

NEWSLETTER

ISSUE 9/2022

OCTOBER 2022

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TABLE OF CONTENTS

ARTICLES OF THE MONTH	1
COMMUNITY ENGAGEMENT	4
TA'ARUF WEEK SEMESTER 1 2022/2023	6
ACHIEVEMENTS AND RECOGNITIONS	8
APPRECIATION	13
TALK/SEMINAR	14
PUBLICATION AND COPYRIGHT	15



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**DEPARTMENT
OF
INFORMATION
SYSTEMS,
KICT, IIUM**

ARTICLES OF THE MONTH

RESEARCH AND PUBLICATIONS IN ISLAMIC PERSPECTIVE (PART 2: EXPERIMENTAL RESULTS)

This article is part 2 of "Research and Publications in Islamic Perspective" and is focuses on the experimental results, while part 1 was an introductory on this topic.

Hence, Islam emphasizes the need to **establish facts** based on **experience**. The Prophet (peace and blessings be upon him) said in the case of date trees pollination: *"You have better knowledge (of a technical skill) in the affairs of your professions"* (Muslim).

أَنْتُمْ أَعْلَمُ بِأَمْرِ دُنْيَاكُمْ
(مسلم).

The results may not be based on expectations. So, we can learn from the hadith that the Muslim should not insist to prove his opinion if he finds better opinion.

The Muslim scholar has to ensure **accuracy and integrity** when he talks and writes. We find the Holy Qur'an teaching us how to be accurate in reports. Allah Almighty says: *"The desert Arabs say: 'We believe.' Say, 'You believe not, but you (only) say: 'We have submitted our wills to Allah', for faith has not yet entered your hearts ..."* (Al-Hujurat: 14).

قَالَتِ الْأَعْرَابُ آمَنَّا قُلْ لَمْ نُؤْمِنُوا وَلَكِنْ قُولُوا أَسْلَمْنَا وَلَمَّا يَدْخُلِ الْإِيمَانُ فِي قُلُوبِكُمْ
(الحجرات: 14)

The above verse tells us the importance of being accurate in speech and reports. Islam is not just words of the mouth; it requires one to have faith in one's heart and that will reflect in other parts of the body.

Similarly, Islam **demands concrete evidence** before making judgment. So, the researcher should not draw any conclusions without strong evidence. This is why Muslim scholars usually ask for evidence or proofs and for the authenticity of what someone says; without any authentic proof he should not rely on his findings. Allah Almighty teaches us this when He says: *"Say: 'Produce your proof if you are truthful'"* (Al-Baqarah: 111).

قُلْ هَاتُوا بُرْهَانَكُمْ إِنْ كُنْتُمْ صَادِقِينَ
(البقرة: 111).

And a Muslim **should not be biased**; he should not fabricate or alter the results for any reason. Allah Almighty says: *"... then know that they only follow their own lusts. And who is more astray than one who follows his own lusts, devoid of guidance from Allah?"* (Al-Qasas: 50).

فَاعْلَمْ أَنَّمَا يُتَّبِعُونَ أَهْوَاءَهُمْ وَمَنْ أَضَلُّ مِمَّنْ اتَّبَعَ هَوَاهُ بِغَيْرِ هُدًى مِنَ اللَّهِ
(القصص: 50).

The researcher is required not to change the results of his findings just to fulfill his personal interest.



THE ROLE OF 3D MODELLING IN SUSTAINABLE DEVELOPMENT

Malaysia, together with other 192 world leaders adopted the 2030 Agenda for Sustainable Development (2030 Agenda) at the United Nations General Assembly in New York on 25 September 2015. This is a global commitment towards a more sustainable, resilient and inclusive development, with 17 Sustainable Development Goals (SDGs) and 169 targets.

