

EDITORIAL

Assalamu'alaikumwarahmatullahiwabarakatuh

In the previous issue 1 of Volume 6, 2024, the publication presented nine (9) papers addressing numerous subjects, challenges and solutions in the form of design concepts pertaining to the built environments. In this second issue of Volume 6, 2024, the publication presented eight (8) papers dedicated to case studies comprising academicians, final year studio projects, multidisciplinary projects and the design thesis of the students guided and supervised by the lecturers.

The first paper, Sarawak Design Incubation Centre: Spurring Sarawak Timber Economic Growth Through Innovation and Empowerment by Dayang Damia Batrisyia Abang Arabi, Nayeem Asif and Zuraini Denan. The study explores the application of Sarawakian imprints in contemporary architecture, focusing on timber products that reflect this heritage. The decline of Sarawak's timber industry necessitates the proposed project. Through the unique design approach, this paper illustrates the significance of creating a dedicated space to revitalise the timber economy and promote cultural heritage, ensuring that the legacy of Sarawak's traditional craftsmanship is preserved for future generations.

The second paper entitled The Hive Bicycle Hub Design by Nur Affah Mohyin, Asiah Abdul Rahim, Nur Ulfah Awatif Umairah Alias, Fadzli Irwan Bahrudin and Roziha Che Haron. As part of the International Islamic University Malaysia commitment for a bike-friendly campus environment, this research seeks to identify a comprehensive design approach for a bicycle hub facility that resolves bicycle users' issues, such as bicycle safety and storage facilities. Utilising a qualitative approach, data was gathered through case studies, surveys, and observations. A multidisciplinary KAED student group, comprised of architecture, quantity surveying, and applied arts and design students, collaborated to design the bicycle hub facility. The project is expected to significantly contribute to the university's green initiatives and create a model for other institutions aiming to adopt similar bike-friendly strategies.

As for the third paper by Aina Shafira Mohd Basir, Sufian Hamat, Nur Ulfah Awatif Umairah Alias and Zuraini Denan entitled Empowering Small-Scale Fisherman: Sustainable Development Strategies of Fish Center in Batu Maung, Penang. The fishery sector in Batu Maung, Penang, plays a significant role in the local economy and cultural identity, with small-scale fishermen serving as one of the vital contributors. This paper provides an overview of a socio-economic analysis conducted to understand the dynamics and challenges faced by small-scale fishermen in Batu Maung and their impact on the broader fishery sector in the country. Efforts in addressing these challenges and leveraging local strengths for greater benefits may assist the fishery sector in Batu Maung to achieve greater socio-economic development, environmental sustainability, and cultural preservation, ensuring the long-term well-being of small-scale fishermen and the broader community.

The fourth paper by Wan Noor Syahira Wan Zulkifli*, Shamzani Affendy Mohd Din and Nurlelawati Binti Abd Jalil entitled Preserving Rumah Tiang 12, Kelantan Through Digital Informative Interactive Exhibition: Mutia Kita. The project dedicated to the digital preservation and presentation of traditional Malay houses, aiming to raise awareness of their cultural and architectural significance. The primary objective of the project is to educate the public on the role traditional Malay houses play in expressing and preserving the identity of Malay culture. The final product, developed using PowerPoint, serves as an interactive platform where visitors can explore the houses' unique design, context, and conservation efforts digitally.

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The fifth paper entitled *Seniman Bernyala: Digitizing and Experimenting The Motif of Artworks For Immersive Experience*: Syed Ahmad Jamal by Nurkhairiah Sabrina Noorizam*, Nurllelawati Ab. Jalil and Shamzani Affendy Mohd. Din. This study focuses on methods for digitizing the works of renowned local artist Syed Ahmad Jamal, with the goal of creating an immersive exhibition to ensure the long-term preservation and sustainability of his art. The study aims to preserve the artworks of local artists by digitizing them in a way that faithfully reflects their intended meanings and philosophies. The collected data was analysed to inform the development of the final output: an immersive exhibition titled *Seniman Bernyala*.

The sixth paper by Nur Jannah Najihah Saleem, Amirah Adlina Muhamad Salehuddin, Mohd Fairullazi Ayob and Sufian Hamat on *Jalanan: Enhancement Project of Resource Centre in KAED, IIUM Through The Concept of Interconnectedness*. The KAED Resource Centre confronts challenges due to neglect, which limits its impact on learning and research productivity. The project intends to enhance the Resource Centre's visibility and accessibility, therefore encouraging increased participation among educators as well as students. The goals are to raise awareness of its services, to enhance physical and digital access to resources, and to provide a friendly environment that promotes cooperation and learning. Ultimately, this initiative seeks to make the KAED Resource Centre a more effective and engaging focus for academic and research excellence among the KAED community.

The seventh paper entitled *Revitalising Historical Edutourism Through Outdoor Learning Experience in Nibong Tebal, Pulau Pinang* by Muhammad Hanif Kamarudin, Khalilah Zakariya and Jamilah Othman. Outdoor learning experience (OLE) can be a promising method to augment learning experiences with regards to learning about history and culture. However, implementing the outdoor learning concepts becomes challenging for most historical sites due to the need for conservation and preservation. Historical buildings and cultural practices in Nibong Tebal are currently underappreciated as heritage assets. This research aims to explore historical outdoor learning concepts to promote the heritage of Nibong Tebal for edutourism. The finding revealed that there is a potential to establish an outdoor learning space with some improvements on the natural and built assets of the town.

The eight paper entitled *Freshwater Fisheries Research and Discovery Centre: Rejuvenation of Native Species* by Muhammad Faiz Solihin Sulaiman and Zeenat Begam Yusof. The increasing presence of invasive species in Malaysia's river such as Pahang River poses a significant threat to these native populations, reducing biodiversity and disrupting the river ecosystems. This research explores the challenges faced by native freshwater fish in Malaysia's rivers due to invasive species. The proposed centre will focus on increasing the populations of native fish species through dedicated research, scientific breeding programs, habitat restoration, and strategic reintroduction efforts. By conducting advanced research, the centre aims to develop effective methods for the propagation and conservation of native species.

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