

EDITORIAL

Assalamu'alaikum Warahmatullahi Wabarakatuh

This is the 2021 First Issue of the Design Ideals Journal of the Kulliyah of Architecture and Environmental Design, IIUM. The Issue contains eight research papers, all of which discuss the various subjects, challenges and solutions in the forms of design concepts pertaining to the built and natural environments. As in the previous issues, this issue is dedicated to Malaysian case studies comprising of final year studio projects and design thesis of the students guided and supervised by the lecturers. Collectively, this Issue covers subject matters pertaining to the design facility for a recovery centre for women with postpartum depression, design solution in safeguarding Sarawak rainforest as the national natural heritage, a compact bedroom furniture, a communal landscape design project for a low-cost flat, offshore ecotourism aquaculture centre, playset furniture functioning as educational equipment, high-impact projects for Negeri Sembilan and the review of Negeri Sembilan State Structure Plan 2045.

The first paper by Liyana Yusoff and Fadzidah Abdullah titled SENADA: Harmonising architectural elements for the recovery of post-partum depression aims to solve the issues of postpartum depression among mothers through architectural solution. The paper focuses on the physical, psychological and spiritual needs of mothers who suffer from postpartum depression upon delivering their babies. The research outcome is an architectural design facility proposed as a Recovery Centre for Women with Postpartum Depression. The project would benefit postpartum women by providing an appropriate healing environment in the new architectural design facility.

The second paper by Nazrin Pamnan and Fadzidah Abdullah focus on the potential of architectural design solution to safeguard Sarawak Rainforest as the National Natural Heritage. Their research explores the forests as a significant role in maintaining the balance cycle of the global ecosystem. The rainforest in Malaysia has a rich biodiversity, but it is now in danger of disappearing due to excessive deforestation. The proposed architectural solution comes in the form of an “Exploratorium,” an architectural project integrated with a rainforest research centre. This proposed architectural solution will enable the general public to learn and understand the significance of preserving the rainforest by encouraging them to experience the tropical rainforest ecosystem. Indeed, designing the “Exploratorium” reconnects the division between humans and nature and responds to the call of SDG16, which is to protect, restore, and promote sustainable use of terrestrial ecosystems.

Norlin Roszlean, Julaila Abdul Rahman and Zumahiran Kamarudin were looking at LIPAT – a compact bedroom furniture for tenants in Malaysia in the third paper. Their aim is to propose a suitable design portable concept furniture that can help to ease the issue faced by the tenant during their moving in and out. A simple mechanism such as slotting and folding a minimalist style of nomad furniture is most appropriate. Wood is widely used for many compact furniture because of its durability and portability concept. The furniture needs to comply with the Malaysian population's anthropometric data and should also be affordable.

The next paper by Mazlina Mansor, Haza Hanurhaza Md Jani, Putri Haryati Ibrahim and Norhanis Diyana Nizarudin presents the process of implementing a communal landscape design project for a low-cost flat in Selangor. The project aimed to rejuvenate the existing communal area into a unique outdoor landscape space that is vibrant in use, comfortable and beautiful. The project involved the cooperation of various groups, including the client, local authority, the students from the Bachelor of Landscape Architecture programme and ARCLA Society, the academic staff of IIUM, and Selayang Mulia flat residents at Batu Caves. As part of the UN Sustainable Development Goals (SDG) to encourage academic staff and students to be engaged in a community project, this communal landscape project has promoted a sense of place to the residents.

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The fifth paper entitled The sea vault: offshore ecotourism aquaculture centre at Pulau Besar, Johor by Alisufian Ruslan and Zeenat Begam Yusof proposes a design of sustainable offshore aquaculture centre design in Malaysia so as to reduce water pollution and increase marine fish produce. The site was at Pulau Besar, Johor. Parrotfish identified as important species for breeding to balance the marine ecosystem.

The sixth paper by Athirah Nazri, Raja Intan Suhaylah and Ronaldi Saleh Umar looks at a concept of playset furniture recognised as Good Dino to functions as educational equipment with storages, playground, and space decoration. The concept was approached through behaviour control to suggest kids keeping their things (like toys and equipment) and playing the slide as a reward. The Dino approach is recognised as a behavioural treatment for children who may have problems with attention span, following instruction, making careless mistakes, inattentive and hyperactive. Emotional Design concept from Interaction Design was adapted to conceptualise the approach.

Abdul Azeez Kadar Hamsa, Mansor Ibrahim, Irina Safitri Zen, Mirza Sulwani, Nurul Iman Ishak and Muhammad Irham Zakir review and propose high impact projects in State Structure Plan of Negeri Sembilan 2045. This article is an appraisal of Negeri Sembilan Draft State Structure Plan 2045. State structure plan sets the framework for the spatial planning and development to be translated in more detail in the next stage of development planning which is local plan. The review encompasses the goal, policies, thrusts and proposals to lead the development of Negeri Sembilan for the next 25 years. This review also highlights 9 high-impact projects proposed to be developed in Negeri Sembilan at the state level by 2045 through 30 policies and 107 strategies.

Lastly, the article on Reviewing the existing structure plan for facilitating the growing changes in the economic, social and environmental needs of Negeri Sembilan by Irina Safitri Zen, Abdul Azeez Kadar Hamsa, Mansor Ibrahim, Raudhatun Najihah Muslim, Nor Aziman Mohamad Sakri and Dayang Rifhan Zakirah Abang Razali critically looks at the Negeri Sembilan State Structure Plan 2045 that complying with the amendments or review of the state's five years' development plan. This planning document presents the strategies, policies, and general proposals that cover the whole state. The review also considers changes in policies at the state level to align with the policies at the national level. The review of Negeri Sembilan State Structure Plan 2045 consists of 5 development thrusts, 34 policies, 98 strategies, and nine high impact projects.

As a whole, it is hoped that professionals, lecturers, researchers, undergraduate and postgraduate students, in built and natural environments, will find this issue of Design Ideal interesting, useful and knowledge-expanding. Your sincere feedback is most welcome by our editorial board.

Prof. Dr Mansor Ibrahim
Editor-in-Chief
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