One of the 11th Malaysia Plan is improving wellbeing for all, which is mapped to SDGs 2, 3, 9, 11 and 16. This is one of the areas where 3D modelling can be fully utilised. Students enrolled in INFO 4326 3D Modelling course were asked to propose a 3D scene, specifically on the improvement of the wellbeing for all within the scope of Industry, Innovation and Infrastructure (SDG 9). Another part of the requirement is to incorporate an Islamic element as part of the sustainable development.

From the submission, two groups with an outstanding development were selected.

1. Sebil

(Proposed by Mohammad Mu'izzuddin Bin Mohammad Ali, Imran Haqem Bin Azidy, Muhammad Adam Qusyairi Bin Zamzury and Abdul Hakim Bin Jesni)

Sebil, or a water fountain, was originally designed during the golden age of Islam. Apart from serving as a decoration for particular places, it does have another purpose, which is to provide clean water for the community. Centred around this concept, the entire scene that is comprised of residential buildings, roads, trees and booths, was modelled after a middle-east theme, emphasising on the unique Islamic architectural design.



Sebil - close up



Sebil-other Islamic architectural design



Sebil - overall scene

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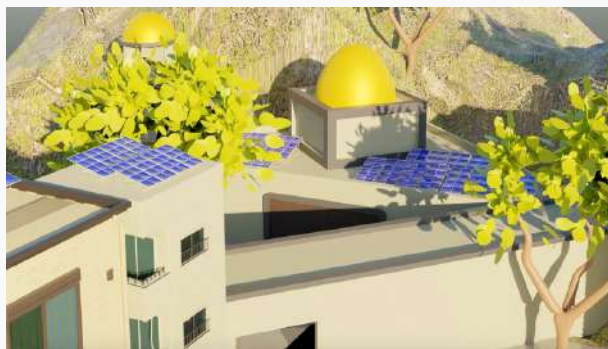
2. Sustainable Development in a Rural Area

(Proposed by Ridza Kalimanto, Muhammad Wafiuddin Bin Abdul Harith, Yamen Al-Zeiter and Asyari Ammar Taufiqurrahman)

One of the problems that exists in rural areas is the scarcity of electricity which leads to various other problems that hinder the development of the said area. Therefore, solar panels are used to promote new energy sources for the area, beside being sustainable and environment-friendly. In the proposed scene, the buildings are modelled within a close proximity, while maintaining the feeling of being in a rural area through the preservation of the nature.



Rural Area Development - close up buildings



Rural Area Development - close up solar panels



Rural Area Development - overall scene



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Community Engagement at Bintan Island, Indonesia

Atikah Balqis Basri and Dini Oktarina Dwi Handayani
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Community Service Collaboration between University of Brawijaya with International Islamic University Malaysia with theme "Building Sustainable Tourism Inside Indonesia's Resort Island: Community-Based and Eco-Friendly Tourist Projects In Ekang Tourist Village, Bintan Island



Tentative Program

Monday (01 August 2022)

17.30 - 18.00 : Estimate arrival in Desa Wisata Ekang
 19.00 - 21.00 : Opening Ceremony Community Service Collaboration
 21.00 - Finish : Free Time

Tuesday (02 August 2022)

07.00 - 08.00 : Briefing
 08.00 - 10.00 : Survey and identification potency of assets and land
 10.00 - 11.30 : Discussion about results of survey and identification potency of assets and land
 11.30 - 13.00 : Rest and lunch
 13.00 - 16.00 : Training planting technique and cultivation of orange plant
 16.00 - 18.00 : Rest
 18.00 - finish : Free Time and Dinner

Wednesday (03 August 2022)

07.00 - 08.00 : Briefing
 08.00 - 11.30 : Planting Orange seeds
 11.30 - 13.00 : Rest and lunch
 13.00 - 16.00 : FGD and evaluation related to results planting
 16.00 - 18.00 : Rest
 18.00 - finish : Free Time and Dinner

Thursday (04 August 2022)

07.00 - 08.00 : Briefing
 08.00 - 11.30 : City Tour
 11.30 - 13.00 : Rest and lunch
 13.00 - 16.00 : City Tour
 16.00 - 18.00 : Rest
 18.00 - finish : Free Time and Dinner

