

19TH

ISSUE / 2015



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ENVIRON

PUSAT PENGAJIAN KEJURUTERAAN ALAM SEKITAR

The First Newton Links
Institutional Collaboration
Meeting and Technical Visit at

QUEEN'S UNIVERSITY

BELFAST

The
10th

UNIVERSITI
MALAYSIA
PERLIS

CONVOCAATION

INTERNATIONAL
CONSTRUCTION WEEK

IECCC 2015

INTERNATIONAL ECOLOGY
CONSERVATION CONCEPT CAMP

ISSN 1985-0018



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PECIPTA 2015



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the editor's



PENAUNG
Dr. Nasrul Hamidin



KETUA PENGARANG
Zaity Syazwani Mohd Odli



PENGARANG
Shamshinar Salehuddin



PENGARANG
Norren Shariza Mohamed Mokhtar



PENGARANG
Dr. Noor Ainee Zainol



PENGARANG
Mohamad Zahir Hanafi



PENGARANG
Aida Liyana Ahmad

Pusat Pengajian Kejuruteraan Alam Sekitar
Kompleks Pusat Pengajian Jejawi 3
Universiti Malaysia Perlis

Tel : 604 - 979 8626
Faks : 604 - 979 8636

email : dean_enviromental@unimap.edu.my
<http://ppkas.unimap.edu.my>

We welcome new
postgraduate
students
&
have a great learning
experience in PPKAS
and UniMAP!

By: Dr Naimah Ibrahim

The number of postgraduate students in PPKAS has increased to 57 by the end of year 2015. These students are inclusive of 20 PhD and 37 MSc students enrolled in the three research areas currently offer in PPKAS i.e. Environmental, Building and Civil Engineering, as shown in Figure 1 and 2. PPKAS is also in the process of offering a new MSc program by coursework in Academic Session 2017, i.e. MSc (Occupational Hygiene).

Within the second half of year 2015, 14 new students have registered; their names are listed in Table 1. Our first MSc/PhD student (Harvinder Kaur) has successfully upgraded her status to PhD following a mini viva and mini thesis examination in May and one of our MSc students (Thung Wei Eng) has upgraded his status to PhD in September. Seven of our postgraduate students were conferred the doctoral/master degrees during UniMAP's 10th Convocation Ceremonies in September. Congratulations to Dr Najihah, Dr Abdul Latif, Dr Murali, Ishak, Nik Noor Athirah, Siti Noor Baya and Wan Fadhilah.

THE MEDALIST



PECIPTA 2015

Tarikh: 4 - 6 December 2015
Venue: KLCC EXHIBITION HALL 4 & 5

Silver Medal

LASO Biocoagulant for Industrial Wastewater
Penyelidik:

Dr Wong Yee Shian (Utama)
Dr Ong Soon An
Brig. Jen. Datuk Prof. Emeritus Dr Kamarudin Hussin
Dr Sam Sung Ting
Dr Norazian Mohamed Noor

Bronze Medal

Acoustical-2:
Improvement of Fire Retardant Properties of Natural
Fiber Used in Noise Adsorption Panel
Penyelidik:
Dr Tengku Nuraiti Tengku Izhar (Utama)
Chan Choon Jiat
Nabilah Aminah Lutpi

POST GRADUATE STUDY

in PPK Alam Sekitar

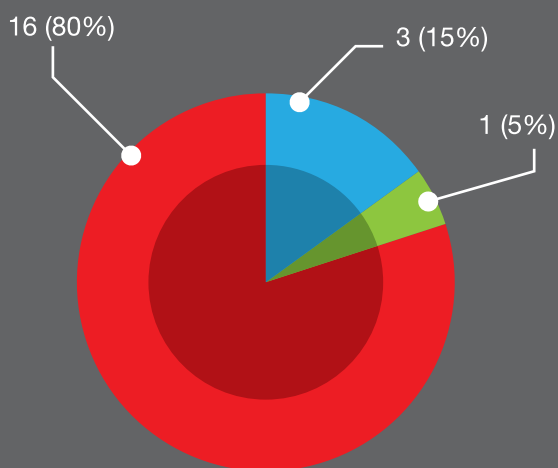


Figure 1 : PPKAS PhD Students Enrolment (2015)

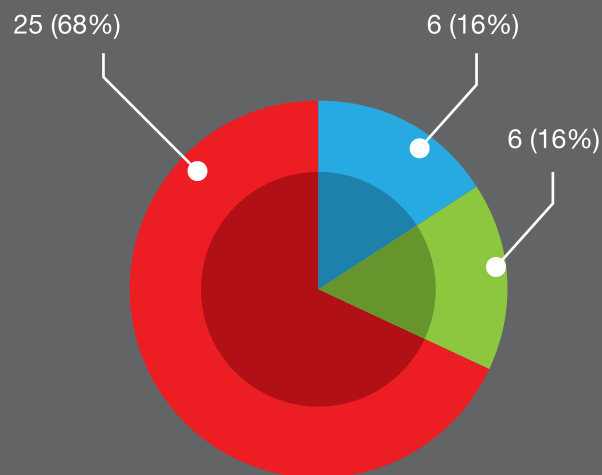


Figure 2 : PPKAS MSc Students Enrolment (2015)



Table 1: PPKAS New Postgraduate Students (Intake July-December 2015)

