmark of the university.



Visit to Institute of Road Engineering

The FKAAS delegation then visited Puslitbang Jalan dan Jembatan at the Institute of Road Engineering (IRE). There to welcome the delegation was Dr Madi Hermadi, who is the chief researcher at IRE for developing new technologies for road and bridge construction. The delegation was taken on a tour of their laboratory to show the facilities that they have. Discussions were held between both parties to explore opportunities for FKAAS students who want to do research or industrial training at the institute.

This international mobility program, strengthens the relationship between FKAAS and international universities and industries. Many benefits have been gained from this mobility program, particularly in exposing FKAAS students to new knowledge and experiences from a different perspective, thus expanding their ideas and creativity. New opportunities have also been uncovered, which allows prospective students who wish to participate in student exchange programs and industrial training overseas.





Ceramah Kerjaya: What Employers Want & Corporate Grooming

HEPA FKAAS dengan kerjasama Persatuan Pelajar Awam (PPA) dan Construction Brigade telah mengadakan satu program ceramah bertajuk *Career Talk: What Employers Want & Corporate Grooming* pada 16 April 2017 bertempat di Bilik Tayangan Video Aras 8, FKAAS.

Penceramah yang telah dijemput bagi menyampaikan ceramah tersebut ialah Puan Salasiah Abbas dari UMLand J-Biotech Park Sdn. Bhd. Beliau berpengalaman lebih 10 tahun dalam menemuduga calon-calon untuk temuduga kerja dan sekarang sedang melanjutkan pengajian di peringkat Doktor Falsafah di UTM secara separuh masa. Ceramah bermula dari jam 9.00 pagi dan berakhir pada jam 12.00 tengahari dan dihadiri oleh hampir 30 orang pelajar FKAAS.

Objektif program ini diadakan adalah bagi mendedahkan pelajar-pelajar FKAAS terutamanya pelajar tahun akhir tentang perkara-perkara yang perlu diambil berat sebelum menghadiri sesi temuduga kerja supaya mereka lebih bersedia dan tahu soalan-soalan yang biasa ditanya semasa sesi temuduga. Ini kerana kejayaan seseorang dalam mendapat pekerjaan bukan sahaja bergantung kepada keputusan akademik tetapi juga dipengaruhi oleh bagaimana mereka mempersiapkan diri mereka semasa temuduga dari segi penampilan, bahasa badan, tahap keyakinan, kemahiran menjawab soalan dan lain-lain lagi.

Bengkel Rekabentuk Struktur Konkrit-Keluli Menggunakan Staad.Pro

Pada 16 April 2017 yang lepas, HEPA FKAAS dengan kerjasama Persatuan Pelajar Awam (PPA) dan Construction Brigade telah menganjurkan Hari Kemahiran Perisian di mana penganjurannya adalah serentak dengan penganjuran Karnival Gegar FKAAS 2017.

Salah satu aktiviti bagi program Hari Kemahiran Perisian ialah Bengkel Rekabentuk Struktur Konkrit-Keluli Menggunakan Staad.Pro di mana penceramah jemputan ialah Dr. Zainorizuan Mohd Jaini. Bengkel ini diadakan di Bilik Lestari 2, Perpustakaan Tunku Tun Aminah dan mendapat penyertaan hampir 30 orang pelajar FKAAS.

Bengkel satu hari ini mendedahkan pelajar tentang rekabentuk bangunan hibrid konkrit-keluli yang semakin popular dalam pembinaan pada masa sekarang. Pelajar diajar merekabentuk bangunan konkrit-keluli menggunakan StaadPro daripada penentuan nod sehinggalah kepada analisis struktur dan seterusnya merekabentuk bangunan tersebut.

Di akhir program, pelajar telah berjaya merekabentuk sebuah bangunan hibrid konkrit-keluli yang mana pengetahuan yang diperolehi boleh menjadi nilai-tambah dalam menceburi alam pekerjaan yang semakin mencabar dan kompetitif pada masa sekarang. Program seperti ini dilihat perlu diadakan dengan lebih kerap melihatkan kelebihan yang boleh diperolehi oleh pelajar yang menyertai bengkel ini.