Friday (05 August 2022)

07.00 - 08.00 : Briefing
 08.00 - 11.30 : Material explanation from Guest University
 11.30 - 13.00 : Rest and lunch
 13.00 - 16.00 : Material explanation from Guest University
 16.00 - 18.00 : Rest
 18.00 - 21.00 : Closing ceremony and farewell Party community service Collaboration
 21.00 - finish : Free Time and Dinner

Saturday (06 August 2022)
 Return preparation Malaysia team

OBJECTIVE OF THE PROGRAM

This collaboration involves two universities from Malaysia and two universities from Indonesia aiming to provide community service collaboration between both countries and promote different diversity and cultures toward participants. Participants are together to share knowledge and brainstorm idea for benefits to their local tourism. Three representatives from Kulliyah of Information and Communication Technology, IUM were involved and benefit from this community service.



COMMUNITY ENGAGEMENT

Community Engagement at Bintan Island, Indonesia

Activities



COMMUNITY ENGAGEMENT

IHSAN SEJAHTERA TA'ARUF WEEK UNDERGRADUATE STUDENTS SEMESTER 1 2022/2023

DAY 1 - 5TH OCTOBER 2022	
TIME	ACTIVITY
11.00 AM - 12.00 PM	OPENING CEREMONY
12.00 PM - 1.30 PM	KULLIYAH BRIEFING
2.30 PM - 3.30 PM	MOTION-U
3.30 PM - 5.30 PM	EXPLORACE

DAY 2 - 6TH OCTOBER 2022	
TIME	ACTIVITY
11.30 AM - 1.30 PM	DEPARTMENT BRIEFING
2.30 PM - 4.30 PM	SESSION WITH UJTS
4.30 PM - 5.30 PM	CLOSING CEREMONY



TA'ARUF WEEK

COS POSTGRADUATE TA'ARUF SEMESTER 1 2022/2023

AN INTERNATIONAL AWARD-WINNING INSTITUTION FOR SUSTAINABILITY

LEADING THE WAY
LEADING THE WORLD

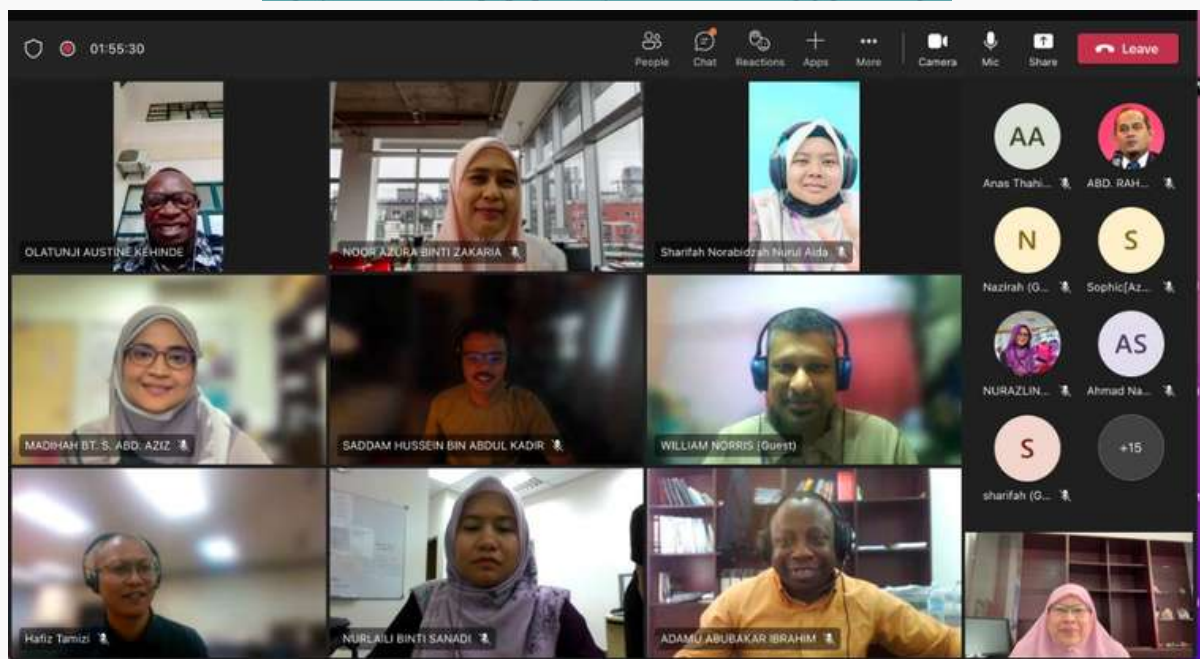
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KULLIYAH OF INFORMATION
&
COMMUNICATION TECHNOLOGY

