

PREFACE

Dear honorable readers,

Assalamu'alaikum wrt. wbt.

Sincerest welcome and thankful to all for taking time to read and review our 2021 2nd Issue of the Design Ideals Journal. As in the previous, this issue covers eight articles from our faculty and students that focusing on the fields of architecture, planning, landscaping architecture, quantity surveying, building technology and engineering, applied arts and design. It is our commitment to constantly producing a journal unambiguously dedicated to a well-thought-of by KAED community. As such, the central aim of the Design Ideals Journal is to provide a platform for the students, lecturers and practitioners extending their practical charge for nurturing the readers, be it general, students or professional alike.

The journal offers an opportunity for researchers, research students, and practitioners to share their views either theoretical or empirical research findings; and readers, especially academics and students to indulge and value from its contents. We welcome the research reports and academic papers, short practice notes, design reviews and abstracts from portfolios and design theses on any aspects within fields related to the built environment. With the production of this issue, we manage to publish two issues as our pledge for a biannually production. InsyaAllah, apart from regular issues, we hope an additional publication in the forms of Special Issue will be offered to the readers in the future. Again, as usual, we humbly anticipate to get an inspiring feedback from readers. Lastly, we would like to wish all a joyful reading and have a successful new year ahead.

Editor-In-Chief

EDITORIAL

Assalamu'alaikum Warahmatullahi Wabarakatuh

As in the previous issue, this 2021 Second Issue presents eight papers addressing numerous subjects, challenges and solutions in the forms of design concepts pertaining to the built and natural environments. Again, 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. This Issue covers subject matters pertaining to the design facility such as chairs and study tables used by primary school students, proposed design for the harbour waterfront in Kuala Terengganu, revitalization of old area of Klang town, flood mitigation landscape in Kuantan town, marine rehabilitation and research centre at Perhentian Kecil Island, Terengganu, a sustainable landscape design for a Senior Citizen Complex in Shah Alam, proposal for high-impact projects in Kuala Selangor District Local Plan 2035.

The first paper, Compatibilities of Anthropometric Measurement on Chairs and Study Tables for Primary School Students in Malaysia by Norizzah Nabi Khan aims to improve chairs and study tables used by primary school students. This study emphasises the planning and development of chairs and study tables' design that are appropriate with the anthropometric (size and shape of the physical size) of the student's body and to produce guidelines for the design of chairs and study tables that are ergonomic, practical and of good quality.

The second paper by Fakhriah Amirah Mohd Rozadi, Putri Haryati Ibrahim and Zainul Mukrim Baharuddin titled Terengganu Identity: Proposed Harbourscape Tourism at Kampung Seberang Takir, Terengganu is a landscape development project at Seberang Takir, Terengganu, along the Terengganu estuary near Seberang Takir. Kg. Seberang Takir is rich in its cultural heritage, such as batik and bot penambang (boat transport). The site is by water bodies, i.e. Terengganu estuary, facing Kuala Terengganu town. This project aims to create spaces at Kg Seberang Takir in terms of cultural heritage, economy, and environmental aspects that have been affected by the fast development around it. The design concept is about a 'Warisan Pesisir Air'.

Nur Suhaila Shawaluddin, Putri Haryati Ibrahim and Zainul Mukrim Baharuddin were looking at a comprehensive project that enhancing the wellbeing of the community around Klang. This project intends to create comprehensive smart living cities focusing on biodiversity, historical values and economy with a concentration on accessibility for Klang town. The project, located at the centre of Klang town, has 243 hectares in acreage especially those along Jalan Tengku Kelana, Jalan Tengku Diaudin and Jalan Dato Hamzah. The low scale development of the site dominated by traditional shop-houses and retail outlets of high pedestrian activity is in the southern part of Klang town. The project is known as Smart Cities: Integrating Blue and Green Corridor to Create Healthy Lifestyle.

