AN INTERNATIONAL AWARD-WINNING INSTITUTION FOR SUSTAINABILITY

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 emphases 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).*

أنتُم أعلَم بِأمرِ دُنياكُم
(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).*

قالَتِ الْأَعْرَابُ آمَنَّا قُل لَّمْ تُؤْمِنُوا وَلَكِن 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 إِن كُنتُمْ 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 يَتَّبِعُونَ أَهْوَاءَهُمْ وَمَنْ أَضَلُّ مِمَّنِ 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.

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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 Haqeem 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

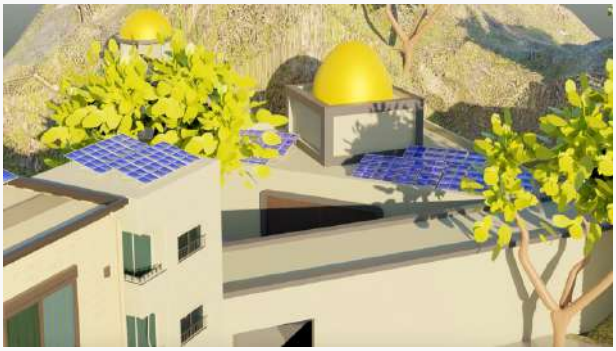
Sebil-other Islamic architectural design

Sebil - overall scene

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

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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

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, IIUM were involved and benefit from this community service.

Tentative Program

Monday (01 August 2022)

17.30 – 18.00 : Estimate arrival in Desa Wisata Ekang
19.00 – 21.00 : Opening Ceremony Comunnity 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 Timeand 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

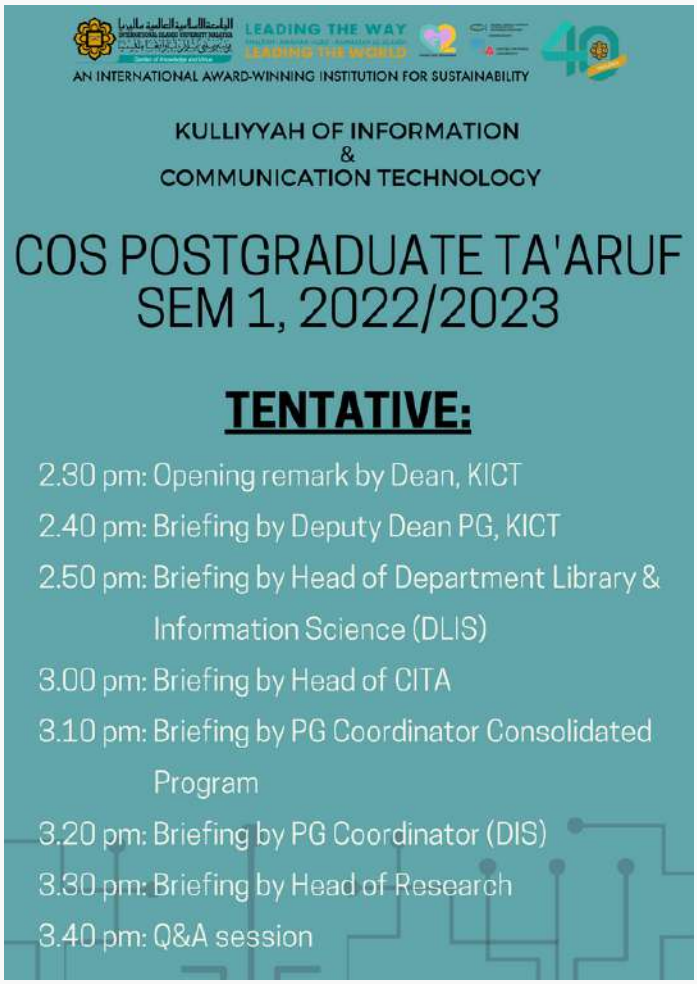
Community Engagement at Bintan Island, Indonesia

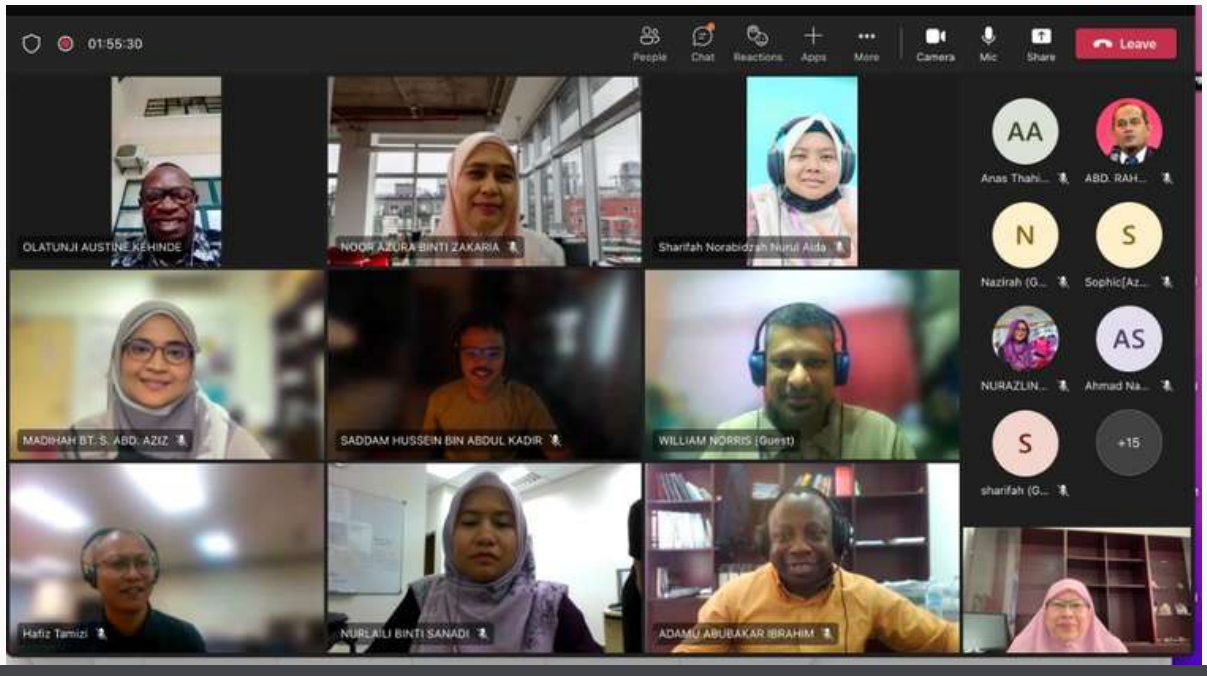
Activities

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

TA'ARUF WEEK

COS POSTGRADUATE TA'ARUF SEMESTER 1 2022/2023





Welcome TO KICT

Congratulations FOR COMPLETING PROPOSAL DEFENSE/DISSERTATION

Congratulations ON SECURING OF GRANTS

Congratulations FOR COMPLETING RESEARCH PROJECT

Congratulations
CENTRE FOR IT ADVANCEMENT (CITA)

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Thank You
for your contribution in kict
BR. MOHD HAFIZEE BIN RAZAK
Assistant Information Technology Officer
2010-2022

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

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