COS POSTGRADUATE TA'ARUF SEM 1, 2022/2023

TENTATIVE:

- 2.30 pm: Opening remark by Dean, KICT
- 2.40 pm: Briefing by Deputy Dean PG, KICT
- 2.50 pm: Briefing by Head of Department Library & Information Science (DLIS)
- 3.00 pm: Briefing by Head of CITA
- 3.10 pm: Briefing by PG Coordinator Consolidated Program
- 3.20 pm: Briefing by PG Coordinator (DIS)
- 3.30 pm: Briefing by Head of Research
- 3.40 pm: Q&A session



Welcome TO KICT

Congratulations
& welcome to



**Prof. Emeritus Dato'
Ts. Dr. Tengku Mohd
Tengku Sembok**

From us at:

Kulliyah of Information & Communication Technology



Congratulations
& welcome to



**Sr. Noor Shafini
Mohamed**

DEPARTMENT OF INFORMATION SYSTEMS

From us at:

Kulliyah of Information & Communication Technology



Congratulations
& welcome to



**Asst. Prof. Ts. Dr.
Ahmad Anwar
Zainuddin**

From us at:

Kulliyah of Information & Communication Technology



Congratulations
& welcome to



**Azizulkefly Muhamed
Amin**

From us at:

Kulliyah of Information & Communication Technology



ACHIEVEMENTS AND
RECOGNITIONS

Congratulations FOR COMPLETING PROPOSAL DEFENSE/DISSERTATION




AN INTERNATIONAL AWARD WINNING INSTITUTION FOR SUSTAINABILITY

LEADING THE WAY

Congratulations
for Completing on Proposal Defense



Maha Waleed Ali ElFadel
 Doctor of Philosophy (Library and Information Science) (P_LIB)

Thesis Title:
 Perceived Impacts of E-Marketing Mix for Delivery of Electronic Information Services at The Jordanian Public Academic Libraries

Date of Proposal Defense:
 14th September 2022

Chairman:
 Assoc. Prof. Dr. Lili Marziana Abdullah

Examiner:
 Asst. Prof. Dr. Nur Leyni Nilam Putri Junurham
 Assoc. Prof. Dr. Aida Mokhtar

SUPERVISORY COMMITTEE:
 Main Supervisor: Prof. Datn, Dr. Roelina Othman
 Co-Supervisor: Assoc. Prof. Dr. Faten Fatehi Hamad
 Co-supervisor : Asst. Prof. Dr. Hazwani Mohd Mohadis
 Co-supervisor : Asst. Prof. Dr. Nik Hzman B. Nik Mat



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LEADING THE WAY

Congratulations
for Completing Dissertation



AFHAM JAUHARI BIN ALDI (G1918949)
 Master of Library and Information Science (MLIS)

Thesis Title:
 USABILITY STUDY ON ONLINE FINDING AID (OFA) OF THE NATIONAL ARCHIVES OF MALAYSIA

Date of Presentation:
 29th August 2022

Examiner:
 Asst. Prof. Dr. Nor Saadah Md. Nor (DLIS)
 Asst. Prof. Ts. Dr. Zahidah Zulkifli (DLIS)

