



DIARI JKAP
2017

Jabatan Kejuruteraan Air dan Persekitaran

Diari JKAP

2017

Edisi Oktober – Disember Bil. 4/2017 fkaas.jkap@uthm.edu.my
Fakulti Kejuruteraan Awam dan Alam Sekitar

Pengajaran dan Pembelajaran

Penulis: Dr Sabariah Musa

Bagi melancarkan perjalanan Pengajaran dan Pembelajaran, kaedah FOC turut dilaksanakan bg semester 1 sesi 2017/2018 ini. Pensyarah dan kursus terlibat bagi jabatan ini iaitu:

1. Hidrologi – Dr Sabariah Musa, Dr Mohd Faizal Tajul Baharuddin, Noor Aliza Ahmad dan Zarina Md Ali.
2. Pemuliharaan Alam Sekitar – Dr Roslinda Seswoya, Dr Azra Munirah Mat Daud.
3. Kejuruteraan Alam Sekitar – Dr Roslinda Seswoya dan Prof Ab Aziz Abdul Latiff.
4. Perisian Kej. Awam (HECRAS) – Zarina Md Ali, Dr Sabariah Musa, Dr Mohd Salleh Hj Abustan, Dr Mohd Azlan Mohd Yusoff.
5. Matematik Kej. Awam 3 - Dr Mohd Ariff Ahmad Nazri

Sidang Redaksi

Penaung

PM Dr Abd Halid Abdullah

Pengerusi

PM Dr Mohd Adib Mohammad Razi

Ketua Editor

Dr Sabariah Musa

Editor Kanan


Dr Mohd Ariff Ahmad Nazri

Alamat surat menyurat

Jabatan Kejuruteraan Air dan Persekitaran
Fakulti Kejuruteraan Awam dan Alam Sekitar
Universiti Tun Hussein Onn Malaysia
86400 Parit Raja, Batu Pahat
Johor, MALAYSIA

Emel

fkaas.jkap@uthm.edu.my




Full Online Classroom

<div style="background-color: #0056b3; color: white; padding: 5px; display: inline-block;">#1</div> <p>5 NOV – 2 DEC 2017</p>	<div style="background-color: #0056b3; color: white; padding: 5px; display: inline-block;">#2</div> <p>SEM 1 – 2017/2018</p>
<div style="background-color: #0056b3; color: white; padding: 5px; display: inline-block;">#3</div> <p>MINIMUM 2 WEEKS <small>Week and topic selection to be decided by lecturers</small></p>	<div style="background-color: #0056b3; color: white; padding: 5px; display: inline-block;">#4</div> <p>WEEK 8-11</p>

The FOC module can also comprise of:

1. Notes of topic
2. Video or animation
3. Task or assignment - marked by lecturer
4. Online task
5. Online channel - MOOC, edmodo, schoology, etc.
6. FOC info - register to BLC FKAAS.



Blended Learning Committee FKAAS

Kata Hikmah

"Anda tidak boleh mencipta pengalaman. Anda mesti menghadapinya"
-Albert Camus-



DIARI JKAP

Jalinan Kepakaran

Penulis: PM Dr Radin Maya Saphira Radin Mohamed

Visiting Professor, Saga University, Japan

3 November 2017 - Our principal researcher, Prof. Ir. Dr. Amir Hashim Mohd Kassim has been invited as a visiting professor at the School of Science and Engineering, Department of Civil Engineering and Architecture, Saga University, Japan on 24 October to 3 November 2017.

A lot of knowledge, research potential, future collaborations and culture exchanges have been shared and discussed during the program. Prof. Ir. Dr. Amir Hashim Mohd Kassim has also given a public lecture entitled Study and Development of the National Water Balance Management System (NAWABS). He was also given the opportunity to visit the catchment area, wastewater treatment facility and landfill in Saga Prefecture.



Research Discussion JKAP - JPS

7 November 2017 - A discussion on research and collaboration was held between Department of Drainage and Irrigation (DID/JPS) and FKAAS. The discussion was attended by Prof. Ir. Dr. Amir Hashim Mohd Kassim, Dr. Mohd Azlan Mohd Yusof and Dr. Nor Azizi Yusof from FKAAS and Mr. Asnawi, an engineer from DID, Batu Pahat. The meeting was aimed at discussing the university-government agency roles to strategize the improvement of irrigation and drainage performance especially in Batu Pahat.



Perkongasian Kepakaran

Penulis: MPRC

COLLOQUIUM IS SUSTAINABILITY IN EMERGING TECHNOLOGIES

7 November 2017 - Head of MPRC was invited as a speaker in the Nigerian International Student's Forum (NISFU). The theme of the colloquium is Sustainability in Emerging Technologies: A Multi-Disciplinary Perspective held at the Al-Jazari Auditorium, Tunku Tun Aminah Library on 7 November 2017. The aim of this colloquium is to explore sustainability from a multi-disciplinary perspective and give broad ideas about students to build resilient community.



