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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

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Universitas Tridinanti (UNANTI)

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Ketak Seating

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ABSTRACT

Fusion Timber could describe a modern approach to outdoor furniture design that combines the natural aesthetic and durability of timber with innovative techniques or materials for fusion and construction. This fusion timber concept likely involves blending traditional woodworking methods with contemporary materials or technologies to create outdoor seating solutions that are both stylish and functional. The abstract might explore aspects such as the sustainability of the timber source, the design principles driving the fusion process, and the intended benefits for users, such as comfort, longevity, and aesthetic appeal. Additionally, it may discuss how this fusion timber approach addresses challenges such as weather resistance, maintenance requirements, and environmental impact, making it suitable for a variety of outdoor settings, from urban parks to residential gardens.

KEYWORDS: Eco-friendly, sustainability, versatility, eco-conscious design, university environment

DESIGN DESCRIPTION

Ketak Seating redefines outdoor relaxation with its tranquil design concept, offering a haven of peace and comfort in any outdoor setting. Crafted with meticulous attention to detail, this seating ensemble combines modern aesthetics with functional excellence to create a versatile and inviting space for users to unwind and connect with nature. The square-shaped seating modules are arranged to encourage social interaction while providing flexibility for various seating configurations, making it ideal for both intimate gatherings and larger gatherings alike. The bench, ergonomically designed for optimal comfort, invites users to sink in and relax, while integrated side tables offer convenient surfaces for making work, drinks, snacks, or personal items. Constructed from durable timber, which is redwood for seating bench, chengal wood for a pole for the with a sleek, contemporary aesthetic, Ketak Seating not only enhances the visual appeal of outdoor spaces but also reflects a commitment to sustainability and eco-consciousness. Responsibly sourced timber materials ensure minimal environmental impact while providing long-lasting durability to withstand the elements year-round. Whether placed near UiTM entrance gate, Ketak Seating creates a serene and inviting atmosphere, promoting relaxation, socialization, and enjoyment of outdoor activities. Its elegant design, durable construction, and thoughtful features make it a standout choice for those seeking to elevate their outdoor experience.

NOVELTY AND UNIQUENESS

Ketak Seating revolutionizes outdoor relaxation with its modular design, allowing versatile configurations to suit various spaces and activities. Its integration of advanced technologies enhances functionality, offering adjustable lighting and storage options for user convenience. Crafted from redwood and chengal wood with a sleek aesthetic, it prioritizes sustainability while

providing long-lasting durability against the elements. This innovative approach to outdoor seating introduces a transformative experience, setting it apart from traditional solutions and redefining outdoor comfort and style.



Figure 1: View from entrance



Figure 2: View from seating



Figure 3: View from left elevation



Figure 4: View from rear elevation



Figure 5: Close up view 1

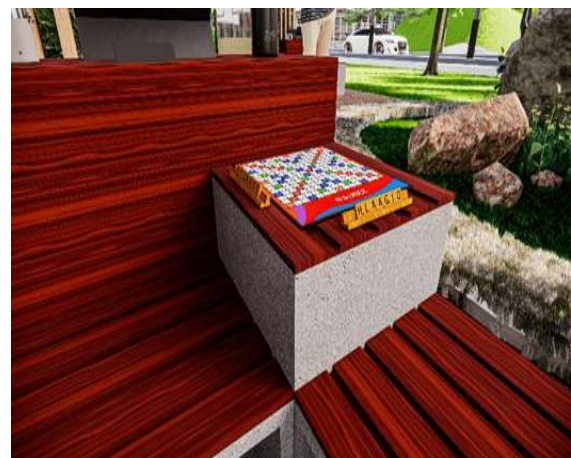


Figure 6: Close up view 2

BENEFITS TO MANKIND

Ketak Seating delivers a range of benefits across multiple dimensions. It tackles critical issues by providing adaptable outdoor spaces, enhancing quality of life in urban and natural environments. Its use of sustainable timber and eco-conscious design reduces environmental impact, fostering awareness of sustainability. Economically, it offers long-term savings through durability and local manufacturing opportunities, stimulating economic growth. As a platform for education, it promotes sustainable design principles and outdoor living practices. Socially, it fosters inclusivity and community engagement, while globally, it contributes to broader discussions on environmental stewardship. Locally, it enriches diverse settings, enhancing outdoor experiences and public spaces.

COMMERCIAL POTENTIAL

Key points to consider for Ketak Seating include assessing market demand and size to identify growth opportunities. Competitive advantage lies in its innovative design, sustainability focus, and customizable features. A viable business model should incorporate sales of seating units, maintenance services, and potentially licensing agreements. Scalability is crucial for meeting increasing demand and expanding market reach. Cost analysis should evaluate production, distribution, and marketing expenses against projected revenue. Profit margins depend on pricing strategies and operational efficiency. Regulatory compliance and certifications ensure adherence to safety and environmental standards. An intellectual property strategy safeguards unique design elements and innovations.

CONCLUSION

The key findings highlight the transformative impact of Ketak Seating in outdoor relaxation, addressing critical needs for adaptable, sustainable, and inviting spaces. Its innovative design, sustainability focus, and customizable features position it as a leader in the market, offering competitive advantage and significant growth potential. Moving forward, exploring partnerships with architects, landscape designers, and urban planners could expand market reach and enhance product integration in diverse settings. Continuous research and development efforts to incorporate emerging technologies and materials will further solidify Ketak Seating's position as a frontrunner in outdoor seating solutions, ensuring its continued relevance and impact in shaping outdoor environments for generations to come.

ACKNOWLEDGEMENT

We extend sincere gratitude to the talented design team whose creativity and dedication brought Ketak Seating to life. Special thanks to the skilled craftsmen and manufacturers for their commitment to quality. I'm thankful for the guidance of mentors and industry experts who provided invaluable insights. Our partnerships with suppliers, distributors, and collaborators have been crucial to our success. Finally, heartfelt appreciation goes to our customers whose feedback continues to drive improvement.

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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

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