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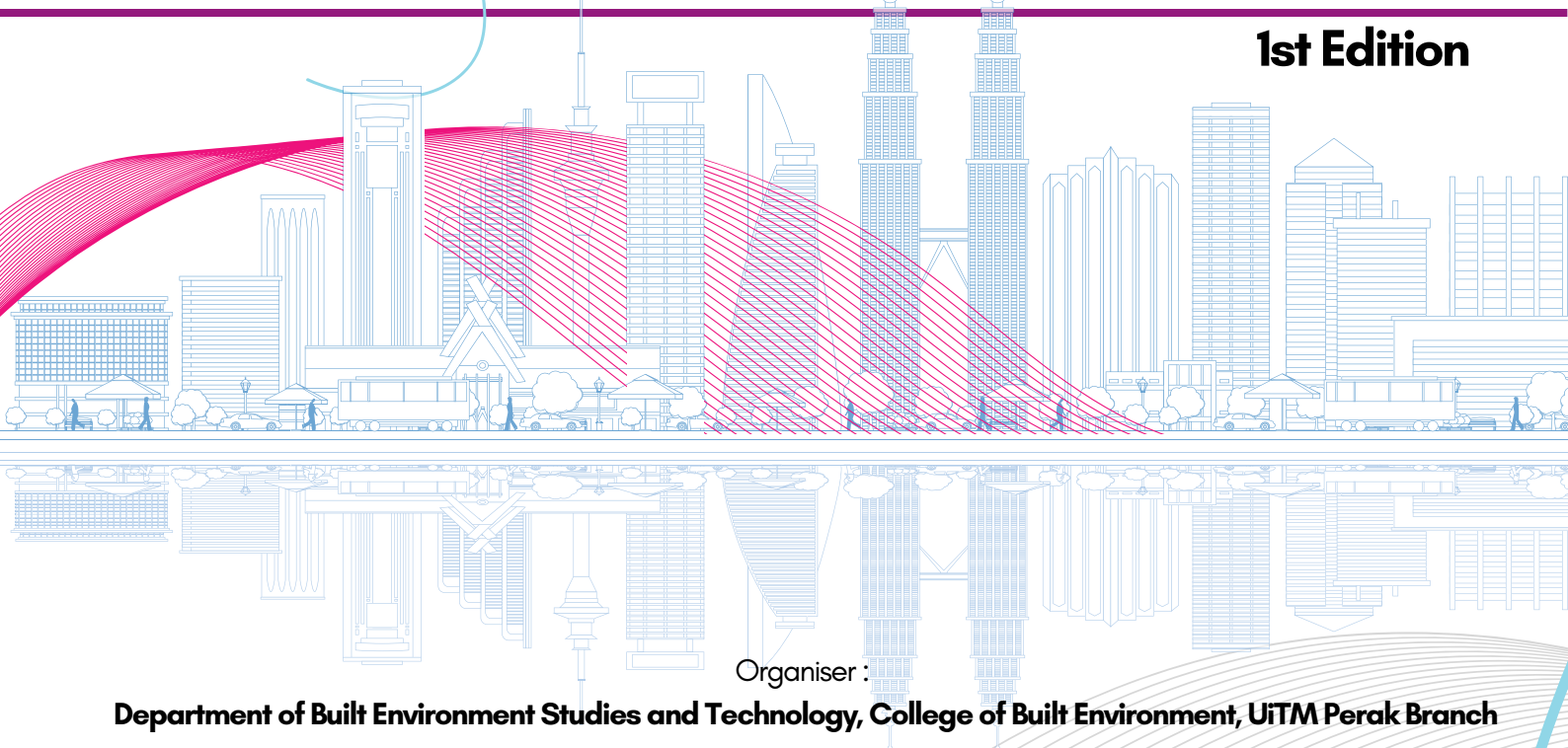
Cawangan Perak

e - Proceedings



Proceeding for International Undergraduates Get Together 2024 (IUGeT 2024)
"Undergraduates' Digital Engagement Towards Global Ingenuity"

