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Anugerah Hijau 2015 features ISI as finalist



Anugerah Hijau, or the Green Awards, is an annual nationwide competition organized by non-profit environmental organization, EcoKnights, along with its collaborative partners and sponsors. The competition aims to challenge young adults to be creative and innovative in addressing everyday environmental issues such as pollution, land usage, waste management, forest destruction, and human health, to name a few.

And this year, ISI was selected as one of the finalist for the final of Anuegerah Hijau 2015 in the Green Space category. The competition started in March and ended in a grand ceremony at Publika, Kuala Lumpur. Throughout the competition, our participant Mr Leng Pau Chung has met and interacted with judges and mentor such as Serma Hijjas of Hijjas Architects & Planner, Thirukumalan Jallendran of Malaysia Green Building Confederation (MGBC) and Bon Eng of Simplex Design Sdn Bhd.

Bundle of joy



Congratulations to our ISI Johor Bahru staff Nor Hayati Ramli and husband, Azrai bin Eshah on the arrival of their baby boy, Muhammad Amsyar Hijazi on 4 October 2015. Nor Hayati is the Assistant Registrar of ISI. Best wishes to the proud parents.

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Prof. Madya Dr. Syed Ahmad Iskandar Syed Ariffin dilantik sebagai Ahli Jawatankuasa Senibina Identiti Kebangsaan, Lembaga Arkitek Malaysia

Profesor Madya Dr Syed Ahmad Iskandar bin Syed Ariffin, mantan Ketua Jabatan Senibina, Fakulti Alam Bina, Universiti Teknologi Malaysia yang kini memegang jawatan sebagai Timbalan Pengarah 1 di Institut Sultan Iskandar Universiti Teknologi Malaysia telah diberikan tanggungjawab dan kepercayaan bersama beberapa ahli lain sebagai ahli jawatankuasa Senibina Identiti Kebangsaan, Lembaga Arkitek Malaysia. Tempoh lantikan beliau adalah selama 2 tahun iaitu bermula September 2015 hingga September 2017.

Beliau juga merupakan ahli jawatankuasa Majlis Akreditasi Pendidikan Senibina Malaysia dimana antara tanggungjawab beliau adalah melaksanakan lawatan validasi bagi mengiktiraf program senibina di Malaysia juga global.

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Nichias Eco-House, Environmentally-friendly research house officially launched



UTM JOHOR BAHRU, 3 December 2015 - The experimental house was officially opened by the Deputy Vice-Chancellor (Research and Innovation) of Universiti Teknologi Malaysia, Prof. Dr Ahmad Fauzi bin Ismail, with the presence of Mr Toshiyuki Takei, the President of Nichias Corporation Japan and Prof. Dr. Mohd Hamdan Ahmad, the Executive Director of Institut Sultan Iskandar.

Two of the major outcomes of the project are the construction of two units of full-scale experimental houses named Nichias Eco-House in the local main campus of UTM in Johor Bahru for real monitoring of thermal performance of the passive cooling techniques and proposal of an energy-saving building standard for Malaysia in the near future.

This research on insulation, energy efficiency and thermal comfort study in hot-Humid tropics were a joint research between Universiti Teknologi Malaysia with University of Hiroshima. The entire project including the construction costs of the two buildings is funded by Nichias Corporation, Japan. The completion ceremony of the experimental houses construction marks the achievement of a major milestone as one of the first full-scale experimental facilities in the Southeast Asian region to support energy-saving research in the built environment.

Energy savings are important in the global building sector due to concerns about energy security and effects of global warming. In

developing hot regions such as Southeast Asia, cooling demand in residential buildings is a major concern since it is predicted to rise sharply in the coming decades in line with rapid urbanization, and population and economic growth. The proportion of urban population in Malaysia has grown from 34% in 1980 to 71% in 2010.