MAIN SUPERVISOR:
 Asst. Prof. Dr. Nor Saadah Md. Nor



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LEADING THE WAY

Congratulations
for Completing Dissertation



WAN JUMANATUN NAILIAH (G1914322)
 Master of Library and Information Science (M_LIS)

Thesis Title:
 USERS' PERCEIVED VIABILITY TOWARDS JAWI IMPRINTS DIGITIZATION

Examiner:
 Asst. Prof. Ts. Dr. Muhamad Sadry Abu Seman(DIS)
 Asst. Prof. Dr. Sharifah Nur Amirah Sarif Abdullah(DLIS)

MAIN SUPERVISOR:
 Asst. Prof. Dr. Sharifah Nur Amirah Sarif Abdullah



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ACHIEVEMENTS AND RECOGNITIONS

Congratulations ON SECURING OF GRANTS






AN INTERNATIONAL AWARD-WINNING INSTITUTION FOR SUSTAINABILITY

أَلْحَمْدُ لِلَّهِ
& CONGRATULATIONS
 for securing the
IIUM-UMP Sustainable Research Collaboration Grant 2022

PROF. DR. MURNI MAHMUD

TITLE: TEENAGERS-CENTERED MODEL FOR EVALUATING ISLAMIC DESIGN AND CONTENT FOR MENTAL HEALTH DIGITAL THERAPEUTICS

AMOUNT RECEIVED
 RM 20, 000

CO-RESEARCHER (S)
 1. ASST. PROF. DR. SUHAILA SAMSURI
 2. ASST. PROF. DR. ELIN ELIANA ABD RAHIM
 3. DR. SITI SUHAILA – UMP
 4. ASST. PROF. DR. INTAN AIDURA ALIAS, KIRKHS.



OFFICE OF RESPONSIBLE RESEARCH AND INNOVATION






AN INTERNATIONAL AWARD-WINNING INSTITUTION FOR SUSTAINABILITY

أَلْحَمْدُ لِلَّهِ
& CONGRATULATIONS
 for securing the
IIUM-UMP Sustainable Research Collaboration Grant 2022

ASSOC. PROF. DR. ADAMU ABUBAKAR IBRAHIM

BLOCKCHAIN-BASED MODEL FOR DEEP PACKET INSPECTION SYSTEM.

AMOUNT RECEIVED
 RM 20, 000

CO-RESEARCHER (S)
 1. PROF. DR. AKRAM MZM KHEDHER
 2. ASST. PROF. DR. ANDI FITRIAH ABDUL KADIR
 3. ASSO. PROF. DR. ZULKEFLI BIN MUHAMMED YUSOF
 4. ASSO. PROF. DR. LUHUR BAYLAJI (FACULTY OF COMPUTING, UMP)



OFFICE OF RESPONSIBLE RESEARCH AND INNOVATION






AN INTERNATIONAL AWARD-WINNING INSTITUTION FOR SUSTAINABILITY

أَلْحَمْدُ لِلَّهِ
& CONGRATULATIONS
 for securing the
IIUM-UMP Sustainable Research Collaboration Grant 2022

ASST. PROF DR. AHSIAH BINTI ISMAIL

TITLE: VISION-BASED VEHICLE DETECTION USING DEEP LEARNING

AMOUNT RECEIVED
 RM 20, 000

CO-RESEARCHER (S)
 1. ASSO. PROF. TS. DR. AMELIA RITAHANI ISMAIL
 2. ASST. PROF. DR. ASMARANI AHMAD PUZI.
 3. DR. SURYANTI (UMP)



OFFICE OF RESPONSIBLE RESEARCH AND INNOVATION

ACHIEVEMENTS AND RECOGNITIONS

Congratulations

FOR COMPLETING RESEARCH PROJECT


AN INTERNATIONAL AWARD-WINNING INSTITUTION FOR SUSTAINABILITY

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ Congratulations for Completing the Public-Private Research Network (PPRN)