Student Name	Programme	Research Title	Main Supervisor	Co-Supervisor
Azlina Mat Saad	PhD (Environmental Engineering)	Biodegradation of Metaldehyde using Aerobic Granular Sludge to Reduce Xenobiotics Effect in Paddy Fields	Dr Farrah Aini Dahalan	Dr Naimah Ibrahim, Dr Sara Yasina Yusuf
Basiroh Binti Abdul Ghani	PhD (Environmental Engineering)	Indoor Air Quality in Relation to Microbial Contamination at The Hospital	Dr Sara Yasina Yusuf	Dr Farrah Aini Dahalan, Dr Irnis Azura Zakarya
Duangta A/P Shet	PhD (Environmental Engineering)	Chemical Exposure and Impact of Chemicals on Air Quality in the Healthcare Organization	Dr Nasrul Hamidin	Dr Sara Yasina Yusuf, Dr Naimah Ibrahim
Taibah Binti Hashim	PhD (Environmental Engineering)	Management Practices for Clinical Wastes from Healthcare Activities	Dr Irnis Azura Zakarya	Dr Tengku Nuraiti Tengku Izhar, Dr Abdul Latif Abdul Rani
Tan Sze Yen	MSc/PhD (Environmental Engineering)	Influence of Surface Species on Electrochemical Promotion of CO ₂ Methanation	Dr Naimah Ibrahim	Prof Dr Kheireddine Aroua (UM), Dr Umi Fazara Md Ali
Mustaffa Zainal	MSc (Environmental Engineering)	Development of Polypropylene / Recycled Acrylonitrile Butadiene Rubber/Sugarcane Bagasse Composites	Dr Ragunathan a/l Santiagoo	Dr Afizah Ayob
Nadiah Syafiqah Hj Abdullah	MSc (Environmental Engineering)	Assessment of Ground-Level Ambient Air Quality within Forests of Perlis	Dr Nasrul Hamidin	Dr Latifah Munirah Kamarudin
Nur Afiqah Zakaria	MSc (Environmental Engineering)	Imputation Methods for Filling Gaps in Air Pollution Data	Dr Norazian Mohamed Noor	Dr Sara Yasina Yusuf
Nurul Zufarhana Zulkurnai	MSc (Environmental Engineering)	The Mechanism of CO ₂ Interaction with Deep Eutectic Solvent (DES) Functionalized Activated Carbon	Dr Umi Fazara Md Ali	Dr Ninie Suhana Abdul Manan (UM), Dr Naimah Ibrahim
Siti Nasuha Sabri	MSc (Environmental Engineering)	Removal of Dyes from Industrial Effluents using Ozone-Based Advanced Oxidation Processes (AOPs)	Dr Che Zul zikrami Azner Abidin	Assoc. Prof Dr Fahmi Muhammad Ridwan
Abdul Rahim Abustan	MSc (Environmental Engineering)	Kesan Pendedahan Kualiti Udara Dalam dan Persekitaran Sekolah Terhadap Pelajar Sekolah di Kawasan Pauh , Perlis	Dr Nasrul Hamidin	Dr Sara Yasina Yusuf
Mohamad Khairi Khalid	MSc (Environmental Engineering)	Application of Nano Zero-Valent Iron in Coagulation Process for Nickel and Zinc Removal from Industrial Wastewater	Dr Che Zul zikrami Azner Abidin	Dr Abdul Haqi Ibrahim
Zaidatun Nadiah Muhamad Sanusi	MSc (Environmental Engineering)	The Assessment of Electrical Lightning Protection System Embedded in Reinforced Concrete	Ir Dr Muhammad Arkam Che Munaaim	Dr Mohd Fazldiel Aswad Ibrahim
Esra'a Shehadeh Hussein Abbaas	MSc (Environmental Engineering)	Residential Building Renovation Based on Sustainable Architecture	Ir Dr Muhammad Arkam Che Munaaim	En Mustaqqim Abd Rahim



The First Newton Links
Institutional Collaboration
Meeting and Technical Visit at

QUEEN'S UNIVERSITY BELFAST

By: Dr Umi Fazara Md. Ali and Dr Naimah Ibrahim

A research collaboration between Universiti Malaysia Perlis (UniMAP) represented by Dr Naimah Ibrahim, Dr Umi Fazara Md Ali and Dr Sara Yasina Yusuf, University of Malaya (UM) and the Queen's University Belfast (QUB) has been secured through the awarding grant of "Newton Fund Institutional Links" from the British Council, amounting GBP 144,390. A memorandum of agreement (MOA) on research collaboration between the three institutions has been signed for duration of 2 years. The benefit of this research project to Malaysia is twofold: i) Establishment of links between Malaysia and UK partners for future CO₂ capture and reuse projects ii) Technology transfer on electrochemical routes for CO₂ conversion into useful chemicals that offer an attractive solution to the mitigation of global CO₂ emissions providing a waste-to-value approach to the problem. This collaboration will contribute to enhance Malaysia research and innovation capacity in an area of great importance towards achieving low carbon economy.



The commencement of collaboration has witnessed the first progress meeting and visit between the institutions, held in Queen's University Belfast (QUB), United Kingdom from 25th until 28th of August 2015 involving the three institutions. In conjunction with the meeting, a research seminar has been organized by Dr Danai Poulidi, the representative from QUB, entitled "Electrochemical Routes towards Sustainability: CO₂ Capture and Utilization" on the third day of visit. The seminar has successfully gathered several groups of researchers from QUB itself, UniMAP and University of Malaya (UM) presenting several topics that focused on CO₂ capture and reduction as well as the electrochemical promotion of catalysis (EPOC). During the seminar, Dr. Naimah and Dr. Umi Fazara presented their previous work on EPOC and CO₂ reduction respectively while Dr. Sara Yasina presented a poster on her current study of CO₂ conversion to formate. The meeting and seminar were a success in uniting the collaborators and exchanging knowledge and



ideas between them in order to outline and formulate the research workplan for the grant.

Following the kick-off meeting, Dr Sara Yasina as the postdoctoral research assistant and Tan Sze Yen (PhD student) stayed in QUB for 3 weeks and 2 months respectively under close supervision of Dr Danai Poulidi to fulfil part of the knowledge transfer plan.





BIO-RISK Management Workshop

By: Dr. Farrah Aini Dahalan

The Industry Centre of Excellence of Biotechnology (i-CoE Biotechnology) together with The School of Environmental Engineering, UniMAP delivered a two-days intensive workshop from 4 to 5 November 2015 aiming of creating awareness and implementation biosafety and biosecurity management system within the academics and research community. The emerging field of biorisk management emphasize on the importance of implementing bio-risk management at institution and to comprehend the role and responsibility of practicing safe science in research laboratories. Bio-risk management is a management system approach which seeks to integrate concepts traditionally associated with laboratory biosafety and biosecurity to help biological facilities effectively evaluate and minimize biological risks.



The topics presented by biosafety professional trainers from Universiti Malaysia Sarawak, Dr. Azham Zulkarnain, and Dr. Tan Cheng Siang comprises of Biocontainment facilities and Biosafety Cabinets, Biological Waste Management, Respirator selection and fit testing, Personal Protective Equipment selection and demonstration-donning and doffing, Emergency response and spill management, and Implementation of effective Bio-risk Management. The workshop has incorporated hands-on sessions within small group activities using safety tools and equipment has created excitement and fun during the sessions. Participants enjoyed themselves through the interactive learning experience regarding implementation of biosafety and biosecurity.

The workshop were attended by lecturers, teaching engineers, postgraduate students, lab technicians, institutional management team members including the Dean of the school of Environmental Engineering, Dr. Nasrul Hamidin.

The outcomes from this workshop were directed to ultimately improve the bio-risk management through proper risk perception, develop tools and resources to guide the school's next steps in Bio-risk management in future.



Dr Azham Zulkarnain is the Vice President of the Malaysian Biosafety and Biosecurity Association (MBBA). Currently a Senior Lecturer in Biotechnology in Universiti Malaysia Sarawak (UNIMAS) and also entrusted in numerous internal committees related to occupational safety & health administration and laboratory biosafety. He received his PhD in Biotechnology from Shibaura Institute of Technology, Japan in 2010 and has vast experience working in the fields of microbiology, biochemistry and molecular biology.

He received special training Malaysian Advanced Biosafety Officer Training (MABOT) program and was a trainer for the new cohort of MABOT program. At the national level, he was appointed as trainer and resource person from the Ministry of Natural Resources and Environment (NRE) and Ministry of Defense (MoD) for numerous training events and policy-making workshops. He was also sent abroad to represent Malaysia in international meetings regarding Biosafety and Biosecurity matters. His latest contribution is setting up a foundation for Biorisk Management targeting management and leadership in Malaysia in a program involving Sandia National Laboratories.

Apart from MABOT, Dr Azham Zulkarnain also received extensive training on laboratory engineering controls, laboratory personnel monitoring and surveillance and laboratory security.