1st Edition



Organiser :

Department of Built Environment Studies and Technology, College of Built Environment, UiTM Perak Branch

Co-organiser :

INSPIRED 2024. Office of Research, Industrial Linkages, Community & Alumni (PJIMA), UiTM Perak Branch

Bauchemic (Malaysia) Sdn Bhd

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Student's Pop-up Pavilion: A Storytelling Space of Keris

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ABSTRACT

This pop-up pavilion proposes an immersive experience that transports visitors into the appreciation of Malay heritage, offering a unique blend of greenery, tranquillity, and artistry. By spotlighting ancient Malay weaponry of Keris partial of UiTM symbolism, the pop-up pavilion aims to revitalize interest in the nation's rich heritage. The architectural design will seamlessly integrate traditional Malay elements with contemporary exhibition techniques, creating a dynamic and engaging space. The pavilion will not only showcase the physical attributes of these heritage weapons but also delve into their historical significance, and craftsmanship associated with them. Through interactive displays and storytelling, visitors will gain a deeper appreciation for the bravery and ingenuity of Malay warriors. Ultimately, this pop-up pavilion seeks to inspire a new generation to explore and preserve Malaysia's cultural legacy.

KEYWORDS: Pop-up, pavilion, keris, student, UiTM

DESIGN DESCRIPTION

The Student's Pop-up Pavilion concept was born out of an initiative to regenerate the unutilized park of UiTM lakeside recreational area in order to benefit UiTM and the local community. After the identification of the site at UiTM Perak front gate, and the subsequent active group consultation, a "storytelling space" among greenery was conceptualized. In form, the project consists of various iterations of a timber installation with a modular structure which allows it to be cut easily and tailored to site-specific dimensions. The "park" continues to be a well-used space with regular public programming. This pop-up pavilion serves as a dynamic platform to exhibit an array of ancient Malay weaponry, with a specific focus on the iconic Keris. The architectural form itself draws inspiration from the Keris, symbolizing the heart of the exhibition. To foster an immersive experience, a dedicated small workshop area is incorporated, allowing visitors to engage in hands-on activities simulating the Keris-making process. The target user comprises a diverse demographic, encompassing locals, the UiTM community, and tourists. To optimize visitor comfort and spatial efficiency, the pop-up's design is rooted in a thorough contextual analysis. Strategic placement of openings within the prevailing wind path ensures optimal cross-ventilation, enhancing the overall visitor experience. This architectural approach not only showcases the cultural significance of Malay weaponry but also provides opportunities for interactive learning and appreciation. The student's pop-up pavilion is composed of three separate spaces with a common connecting platform. The pavilion is designed containing the main pavilion, a workshop pavilion, and a stage pavilion while simultaneously giving new meaning to the architectural concept of "timber modular construction". With spaces for Keris martial arts performances, mini-exhibitions, and a place to gather, the project serves as a social catalyst for unplanned low-threshold events like mini gathering and learning activities in its location in the UiTM park near

the lakeside of Seri Iskandar, a town of Perak. Metaphorically, Keris the heritage weapon served as a major inspiration for the project.