The next paper by M. Zainora Asmawi, Abdul Azeez Kadar Hamsa, Alias Abdullah, Azila Sarkawi, Norzailawati Mohd Noor, Irina Safitri Zen, Al-Hafiz Ishak, Nur Amalia Amani Mohd Rozmadi and Intan Nornabila Shamsuddin review a District Local Plan of Kuala Selangor prepared in accordance with the Manual of Local Plan preparation stated in the Plan Malaysia 2020 Edition. This article highlights findings, issues, proposals, and design of the existing Kuala Selangor District Local Plan. The proposals and designs highlighted in this paper for the selected district are applicable for the planning period between 2021 and 2035. The part of the proposals presented in this paper depicts the development concept, strategies, high-impact projects, implementation plan, and cost estimation of each major project that include 5 development thrusts, 16 strategies, and 12 high impact projects.

EDITORIAL

The fifth paper entitled High Impact Projects of Kuala Selangor District Local Plan 2035: En-Route to a Sustainable and Resilience District by 2035 by Abdul Azeez Kadar Hamsa, Alias Abdullah, Norzailawati Mohd Noor, M. Zainora Asmawi, Irina Safitri Zen, Muhammad Aiman Fahmi Deraman, Auni Afiqah Ahmad Faiezzurin and Syaza Farzana Nazry is another review of the Kuala Selangor District Local Plan 2035, the planning document that outlines the district's overall strategies, policies, and general proposals. Changes in policies at the district level are also examined to ensure that they are consistent with policies at the state and national levels. The District Local Plan is being prepared in compliance with PLANMalaysia's manual. The revision of the Kuala Selangor District Local Plan 2035 includes 5 development thrusts, 21 strategies, and 71 proposals, 9 of which are high-impact projects.

The sixth paper, Resilient Village: Flood Mitigation Landscape at Perkampungan Sungai Isap, Kuantan, Pahang by Aisyah Nadiah Abdul Wahid, Putri Haryati Ibrahim and Haza Hanurhaza Md Jani aims to create a resilient village for the residential area of Perkampungan Sungai Isap that experience a frequent vulnerable flood. The concept of a resilient village aims to enhance the performance of a system to maintain or recover functionality in the event of disruption or disturbance. This project is proposed to create a green and sustainable design as strategies for adaptive flood landscape. The project, located in the East Coast State of Pahang in Kuantan, is among the high-risk areas for floods near the Kuantan River Basin. The developed area is about 610 hectares, while the abandoned area is about 90 hectares. Perkampungan Sungai Isap is a mixed development area located in a suburban area that consists of residential, commercial facilities and utilities.

A paper titled Promoting Health Through Sustainable Landscape Design at Senior Citizen Complex Section 24, Shah Alam by Nurul Hasimawati Hasmi, Putri Haryati Ibrahim and Maheran Yaman intends to promote healthy environments for the senior citizens through sustainable landscape design. Health is one of the prevailing issues faced by senior citizens that needs consideration. Therefore, this project proposed implementing a sustainable landscape design that will promote a healthy environment for senior citizens that can give long term impacts to their quality of life. This project is located in a residential area (Section 24) where senior citizens live. Section 24 Shah Alam has a theme of vegetation, and the name of each street with both Roman and Jawi symbolizes the identity of Shah Alam as "Bandaraya Melayu".

Lastly, the article on the Marine Rehabilitation and Research Centre at Perhentian Kecil Island, Terengganu by Muhammad Zulhilmi Mohd Johan and Zeenat Begam Binti Yusof looks at Perhentian Island, Trengganu, famous for its coral reef beauty, but unfortunately deteriorated over the past years due to climate change and irresponsible tourism activities. The study aim is to design a comprehensive rehabilitation coral reef centre at the Perhentian Island. The centre aims was to rehabilitate the damaged corals, provide appropriate research facilities, and increase awareness and education about coral reefs for tourists visiting Perhentian Island. The centre is proposed to be located at the sea, 50 km from the island shore. This study had adopted a qualitative method. With several site analyses, in-depth interviews, case studies and observations, the findings identified several appropriate spaces for rehabilitation, research, and education purposes. The spaces for rehabilitation area are coral husbandry and coral propagation. Spaces for research are coral labs, and education is a coral gallery, coral bookstore, and coral adoption area.

All in all, 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 honest feedback is most welcome by our editorial board.

Prof. Dr Mansor Ibrahim
Editor-in-Chief
ISSUE 2, 2021