Dr Tan Cheng Siang is currently the head of the Centre for Tropical and Emerging Diseases, Faculty of Medicine and Health Sciences, Universiti Malaysia Sarawak. He graduated with a PhD in Virology from Newcastle University, United Kingdom in 2012 and has more than 10 years of experience in handling biohazardous agents.

Dr Tan is a Certified Biorisk Management Professional (CBMP), by the International Federation of Biosafety Association (IFBA) a prestigious internationally recognized biosafety professional competency programme in Biorisk Management and there are only 46 CBMP worldwide. Dr Tan holds the Malaysian Advanced Biosafety Officer Training (MABOT) and was trained by the experts from the United States and Canada. He has received trainings in the laboratory facility design, Heating, Ventilating and Air Conditioning (HVAC) system. Dr Tan have received direct instruction from Dr Sean Kauffman from Emory University, US in Biosafety Level 3 (BSL3) Laboratory training. Dr Sean Kauffman was directly involved with the Biosafety training of the personnel involved during the Ebola epidemic.

Dr Tan is a National Biorisk Management Trainer and has conducted more than 5 Biorisk Management Workshops throughout Malaysia and has trained more than 160 participants nationwide.



INTERNATIONAL CONSTRUCTION WEEK



By: Ilya Joohari

The International Construction Week (ICW) was held at PWTC, Kuala Lumpur on 9th until 11th September 2015. The year 2015 marks ICW's 15 years of bringing together construction industry players under one roof to showcase, learn, build partnerships and share innovative ideas. The ICW covered Engineering Week by Institute of Engineer Malaysia (IEM), Career Fair by Construction Industry Development Berhad (CIDB), Ecobuild Southeast Asia Seminar, Highest Early Strength Self Consolidating Concrete Cube Competition, Business Matching and Open Ideas Competition. The purpose of ICW is to introduce and promote engineering profession to the general public and the contribution of engineers in scientific and technology development. The ICW also seek to raise public awareness of engineers' positive contributions to quality of life. The target group for these strategies are engineers, universities, schools and the general public. The representatives from Universiti Malaysia Perlis by School of Environmental Engineering were Mr. Mustaqqim Abdul Rahim, Mr. Zuhayr Md Ghazali and Ms. Ilya Joohari.



LAWATAN KERJA KE KAMPUS TUANKU ABDUL HALIM MU'ADZAM SHAH, PUSAT PENYELIDIKAN LANGKAWI (PPL), UNIVERSITI KEBANGSAAN MALAYSIA (UKM)

Oleh: Dr. Abdul Haqi Ibrahim



Memandangkan jarak PPK Alam Sekitar adalah begitu hampir dengan Pulau Langkawi, maka pihak PPK Alam Sekitar seharusnya mengambil peluang ini untuk meneroka peluang-peluang penyelidikan yang ada di Pulau Langkawi.

Pada 27 September 2015, pihak PPK Alam Sekitar telah melaksanakan satu lawatan kerja ke Pusat Penyelidikan Langkawi (PPL) di Kampus Tuanku Abdul Halim Mu'adzam Shah, Universiti Kebangsaan Malaysia (UKM). Rombongan ini terdiri daripada 6 orang pensyarah dan diketuai oleh Dekan PPK Alam Sekitar, Dr Nasrul Hamidin. Manakala PPL pula diketuai oleh Pengarah Institut Alam Sekitar dan Pembangunan (LESTARI), Y. Bhg. Prof. Dr. Mohd Raihan bin Taha.

Tujuan utama lawatan ini diadakan adalah untuk mewujudkan satu hubungan kerjasama di antara PPK Alam Sekitar dan Pusat Penyelidikan Langkawi (PPL) di dalam bidang

penyelidikan terutamanya yang berkaitan dengan Pulau Langkawi. Memandangkan jarak PPK Alam Sekitar adalah begitu hampir dengan Pulau Langkawi, maka pihak PPK Alam Sekitar seharusnya mengambil peluang ini untuk meneroka peluang-peluang penyelidikan yang ada di Pulau Langkawi. Oleh kerana PPL sudah lama bertapak di Pulau Langkawi, maka hubungan kerjasama ini diharapkan membuka jalan kepada PPK Alam Sekitar untuk mula bertapak dan meneroka sebarang bidang penyelidikan di Pulau Langkawi.

Sepanjang lawatan, pelbagai maklumat telah dikongsikan di antara PPK Alam Sekitar dan Pusat Penyelidikan Langkawi (PPL). Semoga lawatan ini menjadi batu locatan kepada satu kerjasama yang lebih berimpak di masa hadapan.

PPKAS UniMAP in 2015 explores the potential of marketability of internal staff's expertise through water and waste water consultancy services works especially in the Northern Region of Malaysia.

One of the possible services in line with "Environmental Engineering" education program is a certification through Suruhanjaya Perkhidmatan Air Negara (SPAN) under Third Party (Independent Agency) for the purpose of monitoring and verification of performance and preparation of final report for the pilot project involving Sewerage Treatment Plant (STP).

In Malaysia, currently only 4 Higher Institution recognized by SPAN for the above purposes:

- 1) Research Management Center (RMC), UPM.
- 2) University of Malaya Consultancy Unit (UPUM), UM.
- 3) Research Management Institute, UiTM.
- 4) Development of Environmental Engineering, Faculty of Civil Engineering, UTM.

(Source: <http://www.span.gov.my/index.php/en/sewerage/147-list-of-third-parties-independent-agency-certified-and-endorsed-by-span-for-the-purpose-of-monitoring-and-verification-of-sewerage-pilot-project>)

PPKAS UNIMAP submitted the application to be listed as Third Party (Independent Agency) to join the above list. The application is now waiting for the SPAN's Board Endorsement and expected to be announced in January/February 2016. A ceremony of signing a Memorandum of Understanding (MoU) is expected to be held during PPKAS Dasawarsa Night Dinner on 9th April 2016.

The PPKAS presentation meeting held at SPAN's Headquarters, Cyberjaya on 19th October 2015, attended by The PPKAS Dean, Dr. Nasrul Hamidin, Ir. Dr Muhammad Arkam Che Munaaim (SPAN Qualified Person – Electrical), Ir. Roshasmawi Bin Abdul Wahab (SPAN Qualified Person – Civil) and Ir. Muhammad Amin Romeli (SPAN Qualified Person - Mechanical) representing PPKAS staff who are also SPAN Qualified Persons

PPKAS application of the SPAN CERTIFIED Third Party (Independent Agency)

By: Ir Dr Muhammad Arkam Che Munaaim



to support the application. Besides that, Prof Madya Dr Fahmi Muhammad Ridwan, Puan Mahyun Abd Wahab, En. Mohd Affendi Deraman and Dr Che Zulzikrami Azner Abidin also involve in the preparation of application to SPAN since June 2015.

The presentation material which presented by PPKAS Dean, Dr Nasrul can be downloaded at http://www.slideshare.net/arkam_slideshare/spanppkas-meeting-19 oct 2015

Some of the significance of the appointment can be listed are:

- 1) As an independent agency which will monitor and verify through the preparation of the report for Sewerage Treatment Plant technology assessment before endorsed by SPAN to be used in the Malaysian market. In other hand, the real industry requirements and problem statements can be detected at a very early stage for PPKAS staff to come out with related research and publication to solve real industrial problems.
- 2) The PPKAS Laboratory will be automatically involved in any water quality measurement and experiments required in preparation of the report. This will enhance the lab activities related to industry requirements.
- 3) The opportunities for the PPKAS staff to get involved with overall monitoring and verification process of water and wastewater activities regulated by SPAN

for industrial training especially for staff Professional Engineer training program.