TITLE |

**SECURE WATER MONITORING AND
MANAGEMENT (SWAM) SYSTEM**

TOTAL |

RM 39 600

TEAM MEMBERS |

**ASST. PROF. DR. HAFIZAH BINTI MANSOR
ASST. PROF. DR. ANDI FITRIAH BINTI ABDUL KADIR
ASST. PROF. DR. AMIR 'AATIEFF BIN AMIR HUSSIN
ASST. PROF. DR. RIZAL BIN MOHD. NOR**



**ASSOC. PROF. DR.
NORMAZIAH ABDUL AZIZ**

Office of Responsible Research and Innovation

ACHIEVEMENTS AND
RECOGNITIONS

Congratulations

CENTRE FOR IT ADVANCEMENT (CITA)

AN INTERNATIONAL AWARD-WINNING INSTITUTION FOR SUSTAINABILITY

LEADING THE WAY
LEADING THE WORLD

40

Premier Digital Tech University

KICT

C I T A
K I C T

**CONGRATULATIONS TO
CENTRE FOR INFORMATION
TECHNOLOGY ADVANCEMENT
(CITA)**

**THE MBIA PROGRAMME HAS BEEN
ACCORDED A 4-YEAR ACCREDITATION.**

*May Allah grant CITA more success
in future.*

ACHIEVEMENTS AND
RECOGNITIONS

Thank You

for your contribution
in kict

BR. MOHD HAFIZEE BIN RAZAK



**Assistant Information Technology Officer
2010-2022**

TALK/SEMINAR




AN INTERNATIONAL AWARD-WINNING INSTITUTION FOR SUSTAINABILITY

KICT DIS Seminar in collaboration with Coordinator of Islamisation

Journey Towards the Final Pillar : sharing experience in becoming the participant of the IIUM Hajj Programme



SPEAKER
DR. AZNAN ZUHID BIN SAIDIN

MODERATOR
BRO. MUHD. ROSYDI BIN MUHAMMAD

13th September 2022 (Tuesday)
10:00-11:00 am
Venue: KICT Conference Room

FULLY PHYSICAL SEMINAR

TALK/SEMINAR

PUBLICATIONS

(Submission in IREP for September 2022)

1. Halbouni, Asmaa Hani and Gunawan, Teddy Surya and Habaebi, Mohamed Hadi and Halbouni, Murad and Kartiwi, Mira and Ahmad, Robiah (2022) *CNN-LSTM: hybrid deep neural network for network intrusion detection system; a case*. IEEE Access, 10. pp. 99837-99849. E-ISSN 2169-3536
2. Ahmad Puzi, Asmarani and Zainuddin, Ahmad Anwar and Sahak, Rohilah and Mohamad Yunos, Muhammad Farhan Affendi and Abdul Rahman, Siti Husna and Mohd Ramly, Munirah and Maaz, Muhammad and Kaitane, Wonderful Shammah (2022) Machine learning facemask detection models for COVID-19. In: 2022 IEEE International Conference on Semiconductor Electronics (ICSE), 15-17 August 2022, Kuala Lumpur, Malaysia.
3. Ashraf, Arselan and Gunawan, Teddy Surya and Arifin, Fatchul and Kartiwi, Mira and Sophian, Ali and Habaebi, Mohamed Hadi (2022) On the audio-visual emotion recognition using convolutional neural networks and extreme learning machine. Indonesian Journal of Electrical Engineering and Informatics (IJEEI), 10 (3). pp. 684-697. E-ISSN 2089-3272

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TITLE :

P-REST Estimator: An Optimised Software Project Effort Estimation Systems

INVENTORS AND CO-INVENTORS:

1. Assoc. Prof. Ts. Dr. Amelia Ritahani Ismail
2. DR. Noor Azura Binti Zakaria
3. Nadzurah Binti Zainal Abidin