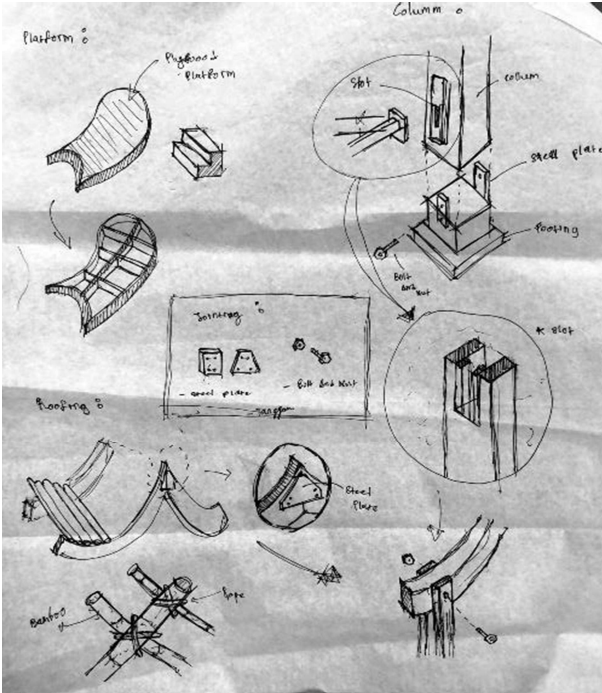


Figure 1: Sketches of Pop-up Installation Arrangement

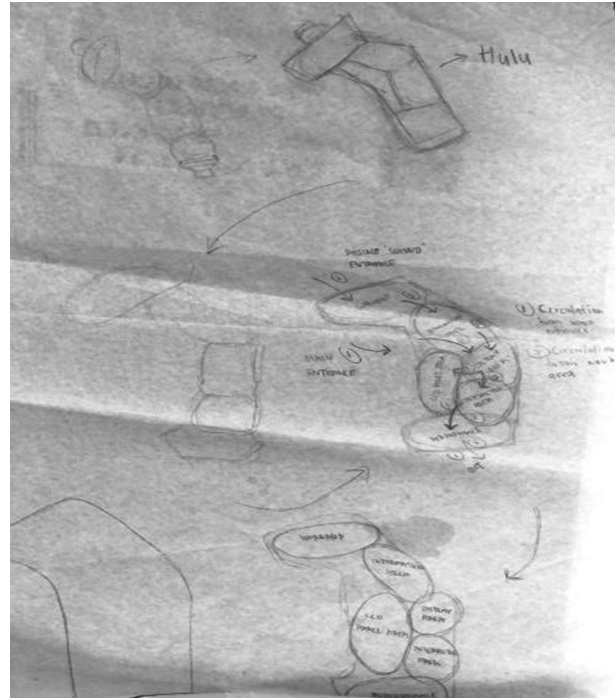


Figure 2: Diagram of Pop-up Space

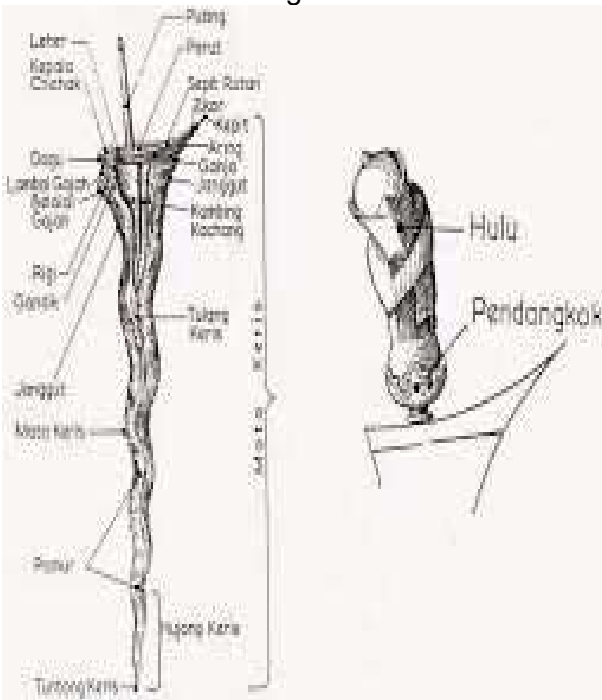


Figure 3: Diagram of Keris Component

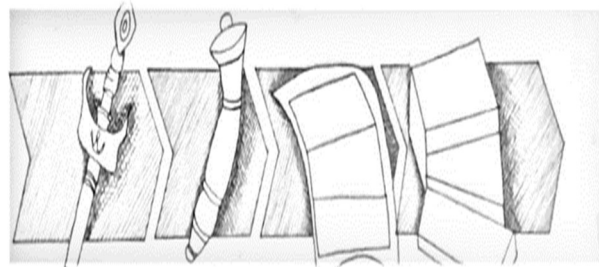


Figure 4: Diagram of Design Morphology

NOVELTY AND UNIQUENESS

The pop-up's form is an architectural interpretation of the Keris, a royal ancient weapon, reflecting the exhibit's purpose of showcasing this cultural artefact. Constructed primarily from timber, a material synonymous with traditional Malay architecture, the interior spatial arrangement is also inspired by the Keris, symbolizing the strength, sovereignty, and majesty associated with the purpose of serving knowledge for students. This integration of form, material, and spatial planning creates a cohesive and immersive experience that encapsulates the essence of the exhibit.

BENEFITS TO MANKIND

The pop-up pavilion is anticipated to draw significant visitor interest, thereby stimulating economic growth for local businesses. It provides a platform for Malay ancient weapon artisans to showcase and promote their craft. As an educational resource, the pavilion is expected to attract university students, school groups and foster a deeper understanding of Malay history and culture among young people. The event will indirectly promote the region's cultural heritage, tourism potential and at the same time promote UiTM as a university that is exclusive for only locals. Ultimately, the pop-up aims to raise awareness about the importance of preserving and appreciating Malaysia's rich historical legacy.

COMMERCIAL POTENTIAL

A mini-exhibition of the pop-up pavilion showcasing ancient weaponry holds substantial commercial promise. Direct revenue can be generated through merchandise sales, and sponsorships. Indirectly, the pavilion can boost tourism and support local artisans while educating the public through silat martial arts lessons that assimilate with Keris. While requiring significant initial investment, the long-term benefits include destination branding of UiTM Malay Ancients weaponry products, community engagement, and educational opportunities. This Pop-up pavilion designed for universal usability often prioritizes modularity, lightweight materials, and intuitive assembly. It employs interlocking