- 4) An opportunity for PPKAS to get intact with wastewater industrial players for student internship programs, job opportunities for PPKAS graduates and industrial-academia linkages for disseminating the research and product exploration lead to marketability for wealth creation for PPKAS.
- 5) Create the awareness among water and wastewater industrial player, especially in Northern Malaysia where our PPKAS Laboratory is available for water testing lab, which can also involve the SPAN Qualified Persons and certified by SPAN as Third Party (Independent Agency) for the above purposes.

It is hoped that this application will be granted by SPAN and PPKAS UniMAP is looking forward to participate in the water/wastewater industry more efficient for school's illumination in the Malaysian water/wastewater industry.



By: Dr Fahmi Muhammad Ridwan

As an alumni of a Japanese University, returning to Japan is an opportunity to recalling the best memory during my master and PhD study in Hiroshima University. This opportunity has come true in the early of September 2015, when I had to accompany my son who recently enrolled as undergraduate student at the University of Tsukuba (UoT). Based on the recommendation of Prof. Norio Sugiura (Malaysia Japan International Institute of Technology), I have been given the opportunity to visit the laboratory of advanced research, UoT and met with Assoc. Prof. Motoo Utsumi and Assoc. Prof. Zhongfang Lei. Many lessons learned during the short visit to their labs that could be adopted in Malaysian University.

Nowadays, UoT is recognized as one of Super Global University in Japan that aim to enhance the globalization of the Japanese public and private universities by encouraging

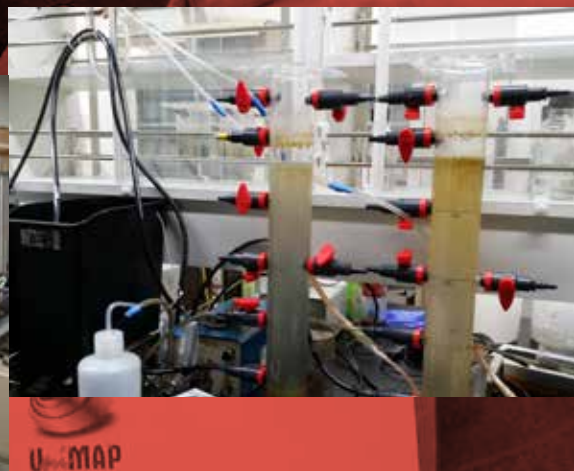
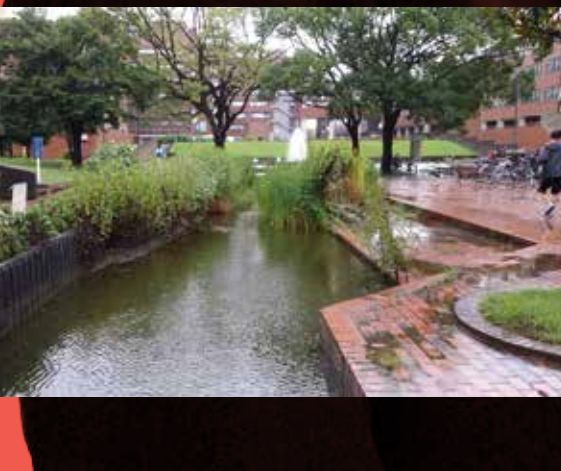
foreign students to study in English at Japanese Universities. This requires the hiring of more foreign professors, increasing foreign student attendance and boost intensive collaboration with foreign universities with UoT.

According to Assoc. Prof. Motoo Utsumi, SAKURA Exchange Programme in Science is a good initiative for initial collaboration between School of Environmental Engineering, Unimap and laboratory of advanced research, UoT. This programme will be facilitating short-term visits of competent Asian youths, including Malaysian to Japanese universities, research institutions and private companies. Specifically, he is encouraging technician from Unimap to

join this program to learn on proper lab management in his laboratory. During the short visit, Prof Utsumi also explains on new approach in lab safety operation, considering the huge damage during the earthquake and tsunami that hit eastern Japan in 2011.

In other occasion, Assoc. Prof. Zhongfang Lei has invited me to visit her research project on biological wastewater treatment. Currently, her group interested on research area of sludge minimization and sludge granulation, which closely related to undergoing research topic of some lecturers at the School of Environmental Engineering, Unimap.