Penulis: MPRC

YEAR END MEETING MPRC

28 December 2017 - This is the last MPRC meeting in 2017 and reviewing the activities for a better 2018. The meeting was held in conjunction with MPRC's end of the year gathering event. MPRC would like to thank all members for their contributions



Lawatan Industri

Penulis: Dr Hartini Kasmin

8 November 2017 - Water Resources Engineering (BFW 40103) Class trip to IADA (Integrated Agriculture Development Area), Barat Laut Selangor.

Agriculture and Irrigation Development is one of the topic from Water Resources Engineering course. IADA (Integrated Agricultural Development Area) is one of the department under the Ministry of Agriculture & Agro-based Industry Malaysia. Basically, the idea of integrated agricultural development approach emphasizes the integration of all efforts and activities between various Departments and Agencies under the Ministry of Agriculture and Agro-based Industries Malaysia such as Department of Agriculture (DoA) and Department of Irrigation and Drainage (DID) especially focusing on paddy development such as to increase the farmer income, the quality and quantity of rice yields. This integrated approach is needed in the provision of agricultural infrastructure and related support services.



During our visits, IADA was hosted by the Technical Manager/Civil Engineer, Mr. Muhamad Halim Al-Hafiz bin Ramli (previously work at DID) and the Corporate Manager/Agriculture Officer, Mr. Borhan bin Abdullah (previously worked at DoA). It was a very fruitful discussion between the host and the students. Many issues on infrastructure of drainage and irrigation, farmer or local village attitudes, on-site problems, water supply problems were discussed.



Lawatan Industri

Penulis: Mohd Baharuddin Ridzuan

15 Disember 2017 – Lawatan pelajar bagi sebjek Rekabentuk Bekalan Air ke *Sungai Terip Water Treatment Plant (SAINS)* telah diketuai oleh Pensyarah kursus iaitu En. Mohd Baharuddin Ridzuan. Tujuan lawatan ini adalah untuk memperkenalkan sistem rawatan bekalan air secara fizikal dalam usaha memperkukuhkan pemahaman pelajar terhadap sebjek rekabentuk bekalan air. Lawatan ini telah melibatkan pelajar seramai 35 orang.



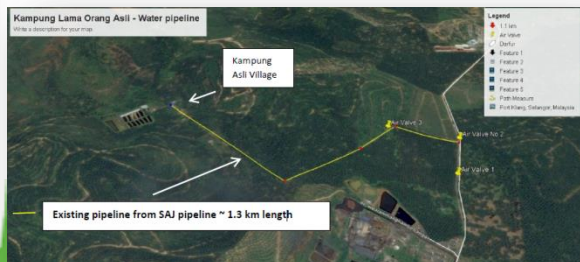
Khidmat Kepakaran

Penulis: Dr Mohd Faizal Tajul Baharuddin

29 November 2017 - Site visit has been done at Kg Lama Orang Asli located at Kangkar Senangar, Parit Sulong to check the water flow at that area. The problem that being detected was the water flow does not reach to Kg Lama Orang Asli which has about 10 houses at that area. Before reaching to Kg Lama Orang Asli, there were about 3 exposed air valves can be seen.



From that exposed air valves, some test being made to check the water flow by using Flowmeter and Sounding Stick. This is the first exposed that can be seen after the palm oil factory. Followed by the next exposed which can be seen at T junction before going to Kg Lama Orang Asli. Exposed that located at T junction do not have any flowing water inside those exposed. This can be check by using Sounding stick which no water flow can be heard compared to the first exposed that being checked. The first exposed have water flow but the flow was not strong. This is the last exposed that can be seen before arriving to Kg Lama Orang Asli. And as expected, there were no water flow inside those exposed after doing some test by using Flowmeter and Sounding Stick.



Kapsul MPRC

Penulis: MPRC

Perkongsian ilmu dan kepakaran dari staf dan pelajar pasca siswazah berjalan lancar melalui KSS (Knowledge Sharing Session) MPRC dan JKAP setiap 2 minggu sekali seperti yang dijadualkan.

5 Oktober 2017 – KSS 13/2017, perkongsian ilmu yang disampaikan oleh Dr Adel Ali Saeed yang merupakan staf akademik baharu di Jabatan ini. Perkongsian pengalamannya dikongsi bersama di Bilik Taklimat, FKAAS jam 2.00 – 3.00 petang.

