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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**

**Universitas Sebelas Maret**

**Universitas Tridinanti (UNANTI)**

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## Lipatan Sutera

Alia Athira Zul Sham Azlimi<sup>1</sup>, Nor Amiruddin Daniel Nor Azizi<sup>2</sup>, Aisyah Nursarah AB. Rahman<sup>3</sup> & Farid Al Hakim Yuserrie<sup>4\*</sup>

<sup>1,2,3,4</sup>Department of Built Environment Studies & Technology, College of Built Environment, Universiti Teknologi MARA (UiTM) Perak, 32610 Seri Iskandar, Perak, Malaysia

\*farid933@uitm.edu.my

### ABSTRACT

This design aims to create a pop-up learning space dedicated to exploring the artistry of Malay royal accessories. This sustainable structure harmoniously blends the warmth of timber with contemporary design to create an inviting atmosphere for students. The pop-up aims to educate and inspire, offering a unique platform to appreciate the intricate details and cultural significance of these traditional treasures. The pop-up will engage students through interactive displays and workshops showcasing Malay royal accessories. Site analysis informs passive design strategies like natural ventilation, shading devices, and material selection. Timber's thermal properties and aesthetic appeal align with the project's educational and sustainable goals, creating an immersive learning environment that connects students with Malaysia's rich heritage. The site analysis revealed optimal evening conditions, aligning with student activity patterns. A focus on interactive displays, informed by student feedback, will enhance engagement with Malay royal accessories, ensuring the pop-up becomes an effective educational platform. Hence, it is crucial to preserve and promote Malay heritage by offering an interactive platform for students to explore the artistry of royal accessories, fostering cultural appreciation and understanding.

**KEYWORDS:** Learning space, malay traditional accessories, inspired by tengkolok, interactive experience, sustainable design

### DESIGN DESCRIPTION

This pop-up is conceived as a dynamic and immersive space that celebrates the timeless beauty and cultural significance of the Malay tengkolok and other traditional accessories. Inspired by the intricate folding process of the tengkolok, the architecture unfolds as a series of interconnected volumes, creating a sense of discovery and wonder. The pop-up's structure is primarily composed of sustainable timber, chosen for its warmth, versatility, and ease of assembly. Varying floor levels create distinct zones, enhancing the spatial experience and guiding visitors through the retail journey. The integration of louvred elements facilitates natural light and ventilation, creating a welcoming and airy atmosphere. This design aims to bridge the gap between tradition and modernity, appealing to both heritage enthusiasts and contemporary fashion-conscious consumers. By showcasing the tengkolok in a fresh and innovative context, the pop-up aspires to inspire a new generation to appreciate and incorporate these cultural treasures into their everyday lives. The pop-up will serve as a platform for education and engagement, offering opportunities for workshops, demonstrations, and interactive experiences. Ultimately, the Lipatan Sutera Pop-Up is more than just a retail space; it is a cultural catalyst, revitalizing interest in Malay heritage while providing a unique and memorable shopping experience.