Short Visit to Laboratory of Advanced Research University of Tsukuba, Japan



LIST of PUBLICATION

NO	Authors	Title	Publisher	Impact Factor
1	Nik Athirah Yusoff • Li-Ngee Ho • Soon-An Ong • Yee-Shian Wong • Wan Fadhilah Khalik	Photocatalytic activity of zinc oxide (ZnO) synthesized through different methods Photocatalytic activity of zinc oxide (ZnO) synthesized through different methods	Desalination and Water Treatment , Article in press	1.17
2	Wei-Eng Thung • Soon-An Ong • Li-Ngee Ho • Yee-Shian Wong • Fahmi Ridwan • Yoong-Ling Oon • Yoong-Sin Oon • Harvinder Kaur Lehl	A Highly Efficient Single Chambered Up-flow Membrane-less Microbial Fuel Cell for Treatment of Azo Dye Acid Orange 7-Containing Wastewater	Bioresource Technology 08/2015; 197, 284-288	4.49
3	Siee-Kung Khiew • Tjoon-Tow Teng • Yee-Shian Wong • Soon-An Ong • Norli Ismail • A.F.M. Alkarkhi •	Effects of cationization hybridized biopolymer from Bacillus subtilis on flocculating properties	Desalination and Water Treatment , Article in press	1.17
4	Ragunathan Santiago • Kamarudin Hussin • Sam Sung Ting • Azlinda Abdul Ghani • Hanafi Ismail • Amirul Faiz Hashim •	Properties of High Density Polyethylene (HDPE)/ Recycled Acrylonitrile Butadiene Rubber (NBR)/ Banana Skin Powder (BSP) Composites: Oven Ageing	Applied Mechanics and Materials 01/2015; 754-755(2015):197-200	0.15
5	Ragunathan Santiago, Mustaffa Zainal • Kamarudin Hussin • Sam Sung • Ismail Hanafi •	The effect of Polypropylene Maleic Anhydride on Polypropylene/Recycled Acrylonitrile Butadiene Rubber/Sugarcane Bagasse Composite	Journal of Vinyl and Additive Technology 07/2015	0.86
6	Nurliyana Ariffin, Ragunathan Santiago, Sam Sung Ting, Hanafi Ismail	Effects of Oven Ageing on Linear Low Density Polyethylene (LLDPE)/ Recycled Acrylonitrile Butadiene Rubber (NBR)/ Rice Husk Powder (RHP) Composites	Applied Mechanics and Materials 04/2015; 754-755(2015):205-209	0.15
7	Myzairah Hamdaz • Zaini Ujang • Mohamed Mahmoud Nasef • Norhayati Abdullah • Farrah Aini Dahalan	Removal of Ni(II), Zn(II) and Pb(II) from aqueous solutions using cation-exchange resin in fixed-bed column	Desalination and water treatment 10/2015	1.17
8	Nursabrina Mohd Hayat , Nor Aripin Shamaan , Mohd Yunus Shukor , Mohd Khalizan Sabullah , Mohd Arif Syed , Arif Khalid , Farrah Aini Dahalan , Khalilah Abdul Khalil and Siti Aqlima Ahmad	Cholinesterase-based biosensor using Lates calcarifer (Asian Seabass) brain for detection of heavy metals	Journal of Chemical and Pharmaceutical Sciences, 8(2), 377-381	
9	Mohd Khalizan Sabullah, Siti Aqlima Ahmad , Mohd Yunus Shukor , Nor Ariffin Shamaan , Ariff Khalid , Azlan Jualang Gansau , Farrah Aini Dahalan and Mohd Rosni Sulaiman	Acetylcholinesterase from Puntius javanicus for the detection of carbamates and organophosphates	Journal of Chemical and Pharmaceutical Sciences, 8(2), 348-353	
10	Siti Aqlima Ahmad • Mohd Yunus Shukor • Nor Aripin Shamaan • Nor Arina Ab Rahman • Farrah Aini Dahalan • Khalilah Abdul Khalil • Mohd Arif Syed •	Effects of Pesticides and Respiratory Inhibitors on Phenol Degradation by Acinetobacter sp. strain AQ5NOL 1 Immobilized in Gellan Gum	Journal of Pure and Applied Microbiology 03/2015; 9(Special Edition)	0.07
11	Afifah Ayob • Salina Alias • Farrah Aini Dahalan • Ragunathan Santiago • Ahmad Zuhairi Abdullah • Tjoon Tow Teng	Kinetic removal of Cr6+ by carboxymethyl cellulose-stabilized nano zerovalent iron particles	Macedonian Journal of Chemistry and Chemical Engineering 02/2015; 34(2):295-308	0.53
12	Nur Fitriah Isa, Mohd Zulham Affendi Mohd Zahid, Liyana Ahmad Sofri, Norrazman Zaiha Zainol, Muhammad Azizi Azizan, Muhammad Munsif Ahmad, Mohd Badrul Hisyam Ab Manaf, Mohd Faiz Mohammad Zaki, Mustaqqim Abdul Rahim and Zuhayr Md Ghazaly	Behaviour of axially loaded composite wall panel by using finite element analysis	Applied Mechanics and Materials Vol. 815 (2015) pp 49-53	0.15
13	Norlia Mohamad Ibrahim • Leong Qi Wen • Mustaqqim Abdul Rahim • Khairul Nizar Ismail • Roshazita Che Amat • Shamshinar Salehuddin • Nur Liza Rahim	Compressive Strength of Concrete from Lightweight Bubbles Aggregate	Applied Mechanics and Materials Vol. 815 (2015) pp	0.15
14	Ayu Wazira Azhari • Kamaruzzaman Sopian • Mohd Khairunaz Mat Desa • Saleem H. Zaidi	Optimization of silver-assisted nano-pillar etching process in Silicon	Applied Surface Science 09/2015	2.71
15	A H Ibrahim • M R Taha • A W Azhari •	Removal of COD from palm oil mill effluent (POME) via advanced Fenton process: Optimization study	Advances in Environmental Biology 09/2015; 9(15):1-10	
16	Roslaili Abdul Aziz • Sahibin Abd Rahim • Ismail Sahid • Wan Mohd Razi Idris	Speciation and Availability of Heavy Metals On Serpentinized Paddy Soil and Paddy Tissue	Procedia - Social and Behavioral Sciences 07/2015; 195:1658-1665	

17	Shamshinar Salehuddin • Nur Liza Rahim • Norlia Mohamad Ibrahim • Siti Aza Nurdiana Tajri • Mohd Zuhaidi Zainol Abidin	The Behaviour of Rubber Tyre as Fine Aggregate in Concrete Mix	Applied Mechanics and Materials 04/2015, 754-755:427-431	0.15
18	Nabilah Aminah Lutpi, Jamaliah Md Jahim, Tabassum Mumtaz, Shuhaida Harun, Peer Mohamed Abdul	Batch and continuous thermophilic hydrogen fermentation of sucrose using anaerobic sludge from palm oil mill effluent via immobilisation technique	Process Biochemistry, In Press, Accepted Manuscript, Available online 2 December 2015 http://dx.doi.org/10.1016/j.procbio.2015.11.031	2.52
19	Salsuwanda Selamat, Akio Miyara, Keishi Kariya	Analysis of short time period of operation of horizontal ground heat exchangers	Resources 2015;4:507–23. doi:10.3390/resources4030507	
20	Salsuwanda Selamat, Akio Miyara, Keishi Kariya	Considerations for horizontal ground heat exchanger loops operation	Transactions of the Japan Society of Refrigerating and Air Conditioning Engineers 2015; 32(2). doi:10.11322/tjsrae.15-18RE_OA.	
21	Sara Y. Y •Tiek A. Tan • M. A. Umi Fazara	Electrochemical Reduction of Carbon Dioxide into Formate	Journal of Engineering Science and Technology Special Issue on SOMCHE 2014 & RSCE 2014 Conference, January (2015) 23 - 29	0.24
22	U.Kassim, C.S. Abdullah, Z.M. Udin	Attraction Factors in Choosing Industrialised Building System (IBS) Method over Conventional Building System	International Journal of Sciences: Basic and Applied Research (IJSBAR) ISSN 2307-4531).	
23	U.Kassim, Z.M. Udin, C.S. Abdullah	Preliminary Study To Identify Challenges And Limitations Factors Of Supply Chain Flexibility In Industrialised Building System (IBS)	ARN Journal of Engineering and Applied Sciences (ISSN 1819-6608)	
24	Tengku Nuraiti Tengku Izhar • Chan Choon Jiat • Nabilah Aminah Lutpi	A Study of Fire Retardant Effect in Natural Fiber Composite Panels with Magnesium Hydroxide and Zinc Borate as Additives	Applied Mechanics and Materials 11/2015; 815.	0.15
25	Muhammad Arkam C. Munaim, Karam M. Al-Obaidi, Mohd Rodzi Ismail, Abdul Malek Abdul Rahman	The Behavior of Internal Humidity from Fibre Optic Daylighting Application	Jurnal Teknologi (Sciences & Engineering) 75:9 (2015) 1-7, www.jurnalteknologi.utm.my eISSN 2180-3722, Penerbit UTM Press. http://www.jurnalteknologi.utm.my/index.php/jurnalteknologi/article/view/5212	Scopus
26	Ain Nihla Kamarudzaman, Tay Chia Chay, Amnorzahira Amir, and Suhaimi Abdul Talib	Mn(II) Ions Biosorption from Aqueous Solution using Pleurotus Spent Mushroom Compost under Batch Experiment	Applied Mechanics and Materials 01/2015, 773-774:1101-1105	0.15
27	Ain Nihla Kamarudzaman, Tay Chia Chay, Amnorzahira Amir, and Suhaimi Abdul Talib	Biosorption of Mn(II) ions from Aqueous Solution by Pleurotus Spent Mushroom Compost in a Fixed-Bed Column	Procedia - Social and Behavioral Sciences 07/2015; 195: 2709 – 2716	
28	Baharuddin, N.H., Nik Sulaiman, N.M., & Aroua, M.K. (2014).	Removal of Zinc and Lead Ions by Polymer Enhanced Ultrafiltration Using Unmodified Starch as Novel Binding Polymer	International Journal of Environmental Science and Technology, Volume 12, Issue 6, 1 June 2015, Pages 1825-1834	
29	Zakarya, I.A., Khalib, S.N.B., Tengku Izhar, T.N and Yusuf, S.Y.	Composting of Food Waste using Indigenous Microorganisms (IMO) as Organic Additive	International Journal of Engineering Research & Technology (2015), 4(8), 181-186.	1.76
30	Ayu Wazira Azhari, Kamaruzzaman Sopian, Saleem Hussain Zaidi	Heteroepitaxial Growth Of Vacuum-Evaporated Si-Ge Films On Nanostructured Silicon Substrates	Malaysian Journal of Analytical Sciences Vol 19 No 6 2015	0.035
31	Muhamd Afiq Hizami Abdullah, Mohd Zulham Affandi Mohd Zahiud, Badorul Hisham Au Bakar, Fadzli Mohamed Nazri, Afizah Ayob	UHRFRC as a repair material for fire damaged RC concrete structure - A review	Applied Mechanics and Materials, 802,(2015), 283-289, Trans Tech Pub.	
32	Nur Hidayah, A., Umi Fazara, M.A., Nor Fauziah, Z., Aroua, M.K.	Preparation and characterization of activated carbon from the sea mango (Cerbera Odollam) with impregnation in phosphoric acid (H ₃ PO ₄)	ASEAN Journal of Chemical Engineering Vol 15 (1), pp. 22-30	Scopus
33	Norazian Mohamed Noor, Ahmad Shukri Yahaya, Nor Azam Ramli, Florin Alexandru Luca, Mohd Mustafa Al Bakri Abdullah, Andrei Victor Sandu	Variation of Air Pollutant (Particulate Matter - PM ₁₀) in Peninsular Malaysia Study in the southwest coast of peninsular Malaysia	Revista de Chimie 66 (9), pp. 1443-1447	0.81
34	Shahabaldin Rezanian, Mohd Fadhl Md Din, Shazwin Mat Taib, Farrah Aini Dahalan, Ahmad Rahman Songip, Lakhweer Singh & Hesam Kamyab	The Efficient Role of Aquatic Plant (Water Hyacinth) in Treating Domestic Wastewater in Continuous System	International Journal of Phytoremediation, in press (2015)	1.739



