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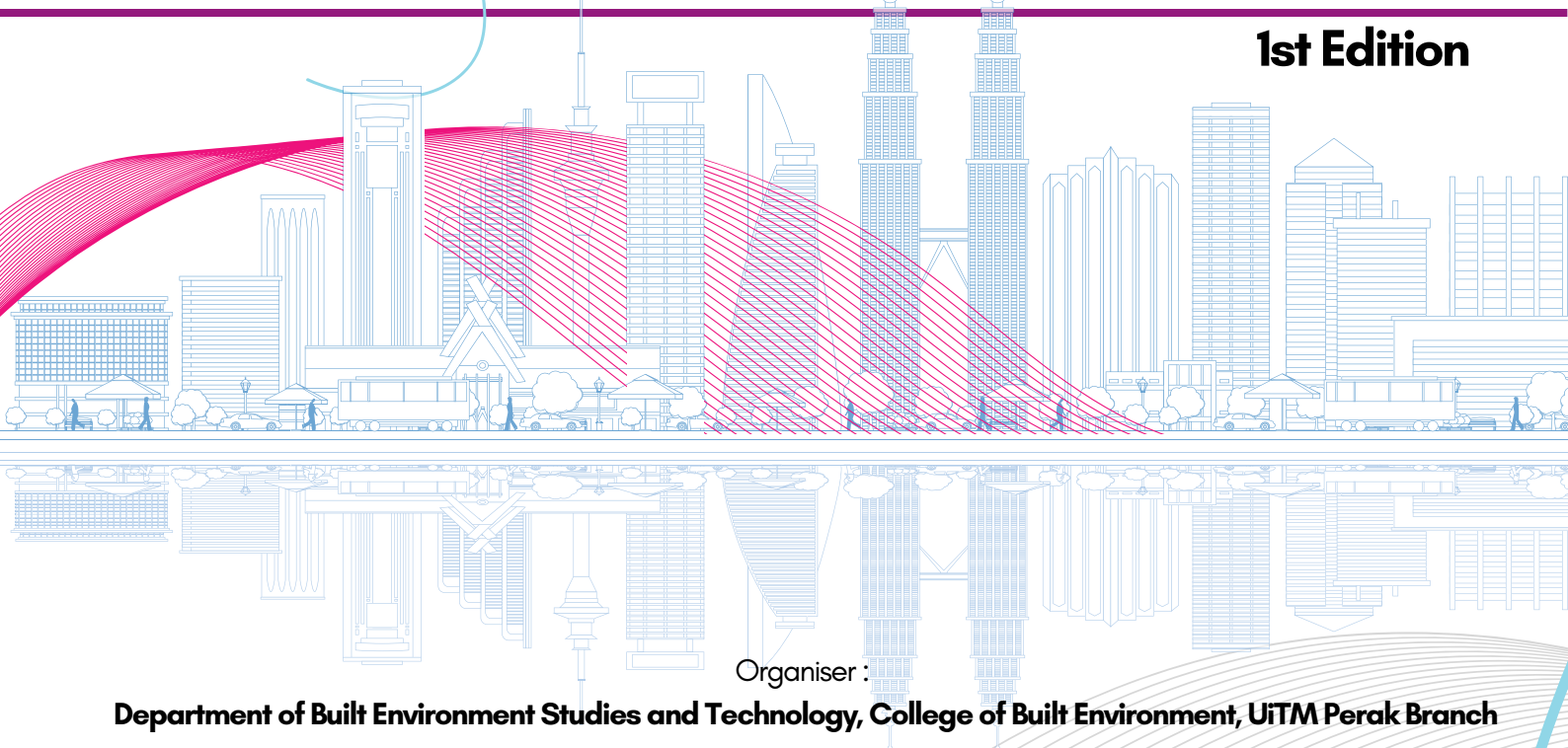
Cawangan Perak

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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Publication date :

October 2024

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Perpustakaan Negara Malaysia

Cataloguing in Publication Data

No e- ISBN:

e-Proceeding IUGeT 2024 1st Edition

e ISBN 978-967-2776-40-6



Unit Penerbitan UiTM Perak.

Cover Design: Muhammad Anas Othman
Typesetting : Arial

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Cucuk Sanggul Monument

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ABSTRACT

Designing public seating requires a thoughtful approach that considers both functionality and aesthetics while addressing the diverse needs of users and the specific context of the environment. The intriguing combination of natural wood materials and modern design features is found in Fusion Timber furniture. It represents the union of classic craftsmanship and contemporary design, which are aesthetically pleasing and useful. Every piece of fusion timber furniture is an artistic expression of the designer's inventiveness, which combines novel forms, textures, and finishes with the natural beauty of wood. Fusion timber furniture's capacity to inspire a sense of harmony between modernism and nature is one of its primary attributes. Fusion timber furniture embraces the clean lines and geometric shapes of contemporary design. Meanwhile, celebrating the warmth and character of wood by combining organic materials like wood into sleek, minimalist designs or bold, abstract compositions. Furthermore, fusion timber furniture requires many techniques including carving, bending, and stacking to produce dynamic and sculptural forms, showcasing the plasticity of wood as a medium. Fusion timber furniture pieces are multipurpose and artistic pieces that enhance the atmosphere of any area they occupy, whether it's a striking dining table, a sculptured lounge chair, or a simple shelving unit. Overall, mixed Timber furniture offers a distinctive and alluring interpretation of modern design that pays tribute to the enduring charm of natural materials. It is a compelling mix of heritage and innovation to maintain sustainability.