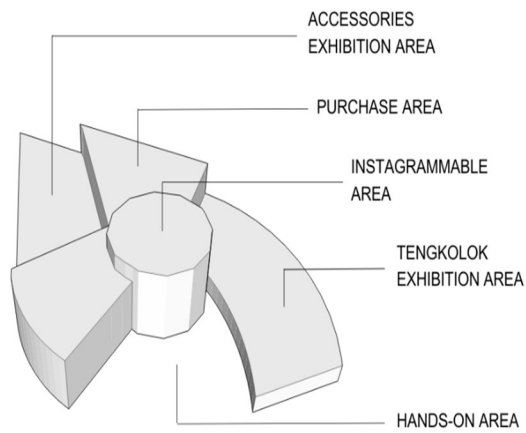


Figure 1: Zoning diagram

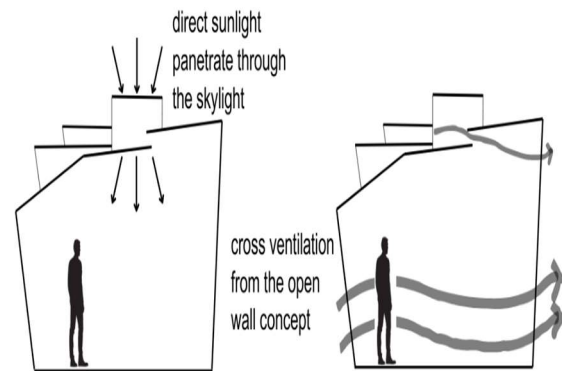


Figure 2: Passive design strategies



Figure 3: Exteriors

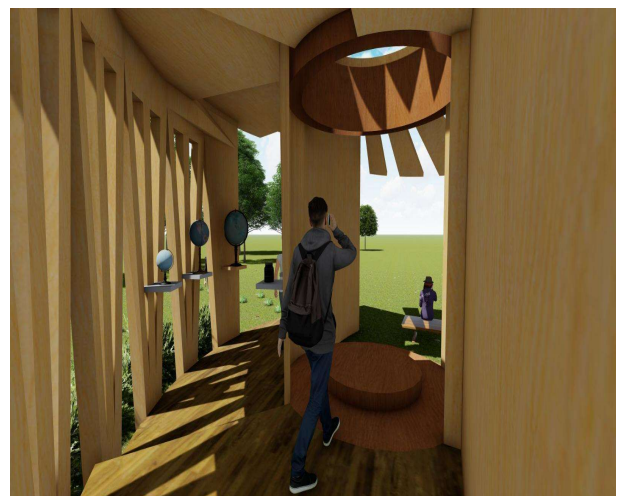
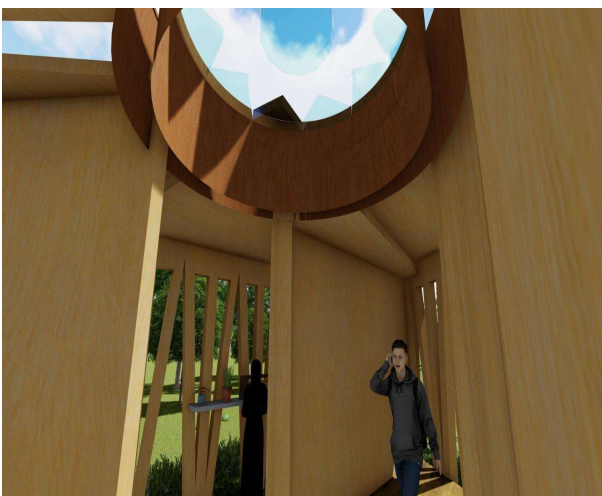


Figure 4: Interiors

## **NOVELTY AND UNIQUENESS**

The pop-up offers a novel approach to learning about Malay royal accessories, its unique blend of traditional Malay aesthetics and contemporary design fosters a stimulating environment for students. The incorporation of sustainable timber materials demonstrates a commitment to environmental responsibility. The dual-entry system introduces a dynamic learning pathway, encouraging exploration and culminating in a shared celebration of Malay heritage at the central gathering point. This spatial arrangement enhances student engagement and fosters a sense of community. Additionally, the Instagrammable area, bathed in natural daylight, creates a visually appealing space that aligns with the preferences of the target student demographic. This innovative concept transforms the learning process from passive consumption of information to an active and enjoyable exploration of Malay heritage.

## **BENEFITS TO MANKIND**

The pop-up embodies principles of tropical regionalism by prioritizing human comfort and environmental sustainability. Its design addresses critical issues such as energy consumption and climate adaptation. Natural ventilation and lighting enhance indoor air quality and reduce reliance on artificial systems. The dual entrances optimize air circulation, creating a healthier indoor environment. The innovative roof design effectively manages rainwater, mitigating flooding risks and conserving water resources. By demonstrating the potential of sustainable and responsive architecture, the pop-up contributes to a broader understanding of tropical design strategies.

## **COMMERCIAL POTENTIAL**

A comprehensive assessment of the pop-up booth venture necessitates a meticulous evaluation of various factors. Market demand for Malay royal accessories education is among the students of UITM Seri Iskandar. Sustainable timber design with unique interactive displays with ergonomic design for the comfort of visitors is crucial in attracting students. Scalability and growth potential based on findings on students' interests play a big role in the design. Adherence to relevant regulations such as the ergonomic space regulation that plays with mood can increase visitors' experience hence achieving the goal of educational purpose.

## **CONCLUSION**

The Timber Retreat effectively combines traditional Malay aesthetics with contemporary design to create an immersive learning space dedicated to royal accessories. Key findings highlight the importance of interactive displays and optimal evening conditions for student engagement. The pop-up's sustainable timber construction and innovative spatial layout enhance the learning experience. By fostering cultural appreciation and understanding, the retreat demonstrates the commercial potential of blending heritage with modern design. Future research could explore the long-term impact on students' cultural awareness and the potential for scaling the concept to other heritage themes.

## **ACKNOWLEDGEMENT**

We, the members of this project, would like to extend our deepest gratitude to all the individuals who contributed to the success of this project. This journey has been one of the best learning experiences and we enjoy the process from the very beginning to the end. First and foremost, we express our sincere thanks to the lecturers, especially our mentor, En. Farid Al Hakeem Bin Yuserrie, whose guidance, and expertise in bringing this project towards its completion. His insights and feedback were invaluable, and his encouragement motivated us to excel.

Special appreciation goes to our classmates and peers who participated by giving their thoughts. Their willingness to contribute their time added depth and authenticity to our work. Lastly, we extend our gratitude to each other, the members of this project. This project was a collaborative effort that required dedication, compromise, and understanding to achieve towards the end.

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Prof. Madya Dr. Nur Hisham Ibrahim  
Rektor  
Universiti Teknologi MARA  
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Sekian, terima kasih.

**"BERKHIDMAT UNTUK NEGARA"**

Saya yang menjalankan amanah,

**SITI BASRIYAH SHAIK BAHARUDIN**  
Timbalan Ketua Pustakawan

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*Setuju.*

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