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e - Proceedings



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

2nd 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 Tridianti (UNANTI)

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TimBa Nook

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ABSTRACT

TimBa Nook is a blend of timber and bamboo, referring to a small, cozy, and secluded space for reading. The name reflects the space's cozy and intimate nature, making it an appealing spot within the student hub. The "TimBa Nook" is an innovative student reading area that harmoniously combines timber and bamboo materials to create an eco-friendly, sustainable, and aesthetically pleasing environment. Positioned near a lake, this nook enhances the reading experience by integrating natural elements with functional design. The use of locally sourced timber and bamboo not only supports environmental sustainability but also adds warmth and character to the space. Key features include ergonomic seating, shaded areas, and a community book exchange system. The "TimBa Nook" serves as a model for how natural materials can be used to create both functional and beautiful public spaces.

KEYWORDS: Timber wood, bamboo, eco-friendly design, student reading area, sustainable architecture

DESIGN DESCRIPTION

The "TimBa Nook" is a thoughtfully designed student reading area that combines the natural beauty of timber wood and bamboo to create a serene and inspiring environment. The design focuses on sustainability, functionality, and community engagement, making it an ideal space for students to read, study, and connect with nature. The "TimBa Nook" was conceived as a peaceful retreat for students, offering a space where they can immerse themselves in reading or reflection while enjoying the natural surroundings. The design's primary goal is to foster a deeper connection between the user and the environment through the use of natural materials and open, inviting spaces. The nook features a combination of timber wood and bamboo materials, chosen for their durability, sustainability, and aesthetic appeal. The seating is designed with comfort in mind, using ergonomic shapes and soft cushions that encourage long periods of use. The area is shaded by a pergola made from bamboo, providing protection from the elements while allowing natural light to filter through. The inclusion of flowering pot hangings adds a touch of color and vibrancy to the space. The "TimBa Nook" is designed for year-round use, with materials that can withstand various weather conditions. The integration of bamboo and timber ensures that the structure is both sturdy and lightweight, making it easy to maintain and adapt to different settings. The space is also designed to be accessible, with clear pathways and seating arrangements that accommodate all users. The layout of the "TimBa Nook" is intuitive and user-friendly, with a focus on creating a seamless experience for users. The use of natural materials and earthy tones creates a warm and inviting atmosphere, while the strategic placement of seating and shaded areas ensures that users can find a comfortable spot to read or relax.

The design cleverly combines the strengths of timber wood and bamboo, with timber providing structural integrity and bamboo offering flexibility and aesthetic appeal. This fusion creates a space that is both robust and visually appealing, highlighting the potential of natural materials in modern design. The primary target audience for the "TimBa Nook" is students, particularly those from nearby educational institutions. However, the space is also open to the broader community, offering a quiet and welcoming environment for anyone looking to read or relax. The "TimBa Nook" can be used for a variety of purposes, including individual reading, group study sessions, and small community events. The space is also ideal for mindfulness activities, such as meditation or yoga, thanks to its serene setting and natural design elements. The "TimBa Nook" offers several advantages, including its eco-friendly design, use of sustainable materials, and emphasis on creating a peaceful, engaging space for users. The design also promotes community interaction through the book exchange system and encourages a deeper connection with nature. The "TimBa Nook" is constructed using locally sourced timber wood and bamboo, with both materials treated for durability and weather resistance. The structure is designed to be lightweight yet sturdy, with a focus on minimizing environmental impact. The use of modular components allows for easy assembly and disassembly, making the nook adaptable to different settings.



Figure 1: The Timba Nook

NOVELTY AND UNIQUENESS

The "TimBa Nook" introduces a novel approach to outdoor reading spaces by combining traditional timber wood with bamboo, creating a unique fusion of materials that enhances both functionality and aesthetics. This design significantly differs from conventional reading areas by prioritizing sustainability and the use of natural materials, offering a fresh perspective on how public spaces can be designed.

BENEFITS TO MANKIND

The "TimBa Nook" contributes to solving critical environmental challenges by using sustainable materials, thereby reducing carbon footprints. It enhances the quality of life by providing a peaceful and natural environment for reading and reflection. The design promotes literacy, community engagement, and mental well-being, making it a valuable addition to any public space.

COMMERCIAL POTENTIAL

The commercial potential of the "TimBa Nook" is strong, given the growing demand for sustainable and wellness-oriented public spaces. Its scalable design and adaptability to different environments make it an attractive option for educational institutions, parks, and community centers. The competitive advantage lies in its unique material combination and eco-friendly approach, offering both aesthetic appeal and environmental benefits.

CONCLUSION

The "TimBa Nook" is a pioneering design that seamlessly integrates natural materials with functional public space, providing a serene and inspiring environment for students and the community. Its emphasis on sustainability, comfort, and community engagement makes it a significant contribution to modern public space design. Future developments could explore additional integrations of technology, such as solar-powered charging stations, to further enhance the user experience.

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We gratefully acknowledge Dr. Atikah Fukaihah Amir for her invaluable contributions and insightful ideas in the development of the TimBa Nook. Her expertise greatly influenced the design and concept of this unique space, making it a model for how natural materials can be used to create both functional and beautiful public spaces.

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Saya yang menjalankan amanah,

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