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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)**

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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## Zenith Oasis

Noor Aina Farisha Ibrahim<sup>1\*</sup>, Abdul Hamid Mohamed<sup>2</sup>, Dianna Nur A'ain Saidi, Afzanizam Muhammad<sup>3</sup>

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

\*2021894946@student.uitm.edu.my

### ABSTRACT

In the realm of outdoor furniture design, fusion timber represents a pivotal convergence of aesthetic innovation and sustainability. This abstract investigates the transformative potential of fusion timber in redefining outdoor furniture as both visually captivating and environmentally responsible. Through an analysis of design processes, material sourcing, and manufacturing techniques, this study elucidates how fusion timber integrates seamlessly into the creation of outdoor furniture that transcends mere functionality to embody principles of ecological stewardship. By examining industry trends and consumer preferences, this abstract emphasizes the growing importance of fusion timber as a catalyst for sustainable design practices in the outdoor furniture sector. Through its unique blend of natural beauty and environmental consciousness, fusion timber emerges as a cornerstone in reshaping the landscape of outdoor furniture, offering a compelling synthesis of form, function, and sustainability. This abstract thus highlights the pivotal role of fusion timber in advancing the dialogue on responsible design and underscores its potential to revolutionize the way we perceive and interact with outdoor spaces.

**KEYWORDS:** Fusion timber, outdoor furniture, sustainability, design innovation, environmental stewardship

### DESIGN DESCRIPTION

Our outdoor furniture collection embodies a harmonious fusion of contemporary design principles and sustainable materials, creating a visually striking and eco-conscious ensemble for outdoor spaces. Each piece is meticulously crafted with meticulous attention to detail, reflecting our commitment to both aesthetic excellence and environmental stewardship. The design ethos behind our collection revolves around the seamless integration of form and function, where every curve, angle, and texture is purposefully considered to maximize both visual appeal and usability. Drawing inspiration from modernist influences, our designs feature clean lines, minimalist silhouettes, and versatile configurations, ensuring that each piece effortlessly complements a variety of outdoor settings. Central to our design philosophy is the conscious selection of materials that prioritize sustainability without compromising on quality or durability. We have opted for fusion timber as the primary material for our outdoor furniture, harnessing its innate beauty, strength, and eco-friendliness to create pieces that are as aesthetically pleasing as they are environmentally responsible. Fusion timber, a composite material composed of sustainably sourced wood fibres and recycled polymers, offers the perfect balance of natural warmth and modern resilience. Its unique composition allows for intricate detailing and sculptural forms while ensuring resistance to weathering, rotting, and insect damage, making it an ideal choice for outdoor furniture that is built to withstand the elements. Moreover, our design process emphasizes modularity and versatility, enabling customers to customize their outdoor spaces according to their preferences and needs. Whether it's a cozy lounge area for intimate gatherings or a spacious



dining setting for al fresco meals, our collection offers an array of modular components that can be easily rearranged and adapted to suit different occasions and environments. In summary, our outdoor furniture collection represents a harmonious blend of design innovation, sustainability, and functionality. From the sleek lines of our lounge chairs to the robust elegance of our dining tables, each piece is crafted with care and consideration, inviting users to experience the beauty of outdoor living in a manner that is both stylish and eco-conscious.



Figure 1: Zenith Oasis

### NOVELTY AND UNIQUENESS

Zenith Oasis redefines outdoor seating with innovative materials, organic forms, and Zen-inspired principles, creating a tranquil environment for reflection and connection with nature. Unlike conventional designs, it prioritizes both aesthetics and sustainability, incorporating ergonomic seating and eco-friendly materials sourced from renewable sources. Multifunctional and adaptable, it caters to various activities, from solitary contemplation to group gatherings, offering a unique and transformative experience that sets it apart from existing solutions.

### BENEFITS TO MANKIND

Zenith Oasis revolutionizes outdoor seating, nurturing critical thinking through its tranquil setting, fostering reflection and creativity. Its ergonomic design enhances quality of life, promoting comfort and relaxation. Sustainability is paramount, with eco-friendly materials minimizing environmental

impact. Economically, it offers durability and longevity, reducing long-term costs. Educational benefits arise from its adaptable nature, facilitating diverse learning environments. Socially, it cultivates community interaction and cohesion, serving as a gathering space for shared experiences. Culturally, its Zen-inspired elements encourage mindfulness and cultural appreciation, enriching the human experience. In essence, Zenith Oasis transcends mere seating, offering a holistic environment that positively impacts individuals and communities alike.

## **COMMERCIAL POTENTIAL**

Key considerations for Zenith Oasis encompass assessing market demand and size, identifying competitive advantages, and refining the business model for sustainability. Scalability ensures adaptability to varying market dynamics, while rigorous cost analysis optimizes resource allocation. Profit margins hinge on efficient operations and value proposition. Regulatory compliance and certifications underscore commitment to quality and safety. An intellectual property strategy safeguards innovations and secures market position. By integrating these elements cohesively, Zenith Oasis establishes a robust foundation for market entry and long-term success in the outdoor seating industry.

## **CONCLUSION**

To summarise, Zenith Oasis is a pioneering solution in outdoor seating design, blending innovative materials, ergonomic principles, and sustainable practices to create a transformative user experience. Its holistic approach not only enhances comfort and well-being but also fosters environmental stewardship and community engagement. Future directions may include expanding product lines to cater to diverse market segments, exploring partnerships for broader distribution channels, and conducting research to continually improve design efficacy and sustainability metrics. Additionally, fostering collaborations with educational institutions and cultural organisations can elevate the Oasis's impact, facilitating experiential learning opportunities and cultural exchange initiatives. Ultimately, Zenith Oasis stands as a beacon of innovation and inspiration, poised to shape the future of outdoor seating while leaving a positive imprint on individuals, communities, and the environment.

## **ACKNOWLEDGEMENT**

I would like to express my sincere gratitude to all those who have contributed to the realisation of this project. First and foremost, I extend my deepest appreciation to the dedicated lecturers whose creativity, hard work, and expertise have been invaluable throughout the design process. I am also grateful to our collaborators and partners for their support and shared commitment to innovation and sustainability. Additionally, I would like to thank our mentors and advisors for their guidance and insights, which have played a pivotal role in shaping the direction of this endeavour. Finally, I am immensely thankful to my family, friends, and loved ones for their unwavering encouragement and understanding. This project would not have been possible without the collective efforts and support of each individual involved, and for that, I am truly grateful.

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

Tarikh : 20 Januari 2023

Prof. Madya Dr. Nur Hisham Ibrahim  
Rektor  
Universiti Teknologi MARA  
Cawangan Perak



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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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CAWANGAN PERAK  
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