FUYOO FKAAS

By Dr Hartini Kasmin

In conjunction with the Gegar FKAAS Carnival 2017, Fuyoo FKAAS (previously known as PA Perdana) was held on Monday, April 17, 2017. The event took place on the FKAAS grounds, and was attended by Faculty members. The main purpose of the programme was to strengthen the bond between students and lecturers.

The programme started with a fun and exciting Zumba exercise that combined music and dance moves, followed by a welcoming speech and a ceremonial launch by Dean of FKAAS, Assoc. Prof. Dr Abd Halid Abdullah.

FKAAS students and academic advisors were divided into seven teams for the FKAAS Games event. Since this is the second time this event was held, all the teams expressed great enthusiasm and looked forward in high anticipation to games.

The mission of each team was to collect 600 points through 30 outdoor games in order to complete a puzzle related to FKAAS. The main goal of this activity was to encourage the Faculty members to communicate comfortably and effectively, thus building team spirit and unity. The teams were required to collect clues, with each clue given after accumulating 100 points from the games.

The Green Team was crowned as the champion of the FKAAS Games, followed by the Red Team and Black Team in second and third, respectively. The event ended at 1.30 pm after the lucky draw and prize-giving ceremony.



Perkongsian Ilmu oleh Prof. Amir Hashim & Pelancaran Student Chapter MPRC

Oleh Dr Mohd Ariff Ahmad Nazri

Pada 2 Februari 2017, Micropollutant Research Center (MPRC) telah menganjurkan satu slot perkongsian ilmu. Prof. Ir. Dr. Amir Hashim Mohd Kassim telah dijemput bagi membuka tirai agenda berkenaan bagi tahun 2017. Pengalaman, ilmu dan juga pencapaian yang telah beliau kecapai sehingga hari ini merupakan momentum kepada pembentukan acuan bagi memacu kecemerlangan kepada staf akademik, staf sokongan serta pelajar pasca-siswazah.

Beliau telah berkongsikan pandangan, cadangan, pemahaman serta hasil penyelidikan beliau sepanjang berkhidmat menerusi tajuk *Water Security* (Keselamatan Air). Sesi ini telah mendapat sambutan dari kalangan staf akademik amnya dan pelajar pasca-siswazah khususnya. Ia dilihat sebagai suatu aktiviti yang dapat merangsang keghairahan penyelidik untuk terus menyelidik penemuan-penemuan baru di samping meneruskan kelangsungan kepada hasil-hasil kajian yang mapan.

Sesi kali ini adalah dibawah seliaan Dr. Nur Shaylinda Mohd Zain dengan dibantu oleh Dr. Mohd Ariff Ahmad Nazri dan Dr. Mohd Azlan Mohd Yusoff. Pada majlis berkenaan juga, Ketua Pusat, Dr. Radin Maya Saphira Radin Mohamed telah melancarkan satu organisasi pelajar yang dinamakan *Student Chapter*.

Organisasi kecil ini dianggotai oleh pelajar-pelajar pasca-siswazah yang masih aktif juga merupakan pembantu penyelidik kepada penyelidik kanan di bawah MPRC. Tujuan penubuhannya adalah bagi membantu dan melancarkan lagi segala aktiviti-aktiviti yang telah dirancang oleh pusat penyelidikan untuk sepanjang tahun di samping merencanakan sendiri program-program yang memberikan manfaat kepada pelajar terutamanya aktiviti yang melibat masyarakat.