components or tension-based systems, enabling rapid setup and dismantling without specialized tools or labour. Their adaptable configurations cater to diverse site conditions and functions, making them suitable for a wide range of temporary applications, from retail spaces and event venues. Key considerations include structural integrity, environmental impact, and transportation efficiency.

CONCLUSION

This pop-up pavilion proposes an informative journey to the locals, spotlighting ancient weaponry to revitalize heritage interest. The architectural design blends traditional Malay elements with contemporary exhibition techniques, creating a dynamic space to showcase weapons and their cultural significance. Interactive experiences and storytelling immerse visitors in Malay history, inspiring a new generation of cultural preservationists. The pop-up pavilion focuses on the Keris, reflected in the building's form and a dedicated workshop. Targeting locals, students, and tourists, the design prioritizes comfort and spatial efficiency through contextual analysis and natural ventilation. As an architectural interpretation of the Keris, the pop-up is constructed primarily from timber. The pavilion is anticipated to attract visitors, stimulate the local economy, and promote Malay heritage, while offering commercial potential through merchandise, and sponsorships. However, it requires careful planning and partnerships to overcome challenges and ensure long-term sustainability.

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REFERENCES

- Ching, F. (2011). Building Construction Illustrated. John Wiley & Sons.
- Ernst Neufert, Neufert, P., & Johannes Kister. (2012). Neufert. Wiley-Blackwell.
- Francis. (2023). Architecture: Form, Space, and Order. John Wiley & Sons.
- Harding, A. (2002). The keris, the crescent and the blind goddess: the state, Islam and the constitution in Malaysia. Sing. J. Int'l & Comp. L., 6, 154
- Meranggi, Y. (2019). Introduction of Keris; An Ancient Weapon from Asian Peninsula. Bali Tourism Journal, 3(1), 22-25.
- Yusof, N. A., Haron, H., Keng, L. K., & Mamat, M. (2022). The Philosophy of Keris Design in Malay Civilization.

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SITI BASRIYAH SHAIK BAHARUDIN
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Setuju.

27.1.2023

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