BENGKEL PERANCANGAN STRATEGIK PPKAS 2016

Oleh: Norren Shariza Mohamed Mokhtar

Pada 3 Disember 2015 bertempat di TH Hotel, Alor Setar telah berlangsung Bengkel Perancangan Strategik Pusat Pengajian Kejuruteraan Alam Sekitar. Semua staf PPKAS menghadiri bengkel ini dan dikira sebagai 1 hari berkursus. Bengkel dimulakan dengan bacaan doa dan tazkirah ringkas oleh Dr. Hj. Umar Kassim. Majlis diteruskan oleh Dr. Abdul Haqi Ibrahim selaku Timbalan Dekan Akademik PPKAS merangkap pengacara majlis bagi bengkel. Ucapan alu-aluan dari Dekan PPKAS, Dr. Nasrul Hamidin dan seterusnya memulakan bengkel.



Dr. Nasrul terlebih dahulu membentangkan Perancangan Strategik peringkat UniMAP yang akan menjadi dasar kepada perancangan di peringkat PTJ, PPK, Institut dan Unit di UniMAP. Semua staf seterusnya dibahagikan mengikut Jawatan kuasa yang telah dibentuk. Antaranya ialah:-

1. Jawatan kuasa Kualiti dan Hubungan Luar
– Dr. Norazian (K)
2. Jawatan kuasa Ijazah Tinggi
– Dr. Naimah (K)
3. Jawatan kuasa Keselamatan dan Kesihatan
– Pn. Faridah (K)
4. Jawatan kuasa SAMM
– Dr. Nasrul Hamidin (K)
5. Jawatan kuasa Penerbitan
– Dr. Farrah Aini (K)
6. Jawatan kuasa Akreditasi
– Dr. Sara Yasina (K)
7. Jawatan kuasa Pembelajaran Sepanjang Hayat
– PM. Dr. Khairul Nizar Ismail (K)
8. Jawatan kuasa Aset dan Fasiliti
– Ir Roshasmawi (K)



Bengkel berakhir pada jam 4.00 petang dan semua staf bergambar bersama dengan Dekan dan barisan Exco sebagai kenangan.



Majlis Ramadhan Berbuka Puasa 1436H

PPK ALAM SEKITAR

Oleh: Dr Che Zulzikrami Azner Abidin

Bersempena bulan Ramadhan al-mubarak, Kelab Kakitangan PPK Alam Sekitar telah menganjurkan majlis berbuka puasa bertempat di Hotel Putra Brasmana, Kuala Perlis pada hari Selasa 30 Jun 2015 bersamaan 13 Ramadhan 1436H. Di majlis ini, Dr. Nasrul Hamidin, Dekan PPK Alam Sekitar telah sudi menyampaikan ucapan dan amanat beliau kepada para hadirin yang hadir. Majlis yang bermula pada jam 6.30 petang ini turut dimeriahkan lagi

dengan kehadiran ahli keluarga kakitangan. Program tahunan ini bertujuan untuk mengeratkan lagi hubungan silaturrahim di kalangan warga PPK Alam Sekitar dan juga ahli keluarga. Majlis berbuka puasa pula bermula dengan jamuan kurma dan solat Maghrib berjemaah dan kembali ke Dewan Brasmana untuk jamuan berbuka puasa. Alhamdulillah, majlis yang dirancang ini telah berjaya mendapat sambutan dan berakhir dengan keadaan yang cukup meriah.



PPK Alam Sekitar.

Majlis Sambutan Hari Raya Aidilfitri



Oleh: Nazerry Rosmady Rahmat

Kemeriahan Syawal 1436 Hijrah berakhir dengan meriah di PPK Alam Sekitar dengan Majlis Sambutan Hari Raya Aidilfitri pada 5 Ogos yang lalu. Majlis tersebut dihadiri oleh seluruh warga PPK Alam sekitar yang sama-sama menyediakan pelbagai juadah untuk dinikmati bersama. Walaupun ia diadakan

secara sederhana dan ringkas tetapi suasananya tetap meriah dengan pelbagai juadah istimewa. Juadah yang paling istimewa ialah hidangan kambing golek.

Majlis yang diadakan ini juga dapat menyatupadukan seluruh warga PPK Alam Sekitar seterusnya menjalinkan ukhuwah dan silaturrahim sesama staf seiring dengan matlamat aidilfitri yang kita raikan saban tahun. Majlis seumpama ini akan terus menjadi tradisi warga PPK Alam Sekitar bagi memastikan semangat ukhuwah sesama warga dapat dikekalkan.