2 November 2017 – KSS 14/2017, perkongsian oleh pelajar Mohd Khairil Anbia Chi Adam bertajuk *Supervisor: Forging a Relationship* dikongsi secara pengalaman bersama pelajar lain semasa PhD beliau bertempat di Bilik Taklimat, FKAAS jam 2.00 – 3.00 petang.

23 November 2017 – KSS 15/2017, perkongsian oleh En Mohd Baharuddin Ridzuan bertajuk *Toward IR 4.0* dikongsi bersama pelajar dan staf bertempat di Bilik Taklimat, FKAAS jam 2.00 – 3.00 petang.



Kursus MPRC

Penulis : MPRC

11 September 2017 - Kursus pendek *Make your Research Presentable using Basic of Origin Pro* yang dianjurkan oleh MPRC (JKAP) dengan siri ke 2 telah mendapat sambutan dengan tambahan siri ini. Perkongsian ilmu dan kemahiran ini dikongsi bersama oleh pelajar PhD (Mr. Paran Gani) dikhususkan untuk pelajar-pelajar UTHM bagi memantapkan lagi penyelidikan mereka.

22 Oktober 2017 – Seminar *Young Researchers for Water and Environmental Engineering Symposium* (YRWEES 2017) merupakan simposium pertama MPRC berlangsung di Universiti Tun Hussein Onn Malaysia. Peneraju utama PM Dr Radin Maya Saphira Radin Mohamed dan Jawatankuasa YRWEES 2017. Penyertaan kertas kerja akan diterbitkan di dalam IJIE dengan dengan penerbitan berindek *scopus*.

UTHM
Make Your Research Presentable
Basic for Modelling of Experimental Adsorption Isotherm

Online Registration
http://bit.ly/register_modelling

Save the Date
10 October 2017 | 9.00 am - 12.00 pm |
Tutorial 3 Room, FKAAS

Dr Mohd Arif Rosli

#Hands-on and bring your laptop
#Including three(3) models:
(1) Langmuir Model
(2) Freundlich Model
(3) Brunauer, Emmett, and Teller (BET) Model
#must have Microsoft Excel

Organized by:
Micropollutant Research Centre (MPRC)
Faculty of Civil and Environmental Engineering
Universiti Tun Hussein Onn Malaysia
tprc@uthm@gmail.com

CALL FOR PAPER
YRWEES 2017
YOUNG RESEARCHERS FOR WATER AND ENVIRONMENTAL ENGINEERING
2017 SYMPOSIUM

21 OCTOBER 2017
FACULTY OF CIVIL AND ENVIRONMENTAL ENGINEERING
MPRC
Micropollutant Research Centre
Faculty of Civil and Environmental Engineering

YRWEES Objective
This symposium aims to provide a good platform and offer great opportunities for postgraduate students and researchers from UTHM and also from local universities to participate, present, attend and share their experiences and create networking in the field of water and environmental engineering.

One topical fundam. symposium:
(1) Short courses on:
(i) HOW TO WRITE A RESEARCH PAPER AND GET IT PUBLISHED by Dr. Adel AlQudus
(ii) LATEX WRITING FORMAT & GETTING STARTED WITH MENDUCELY by Mr. Ahmad Rizal Alias (PhD student)
(2) Oral presentation

Water Research
Water Supply
Water Resource Management
Urban Hydrologic and Hydraulic Processes
Urban Stormwater Management
Stormwater Source Control and Best Management Practice
Flood and Precipitation Estimation
Flood Modelling and Forecasting
Wastewater Treatment

Environmental Engineering
Sustainable Management of Environment; Wastewater, Solid and Hazardous Waste
Water and Wastewater Treatment Technologies and Remediation Technologies
Air Pollution Mitigation, Monitor, Control Technologies
E-Waste Management & Carbon Credits
Sustainable and Green Technologies
Life Cycle Assessment, Risk Assessment, Risk and Safety Impact Assessment

Important Dates
Last day to submit full paper – 14 September 2017
Notification of accepted papers – 28 September 2017
Last day to submit corrected paper – 10 October 2017
Payment deadline – 15 October 2017

RM 100/paper
Prizes will be awarded for the Best Paper and Best Presenter

Accepted and presented papers of YRWEES 2017 will be published in the International Journal of Integrated Engineering (IJIE), 2229-0200, which is indexed by 'Directory of Open Access Journals (DOAJ)' and Malakian Citation Index (MCI).