In parallel, final energy use in the residential and commercial sector escalated more than sevenfold between 1980 and 2007, which exceeded the total final energy demand growth rate. In residential buildings, the increase could be attributed to electricity consumption for air conditioning as air conditioner ownership expanded among households. This proportion is expected to rise further as Malaysia improves her economy to a developed status. The largest urban housing stock in Malaysia is comprised of brick terraced houses. The high thermal mass building envelope of these houses make it difficult to be cooled even at night in the hot-humid climate for various reasons. A previous full-scale field experiment performed in existing typical terraced houses showed that night ventilation that is opening windows throughout the night improves the indoor thermal comfort much compared to the current household behaviour of opening windows during the daytime only. It is believed that occupant behavioural adjustment and retrofitting the existing buildings for passive cooling can stimulate the sector's change towards carbon and energy savings.

The Seminar of Malaysian People-Government Synergy

KUALA LUMPUR, 18 December 2015 - The Malaysian People - Government Synergy Seminar organized by Yayasan Sumber Maklumat (YSM), UTM - Survey Research Group (UTMSRG) and Institut Sultan Iskandar UTM (ISI) that was held at Universiti Teknologi Malaysia Kuala Lumpur on 17 December 2015 was triggered by the findings of the Malaysian People Satisfaction Index study. It is held in line with the country's development with emphasis on the diverse needs of the people for the creation of a safe and competitive fleet of other developed countries. Each contemporary problems and challenges faced by the people must be heard in details, handled and used as examples to create greater success by government sectors. This is to increase productivity in each ministry by the federal government mandated to rule the country. In addition, the programs "Transforming the Mind" provided exposure and opportunity for every sector of the ministries or departments to get closer and understand the problems of the society.

The seminar was open to administrators, researchers, policy makers and the implementer of Malaysian policies and managed to gather 147 participants of the targeted group. The seminar focuses on four paperwork presentation. Keynotes speech delivered by Ybhg. Prof. Dr. Ahmad Fauzi Bin Ismail entitled 'Sinergi Universiti - Kerajaan Menjayakan Pembangunan Holistik dan Kemakmuran Sejangat' initiate the seminar. It is followed by paperwork presented by Ybhg. Datuk Abu Talib Harun, Former Deputy Secretary of the Psychological Warfare and National Security Council with the topic

of 'Politik Malaysia Menjelang PRU 14'. YBhg. Prof. Emeritus Dr. Zakariah Abdul Rashid, Executive Director of the Malaysian Institute of Economic Research continues with the 'Kajian Ekonomi Malaysia'. The third presenter from UTM-SRG, PM Dr. Ismail Mohamad discussed on 'Kajian Indeks Kepuasan Rakyat Malaysia' and the final presenter Ybhg. Dr. Anis Yusal Yusoff deliberated topic of 'Integriti: Kepentingannya Dalam Pembangunan Negara'.

They gave an impact as it provides feedback when used as input to the community with the collaboration of University in particular UTM expertise in assisting the government with suggestions for improvements to the existing policies and the implementation of various government transformation programs. As such, the government can move the entire government machinery in various ministries and departments to ensure that policies formulated by the government run with the interests of the people with the hope Malaysian will have a better life, compared to other developing countries.



CASBEE - City & Urban Development Workshop



Johor Bahru, 7 October 2015 - CASBEE which stands for Comprehensive Assessment System for Built Environment Efficiency CASBEE is a tool for assessing and rating the environmental performance of buildings and built environment.

The workshop that was held on October involved a Professor Toshiharu Ikaga from Keio University and Mr Junya Yamasaki from Ikaga Lab,

About ISI
Institut Sultan Iskandar is an independent non-profit making research and development, serving the Government, private sector and the university. Gazetted as an approved institution, ISI operates within the UTM campuses in Johor Bahru and Kuala Lumpur.

**BE THE CHANGE
YOU WISH TO SEE
IN THE WORLD**

Mr. Boyd Dionysius Joeman, Head, Environment, Iskandar Regional Development Authority (IRDA) and Ms Shahrinaz Binti Maamor also IRDA were part of a pool of speakers during the workshop. Visits involved were to Molek Pine 4 which was organised by Majlis Bandaraya Johor Bahru (MBJB), Kota Iskandar and The Seeds at Taman Sutera Utama, organised by Majlis Perbandaran Johor Bahru Tengah (MPJBT). Other visits organised were to the JST Connectors Factory, Senibong Cove and to the Johorland Headquarter.