NAMA STAF DAN PASANGAN :
AHMAD NAZRIN BIN HJ HASHIM & NORSAMILA BINTI MAHMUD

TARIKH KAHWIN : 15 OKTOBER 2015

CATATAN / CORETAN :
SEMOGA PERKAHWINAN INI AKAN
KEKAL SELAMANYA...AMIN



1 *ecah....*

Nama bayi:
Medina Aisyaa Sophia
Nama Ibu:
Ayu Wazira Azhari
Nama Bapa:
Abdul Haqi Ibrahim
Tarikh lahir: 20 Ogos 2015
Coretan: Hi! Call me
Ecah..



2 *syakir....*

Nama bayi:
Che Ku Syakir Bin Che Ku
Nama Ibu:
Kairulazam
Nama Bapa:
Nabilah Aminah Lutpi
Tarikh lahir: 21 Ogos 2015
Coretan: Ya Allah, jadikanlah ia
anak yang sihat sempurna, berakal
cerdas, dan berilmu lagi beramal.



3 *unais....*

Nama bayi:
Muhamad Unais
Nama Ibu:
Rene Riza Abdul Rahim
Nama Bapa:
Munif Bahatin
Tarikh lahir:
13 hb Oktober 2015
Coretan: Hai semuaa

CONGRATS....

KENAIKAN PANGKAT

PENSYARAH KANAN

Dr Najihah Abdul Rashid - 20 Ogos 2015
Dr Abdul Haqi Ibrahim - 18 November 2015
Dr Umar Kassim - 18 November 2015

PLV gred 44

Ir. Rohasmawi Abdul Wahab - 01 Julai 2015

STAFF BARU LAPOR DIRI

Ilya Joohari - 27 Julai 2015
Salwa Mohd Zaini Makhtar - 7 Disember 2015
Dr Najihah Abdul Rashid - 26 Ogos 2015



1. Dr Wong Yee Shian - PhD (USM)
2. Dr Najihah Abdul Rashid - PhD (Environmental Engineering) (UniMAP)
3. Dr Haji Umar - PhD (UUM)
4. Ilya Joohari - M. Eng. (Civil - Structure) (UTM)



personaliti pilihan
DR. WAN MOHD SABKI WAN OMAR

UMUR:
39 tahun

JAWATAN:
Pensyarah Kanan / Ketua Teknikal
Makmal PPK Alam Sekitar

ISTERI:
Cik Fazilah Hibadullah (Pensyarah UUM)

ANAK:
Wan Nur Fariah (11 thn), Wan Afiq
Syazwan (9 thn), Wan Nur Syahirah (8 thn),
dan Wan Ammar Rifqi (5 thn)

HOBİ:
Membaca, Bertukang kayu, Membuat
perabot

Dr. Wan Mohd Sabki Wan Omar dilahirkan di Kota Kinabalu, Sabah dan dibesarkan oleh kedua ibu bapanya yang berasal dari Kota Bahru, Kelantan. Kedua ibu bapa beliau bekerja sebagai peniaga di Pasar Siti Khadijah. Beliau merupakan anak ketiga daripada tujuh adik beradik dan telah dibesarkan di dalam keluarga yang sederhana.

Pendidikan awal beliau bermula di Sekolah Sultan Ismail Petra, Telipot, Kelantan dan seterusnya peringkat menengah di Sekolah Menengah Agama Arab Ma'ahad Muhammadi Lelaki, Pengkalan Chepa dan Sekolah Menengah Agama Arab Ar-Rahmah Kenali, Kubang Kerian, Kelantan. Sentiasa mendapat tempat pertama dan kedua di dalam kelas, beliau bercita-cita untuk menjadi seorang jurutera dan seterusnya melanjutkan pengajian di Universiti Teknologi Malaysia. Berbeza dengan akan-rakan yang lain yang melanjutkan pelajaran di Timur Tengah, Madinah dan sebagainya.

Pendidikan dan pengalaman di aliran sekolah agama dan arab serta tidak mempunyai asas sains yang kukuh tidak melunturkan semangat beliau untuk mengejar cita-cita sebagai seorang jurutera. Bila memasuki tingkatan empat dan lima, kecenderungan beliau lebih kepada subjek Sains dan Matematik. Kecemerlangannya dalam semua subjek Matematik dan Sains, selain mendapat 15 Agregat dalam peperiksaan Sijil Pelajaran Malaysia (SPM) membolehkan beliau melanjutkan pengajian ke Universiti Teknologi Malaysia (UTM), Skudai, Johor di bawah pembiayaan Jabatan Perkhidmatan Awam (JPA) dan akhirnya mendapat Ijazah Sarjana Muda Kejuruteraan Awam dengan cemerlang dan menerima anugerah dekan sempena Majlis Konvokesyen UTM. Oleh kerana kecemerlangan beliau di UTM, beliau telah ditawarkan untuk melanjutkan pengajian sarjana di Asian Institute of Technology, Bangkok, Thailand yang cukup terkenal di dalam menawarkan bidang kejuruteraan di Asia. Beliau telah ditawarkan biasiswa kerajaan Jerman, Deutscher Akademischer Austauschdienst (DAAD) sepanjang pengajian di sana dan akhirnya mendapat Sarjana Kejuruteraan Awam.

Kerjaya sebagai pensyarah bermula selepas mendapat tawaran di Universiti Utara Malaysia (UUM), Sintok, Kedah. Beliau telah ditempatkan di Fakulti Pengurusan Teknologi, dengan mengajar beberapa subjek kejuruteraan. Walaupun bercita-cita menjadi jurutera, namun pengalaman menjadi seorang pensyarah telah mengajar beliau untuk menjadi tenaga pendidik yang dapat melahirkan mahasiswa yang berkualiti dan memberi sumbangan kepada negara. Setelah berkhidmat selama tujuh tahun di UUM, beliau telah berpindah ke UniMAP di bawah Pusat Pengajian Kejuruteraan Alam Sekitar (PPKAS). Di sana, beliau membantu pusat pengajian memantapkan struktur kurikulum program dan membuat penambahbaikan supaya program yang ditawarkan adalah berkualiti dan memenuhi kehendak pasaran industri. Sebagai salah seorang perintis kepada program Kejuruteraan Bangunan sehinggalah dilantik sebagai Pengerusi Rancangan dan akhirnya sebagai pensyarah kanan. Antara usaha yang telah dilaksanakan ialah mendirikan makmal kejuruteraan bangunan yang merangkumi makmal struktur berat, makmal struktur ringan, makmal konkrit, makmal geoteknik, dan makmal perkhidmatan bangunan.

Pendidikan beliau tidak terhenti di sini sahaja, beliau telah meneruskan pengajian di peringkat PhD di dalam bidang kejuruteraan awam di Universiti Griffith, Queensland Australia dan kembali ke tanah air untuk meneruskan khidmat sebagai pensyarah kanan di PPKAS. Setiap individu mempunyai pengalaman yang unik masing-masing. Pengalaman bersama isteri tercinta, yang turut menyambung pengajian di peringkat PhD, dan empat orang anak yang sedang membesar memberi dorongan yang kuat kepada beliau untuk berjaya dalam pengajian PhD.