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FKAAS Talk Series


Writing an Impact Journal & Answering Reviewers' Comments

by **Prof. Dr. Ruzairi Abdul Rahim**
 Deputy Vice Chancellor (Research & Innovation)

2:30 pm
 15 August 2017 (Tuesday)
 Bilik Mesyuarat FKAAS

Organised by the **FACULTY OF CIVIL AND ENVIRONMENTAL ENGINEERING**

A Winning Paper: Types, format and brief description

On 15 August 2017, Faculty of Civil and Environmental Engineering (FKAAS) organised a talk on "Writing An Impact Journal and Answering Reviewers' Comments" at Bilik Mesyuarat FKAAS, UTHM. The invited speaker for this talk series was UTHM Deputy Vice Chancellor Prof Dr Ruzairi bin Abdul Rahim. The talk was attended by students and staff.

The aim of the talk was to enhance researcher quality in terms of writing journal papers and handling reviewer comments wisely for high impact paper publication. Besides that, Prof Ruzairi shared his experience and tips to gain cross-university collaborators and earn research funding with a good proposal. He advised the participants that a good paper can be produced if the research has great novelty and the author exhibits good writing skills.

Among the best practices shared were the importance of making the right choice that suits the publisher's requirements, seeking consultation from peers, and obtaining collaborators outside the university. Prof Ruzairi also mentioned that it is not wise to send one manuscript to many journals at one time.



Software Skills Enhancement

MICROSOFT PROJECT AND AUTOCAD TRAINING FOR STUDENTS

Microsoft Project

Microsoft Project is a project management software product designed to assist a project manager in developing a plan, assigning resources to tasks, tracking progress, managing the budget, and analyzing workloads.

FKAAS students who participated in this Microsoft Project course were guided by Pn Siti Khalijah Yaman in using this software to manage their work in the future. Participants gained knowledge on how to use this software.

The training was held at Bilik Lestari, Tunku Tun Aminah Library on 18 April 2017 from 8 a.m. to 5 p.m.



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<input type="checkbox"/>	IT HW Employee 1	Phase 1 and 2	Project 1	Martin	Committed	30%	02.01.2017	28.02.2017
<input type="checkbox"/>	Project: Project 2				Proposed	40%	06.02.2017	30.06.2017
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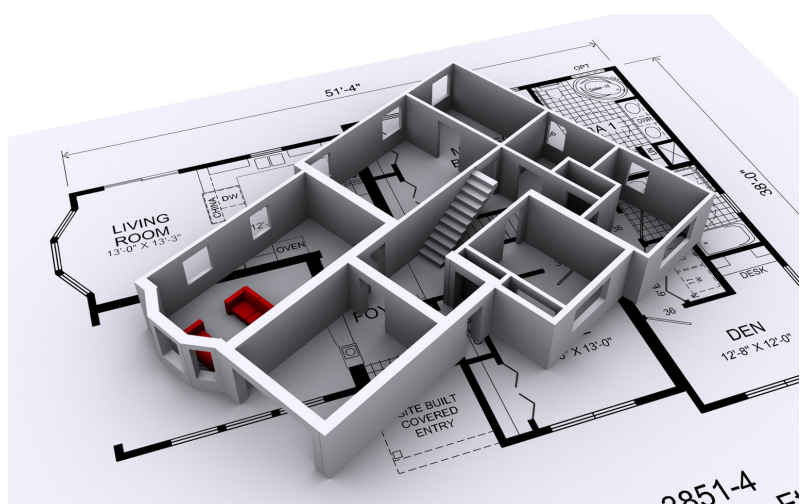


AutoCAD

AutoCAD is a computer-aided design software program that professionals use to digitally draw, import, export and publish 2D and 3D designs. Drafting and designing buildings, roads and bridges is time consuming when done traditionally. AutoCAD is thus very beneficial for civil engineering.

FKAAS students participated in this one-day AutoCAD course to improve their skills by hands-on training and practicing. Student also increased their knowledge, such as tips and tricks in using AutoCAD.

This program was held on 19 April 2017 at Makmal Komputer 1, FKAAS from 8 a.m. to 5 p.m. The trainer was Pn Nur Nasuha Abd Salam.



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