KEYWORDS: Designing public seating, fusion timber furniture, aesthetically pleasing and useful, natural materials, sustainability

DESIGN DESCRIPTION

To design public outdoor seating areas that are friendly, and comfortable, and encourage interaction among people, careful consideration of durability, utility, and aesthetics must be taken. The main purpose of our innovative design is to transform outdoor spaces while offering a harmonious fusion of sustainability, functionality, and aesthetic appeal. The seating space is arranged thoughtfully to suit different party sizes and tastes. Selected wood components give the space a rustic appeal and foster a welcoming ambiance that encourages socialising and rest. Both comfort and ergonomics are considered in the design of seating components. Their backs are supportive, and their contours are moulded. Materials selected for the seating elements are durable, weather-resistant, and easy to maintain to withstand outdoor conditions and heavy use. The design seamlessly integrates with the surrounding natural environment, incorporating elements like trees, shrubs, and landscaping to provide shade, visual interest, and a sense of tranquillity. Natural materials such as wood, stone, or recycled materials will blend the seating area with its surroundings. The seating design embraces sustainable practices by using environmentally friendly materials, incorporating energy-efficient lighting, and minimising water usage in landscaping. Overall, the public outdoor seating design creates inviting, functional, and

inclusive spaces that foster community interaction, enjoyment of the natural environment, and a sense of belonging for all visitors.



Figure 1: Front view perspective



Figure 2: Side view perspective



Figure 3: Top view perspective

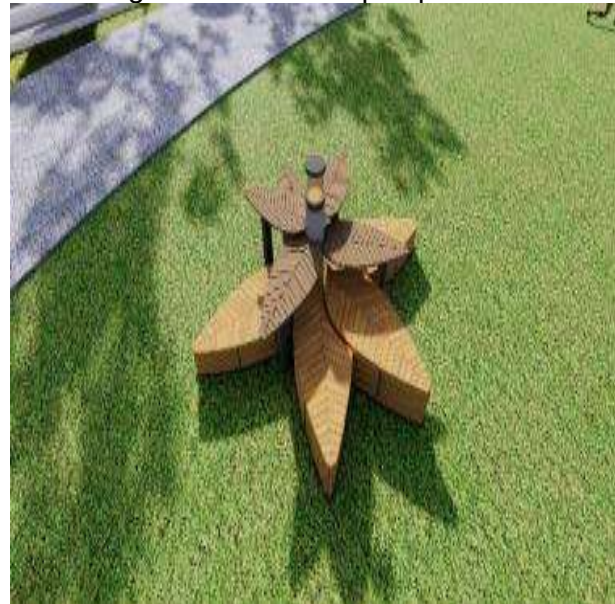


Figure 4: Isometric view perspective

NOVELTY AND UNIQUENESS

This Cucuk Sanggul monument represents a unique motive and design approach to public space by seamlessly integrating timber aesthetics with selected wood material, offering a mixture of modern and traditional elements in the design. In addition, our concept aims to preserve style, utility, and sustainability. We intentionally blend cutting-edge technologies with environmentally friendly materials to produce a genuinely one-of-a-kind outdoor environment that encourages responsible living and raises the bar for contemporary outdoor areas.

BENEFITS TO MANKIND

With sustainable approaches of using renewable resources like wood and stainless steel our design transforms public places while addressing pressing environmental issues. In addition, it promotes a healthier, greener environment and drastically lowers carbon footprints by promoting an eco-friendly lifestyle. A greener environment is another benefit. Innovative materials and technologies are also incorporated to improve users' quality of life by creating a comfortable and useful area for socialising, learning, and leisure. In terms of economy, the design supports regional industries by using sustainable materials and encourages cost savings via energy efficiency.

COMMERCIAL POTENTIAL

Our design considered the size and market demand, handling the increasing need for environmentally friendly environments in public areas and satisfying the needs of a diverse user base. Its unique integration of renewable material with timber appeal gives it a competitive edge over conventional designs. The way we operate is focused on sustainability and has the potential to be widely implemented in a variety of situations. Cost analysis shows that operating efficiency and energy savings lead to high-profit margins. The adherence to environmental standards is ensured by regulatory compliance and certifications, and our intellectual property strategy protects our distinctive design components.

CONCLUSION

By emphasizing the significance of design in public and academic environments, highlighting how eco-friendly components and comfortable positions can develop a sense of community. These findings show how important design is to increasing social engagement and well-being. These spaces could be made more accessible to users in the future by introducing innovations, changing the seating designs, and ranging and including more environmentally friendly elements.

ACKNOWLEDGEMENT

We would like to take this opportunity to express our heartfelt gratitude to all those who have contributed to the realisation of this project. First and foremost, I extend my deepest thanks to my team, for their invaluable guidance, support, and unwavering encouragement throughout every stage of this endeavour. Their expertise and mentorship have been instrumental in shaping the direction of this project and fostering my growth as a professional and their innovative designs and attention to detail have transformed ordinary spaces into inviting and functional seating areas that enhance the beauty and character of our surroundings.

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Surat kami : 700-KPK (PRP.UP.1/20/1)

Tarikh : 20 Januari 2023

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Sekian, terima kasih.

"BERKHIDMAT UNTUK NEGARA"

Saya yang menjalankan amanah,

SITI BASRIYAH SHAIK BAHARUDIN
Timbalan Ketua Pustakawan

nar

Setuju.

27.1.2023

PROF. MADYA DR. NUR HISHAM IBRAHIM
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