Ibarat sirih pulang ke gagang, Dr. Wan kini kembali ke PPKAS bagi membantu pusat pengajian. Tumpuannya kini ialah mendidik anak bangsa dan melahirkan lebih ramai golongan jurutera professional selain melebar laluan mereka mencapai kehidupan cemerlang dan terjamin.





Students of Universiti Tun Hussein Onn Malaysia (UTHM) in

MOBILITY PROGRAM

at Universiti Malaysia Perlis (UniMAP)



By: Dr Afizah Ayob

Pursuant to enhance the academic reputation internationally and locally, Universiti Malaysia Perlis (UniMAP) and Universiti Tun Hussein Onn Malaysia (UTHM) have collaborated in establishing and strengthening the student mobility program between the two universities. As a beginner, there are 7 students from Year 3 program of Civil Engineering, Faculty of Civil and Environmental Engineering (FKAAS, UTHM) were enrolled in UniMAP and will continue their studies for one semester (September 2015 to January 2016) in the Civil Engineering program at the School of Environmental Engineering (PPKAS, UniMAP). Previously, UniMAP sent two students to undergo mobility program (outbound) in the Semester 3 that has lasted for 8 weeks (5th July – 29th August 2015) in FKAAS. Implementation of this program will not only involve the transfer of credits to be earned by the students but the program can provide opportunities for students to expand their experience in the learning process, learn the culture and values of the institution and establish a communications network among students and the lecturer.



PENGAMBILAN PELAJAR BARU SEMESTER PERTAMA SIDANG AKADEMIK 2015/2016 UniMAP

Oleh:
Norren Shariza Mohamed Mokhtar

Pada 1 September 2015 (Rabu) bertempat di Kompleks Dewan Kuliah, UniMAP Pauh Putra menjadi lokasi bagi pengurusan pengambilan pelajar baru Semester Pertama Sidang Akademik 2015/2016. Seawal jam 8.30 pagi urusan pendaftaran diri pelajar telah bermula. Bagi semester ini sejumlah 2549 orang pelajar telah mendaftar untuk menyambung pelajaran di peringkat Ijazah dalam bidang kejuruteraan, keusahawanan kejuruteraan, komunikasi media baharu serta teknologi kejuruteraan.

Pusat Pengajian Kejuruteraan Alam Sekitar menerima secara keseluruhannya kemasukan seramai 56 orang pelajar bagi mengikuti program Kejuruteraan Awam dan 66 orang pelajar program Kejuruteraan Alam Sekitar.

IECC

2015

INTERNATIONAL ECOLOGY CONSERVATION CONCEPT CAMP

DATE: 15-18 OCTOBER 2015
PLACE: WALAILAK UNIVERSITY, THAILAND

By: Azlinda Abdul Ghani

International Ecology Conservation Camp (IECC) was held on 15th to 18th October 2015 at Walailak University. 34 representatives of 4th year students and staffs from school of Environmental Engineering, UniMAP and 45 representatives of 1st, 2nd and 3rd year students and staffs from School of Engineering Resource, Walailak University participated in this camp. Natural Resources and Environmental Technology (NRET) Program, School of Engineering and Resources (SER), Walailak University in cooperation with School of Environmental Engineering, University Malaysia Perlis (UniMAP) conducted the 1st International Ecology and Conservation Concept Camp, IECCC 2015. The objectives of this camp is to study the local ecosystems, natural resources and environment in Nakhon Si Thammarat (NST) province, and also to learn concepts of sustainable development with local participation process among the students from both universities.

Various activities in the camp included field observation on coastal rehabilitation using bamboo fence, mangrove plantation at Naithung (Naithung village), solid waste management & recycle project at Ban Thasung primary school, Tha sala district. Visit to living weir at Ban Kampangsao and Tourism village at Ban Kiriwong, Lan saka district NST with students in each group presenting their conservation projects on issues related to their natural resources and environment. Indirectly, this will help the students to improve their communication skill informally with the local communities and formally during the presentation session.





Throughout the activities from the camp, students have been exposed to local art, culture and community way of life, for instance, visit to Masjid at Ban Thasung-bon, Haadsai kaew ancient beads museum and Banlaem homestay and fishing village at Tha sala district. Apart from that, there were recreation and sport activities to strengthen good relationships between students and staffs of both sides including sports, games and performances. Apart from gaining conservation, restoration and sustainable concepts to solve local challenges and issues on their natural resources and environments with local participation, students have learnt different language and culture from each other, building up good relationships and, more importantly, raising awareness in how important to improve their English proficiency in order to be ready for their future career.



Therefore, this program should be continued in the future either with Walailak University or other university. By joining this kind of camp it will give good impacts to the students in terms of inter-cultural communication and widen their perspectives towards communities from other country as well.



Istiadat KONVOKESYEN UNIVERSITI MALAYSIA 19 - 21 SEPTEMBER

The 10th Universiti Malaysia

By : Dr Noor Ainee Zainol

His Royal Highness the Raja Muda (Crown Prince) of Perlis, Tuanku Syed Faizuddin Putra Jamalullail consent to attend the 10th Convocation Ceremony of Universiti Malaysia Perlis (UniMAP). The Raja Muda who is the Chancellor of UniMAP was accompanied by Her Royal Highness the Raja Puan Muda (Crown Princess) of Perlis, Tuanku Lailatul Shahreen Akashah Khalil, who is also the Pro-Chancellor of UniMAP. Also present at the ceremony was the Vice-Chancellor of UniMAP, Brig. Jen. Datuk Prof. Emeritus Dr Kamarudin Hussin. The convocation ceremony held on 19th to 21st September 2015 at Dewan Ilmu, Kampus Induk UniMAP, Pauk Putra.

This year session, the School of Environmental Engineering witnessed a total of 135 graduates. It is consist of 69 Bachelor of Engineering (Honours) (Environmental Engineering) and 66 Bachelor of Engineering (Honours) (Civil Engineering). We would like to take this opportunity to congratulate all graduates who have successfully graduated at this year convocation. We wish you a successful journey of life.



at
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SOARING
UPWARDS



aysia Perlis Convocation



PENERIMA ANUGERAH ISTIADAT KONVOKESYEN KE 10 UniMAP 2015

ANUGERAH PINGAT EMAS NAIB CANSOLOR
NURAIN FARHANAH BINTI KAMARUL BAHAREIN
PPK ALAM SEKITAR
Sarjana Muda Kejuruteraan (Kepujian) (Kej. Alam Sekitar)

HADIAH PELAJARAN INDUSTRI
TAN SZE YEN - PPK ALAM SEKITAR
Sarjana Muda Kejuruteraan (Kepujian) (Kej. Alam Sekitar)

LEE PUI CHIN - PPK ALAM SEKITAR
Sarjana Muda Kejuruteraan (Kepujian) (Kej. Awam)

HADIAH INOVASI
PAN YU YUEN - PPK ALAM SEKITAR
Sarjana Muda Kejuruteraan (Kepujian) (Kej. Alam Sekitar)

Eid Gathering

by
Postgraduate Students
PPKAS

By: Dr Naimah Ibrahim

This year, PPKAS postgraduate students made an effort to organize a gathering to celebrate Eid on 7th of August 2015. The gathering took place in DKD1.