UTHM
ONE DAY: Hands-on Training Workshop
APPLYING QUANTITATIVE RESEARCH TECHNIQUES USING SPSS SOFTWARE

IBM SPSS

12th December 2017
Last Date of Registration is 10th December 2017

Most You Trainee
Dr. Mohamed Muzaffar
From: Mohamed Muzaffar (PhD) holds his qualifications in Industrial and Manufacturing Engineering from UTM and his Master's Degree from Universiti Kebangsaan Malaysia. He has worked in various industries including the Ministry of Education, the Ministry of Health and the Ministry of Agriculture. He has also worked in the field of Quality Management and Business Process Management. He is currently working as an Associate Professor and has presented 100+ research papers in international conferences and journals. He has supervised 100+ research projects and has been awarded several research grants from the Ministry of Education, the Ministry of Health and the Ministry of Agriculture. He is currently working as an Associate Professor and has presented 100+ research papers in international conferences and journals. He has supervised 100+ research projects and has been awarded several research grants from the Ministry of Education, the Ministry of Health and the Ministry of Agriculture.

WORKSHOP CONTENTS

- Basic Concepts of Statistics in Research
- Introduction to SPSS
- Data Entry and Data Transformation
- Frequency and Non-Frequency Data
- Data Reliability and Validity Analysis
- Need for Data Analysis
- Concept of Addition and Binomial Distributions
- T-Test (Independent T-Test)
- ANOVA (One-Way & Two-Way)
- Correlation Analysis and Interpretations
- Regression Analysis (Linear and Multiple)
- Residual Reporting in Thesis

VENUE:
Tutorial Room 2, FKAAS, UTHM

RM 80/Participant
Registration Fee Includes:
- SPSS Software Package
- Free IJIE Publications
- Certificate of Participation

For Registration Form QR Code OR Visit this Link: http://bit.ly/register_workshop

Organized By:
Micropollutant Research Centre (MPRC)
Faculty of Civil and Environmental Engineering
Universiti Tun Hussein Onn Malaysia

For More Information:
Dr. Nor Arfan Yusoff Mohd Yusoff
naryusoff@uthm.edu.my



Kapsul MPRC – Community Service

Penulis: MPRC

LET'S CLEAN GO GREEN – Sg. Mengkibol, Johor

23 October 2017 - The Drainage and Irrigation Department (DID or JPS) and Johor State Government jointly organized a Community in River (COIR) program in Kluang, Johor. FKAAS students were involved in this program coordinated by Assoc. Prof. Dr. Radin Maya Saphira and Dr. Adel Ali Saeed. The purpose of the program are to impart knowledge to the volunteers on river protection from pollution and to form good networking between government departments, agencies, youth and communities.



LET'S CLEAN GO GREEN – Hutan Simpan Sungai Johor

9 November 2017 – Program "Let's Clean Go Green" 2017 by Pejabat Hutan Daerah Johor Selatan, Date: 9th November 2017, Venue: Compartment 79, Hutan Simpan Sungai Johor in Collaboration with Lim & Lim Plantation and Universiti Tun Hussein Onn Malaysia (UTHM).

"Let's Clean Go Green" is one of the awareness and volunteer activities to promote swamp conservation. The aim of this event was to promote and support as well to improve management of freshwater habitats by planting more than 600 plants such as rhu, kembang semangkuk, merawan, bintangu laut and kelat jambu within swamp area. A total of 60 students participated as volunteer and coordinated by Assoc. Prof. Dr. Radin Maya Saphira, Dr. Sabariah and Dr. Adel Gheethi.



Tahniah & Terima Kasih

TAHNAH LANTIKAN BARU:

- Prof. Dr Ahmad Tarmizi Abd Karim – Dekan Pusat Pengajian Siswazah (1 November 2017)
- Dr Adel Ali Saeed Abduh Al Gheethi – Pensyarah Kontrak (Oktober 2017)

TAHNAH PENYELIDIKAN:

- Geran Science Fund dari MOSTI- Microalgae Bio-Product From Phycoremediation of Different Wastewaters as Fish Feed, RM152, 520, Leader PM Dr Radin Maya Saphira Radin Mohamed, dan ahli Prof Amir Hashim Mohd Kassim, Dr Adel, Prof Hj Aziz Abd Latiff, (FKAAS), Dr Norshuhila Sunar (FTK) dan Dr Hazel (FAST), tempoh 31.5.2017 hingga 28.2.2019.
- GPPS fasa 3/2017– Ketua projek (Prof Amir Hashim Mohd Kassim, Dr Roslinda Seswoya dan Dr Sabariah Musa), tempoh 1 November 2017 hingga 31 Oktober 2020.

TAHNAH INDEXED SCOPUS – IJIE 2017:

- PM Dr Zawawi Daud, Prof Hj Ab Aziz Abdul Latiff dan pasukan editorial.

TAHNAH GRADUAN PhD:

- Dr Hjh. Roslinda Seswoya
- Dr Nur Adilla Ab Aziz
- Dr Azra Munirah Mat Daud

TAHNAH SUKAN CESWEC 2017:

- JKAP JUARA



JUARA
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Raikan Bersama

Oktober - Disember 2017