Special presentation to the Ministry of Urban Wellbeing, Housing and Local Government for KEJORA

PUTRAJAYA, 7 October 2015 - A special presentation on the Bandar Tenggara Revitalisation Project was made to the Deputy Minister of Ministry of Urban Wellbeing, Housing and Local Government, Datuk Halimah Siddique and the KEJORA top management on 6th October 2015. The Draft Final Report was presented to Institute for Rural Advancement (INFRA) on 13th October 2015 at Pejabat Lembaga Bandaran Johor Tenggara.

The Final Report of the study has been submitted and accepted by Lembaga Kemajuan Johor Tenggara (KEJORA) on 5 November 2015 and to Institute for Rural Advancement (INFRA) (the funder). The report presented a comprehensive analysis of the Bandar Tenggara's current conditions, issues and recommended strategic interventions for the town's revitalisation and its future growth, focusing on project actions implementable within the next five years. The report serves as the instrument to guide the necessary actions by the authorities towards revitalising Bandar Tenggara, which is now experiencing slow growth.



Sustainability Leadership programme in Cambodia

Siam Reap, CAMBODIA, 31 October 2015 - Taking advantage of the ASEAN Community spirit and Higher Education Institutions' (HEI) role in Sustainable Development Goals (SDG), Institut Sultan Iskandar together with the Ministry of Higher Education (MoHE) of Malaysia through the Higher Education Leadership Academy (AKEPT) took the initiative to organize the ASEAN Community Higher Education programme for sustainability leaders from HEI in ASEAN regions. The programme intends to empower university leaders through collaborations within ASEAN universities and supports the Sustainable Development Goals (SDG) Agenda 2030 vis-à-vis the past Decade of ESD (2005-2014). With the facilitation from UNESCO Regional Science Bureau for Asia and Pacific, Jakarta office and Sweden's Global Action Plan (GAP), Sustainability Unit of ISI-UTM introduces the Sustainability Science approach in the systemic and interconnection ecosystem using problem-based learning at two field studies in Siam Reap; Angkor Wat and Tonle Sap. The experts involved represent the academician, government and non-government organizations and NGOs from Malaysia, Indonesia, Australia and Sweden.

The programme which aims to provide a platform for university leaders to discuss issues on higher education in the ASEAN region is conducted through experiential and community-based projects. It is a unique combination of on-site learning experiences, expert knowledge-based sharing, and equipping leaders with Learning For Change (L4C) tools for Education for Sustainable Development (ESD). While the rich knowledge of expert sharing is based on the real-life experience of conducting action research with the community engagement and capacity building, the L4C tool which is developed by Global Action Programme (GAP) International, Sweden is introduced to empower the leader to be more adaptive and trans-

formative in anticipated Climate Change scenarios.

The objectives of the programme are to expose participants to the dynamic interactions and interconnections in translating SDG into sustainability science, using several case studies in the ASEAN context; to enhance participants' communication skills, appreciate consensual decision-making and interpersonal active listening, and group decision-making simulations through Learning For Change (L4C) tools and also to offer sustainability leadership training towards an innovative and knowledge-based society in support of transformational leadership.

Through the programme, the participants are encouraged to share

their expertise on developing a sustainable ASEAN One Community. Introduction to the sustainability science approach is given in the context of quintuple helix framework to enhance the interconnectivity and dynamic environment of the sustainability leadership which is enhanced by communication skills, consensual decision-making and interpersonal active listening, and group decision-making simulations through Learning for Change (L4C) using Education for Sustainable Development (ESD). The participants, equipped with tools for becoming transformational leaders, were exposed to several environmental dynamic interactions and interconnections as well as human complexities to stimulate their capability as future agents of change.

