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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**

**Universitas Sebelas Maret**

**Universitas Tridianti (UNANTI)**

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## Lotus Haven: A Green Oasis Pavilion

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### ABSTRACT

Lotus Haven not only emphasises the connection between the lotus flower and the green concept, but also the impact it can have on the student lifestyle. The name suggests a space where students can immerse themselves in nature, find solace, and recharge amidst their busy academic lives. It's a perfect blend of tranquilly and student-friendly design. Furthermore, it offers students a haven where they may get away from the stress of their coursework and find comfort in a peaceful environment. The focus on "nature immersion" suggests the incorporation of natural elements like gardens, green spaces, or natural light to foster a restful and rejuvenating atmosphere. This setting aims to support students' mental health in addition to their physical comfort by giving them a place to unwind and regain equilibrium. The idea's "student-friendly design" further emphasises a well-considered fusion of peace and functionality. This demonstrates that Lotus Haven meets students' practical needs while also promoting tranquillity and peace of mind. This could include energy-efficient features, sustainable materials, collaborative spaces for social interaction, and ergonomic study areas, all of which support a well-rounded living and learning environment.

**KEYWORDS:** Lotus flower, find solace, recharge, ecofriendly design, nature

### DESIGN DESCRIPTION

The student hub seamlessly blends nature and innovation. This eco-friendly design embraces the beauty of the surrounding nature while providing a student-friendly space. Applying sustainable materials demonstrates an effort to reduce environmental impact, encourage resource efficiency, and assist in the creation of a healthier living environment for people. In addition to the materials used, an energy-harmonious environment includes design techniques that enhance energy efficiency and encourage sustainable behaviours among people. This might include installing energy-efficient appliances and fixtures, implementing recycling and waste reduction efforts throughout the area, and combining natural lighting and ventilation to lessen demand on artificial lighting and HVAC systems. Step inside and experience the perfect blend of nature and modern design. Lotus Haven was introduced to give better experience and outcome to pushing beyond comfort zones and reaching new heights in academics and personal pursuits. Moreover, students have the ability to bounce back and adapt in the face of challenges and setbacks. This design ensures that all students and community members can enjoy a relaxing environment without compromising on sustainability or comfort. The use of timber, bamboo wood, stone, and metal as materials not only enhances the aesthetic appeal of the space but also promotes eco-friendliness. These materials are chosen for their durability, aesthetic qualities, and minimal environmental impact, aligning with principles of responsible construction and design. The space offers a comfortable and inviting atmosphere where individuals can unwind and connect with nature, all while contributing to a greener, more sustainable living environment by prioritizing these

materials. This idea has three objectives: (1) to provide community members with an eco-friendly environment for gathering spots for group discussion; (2) to ensure the community or students are aware of the benefits of the design; and (3) to provide study and relaxation spaces.

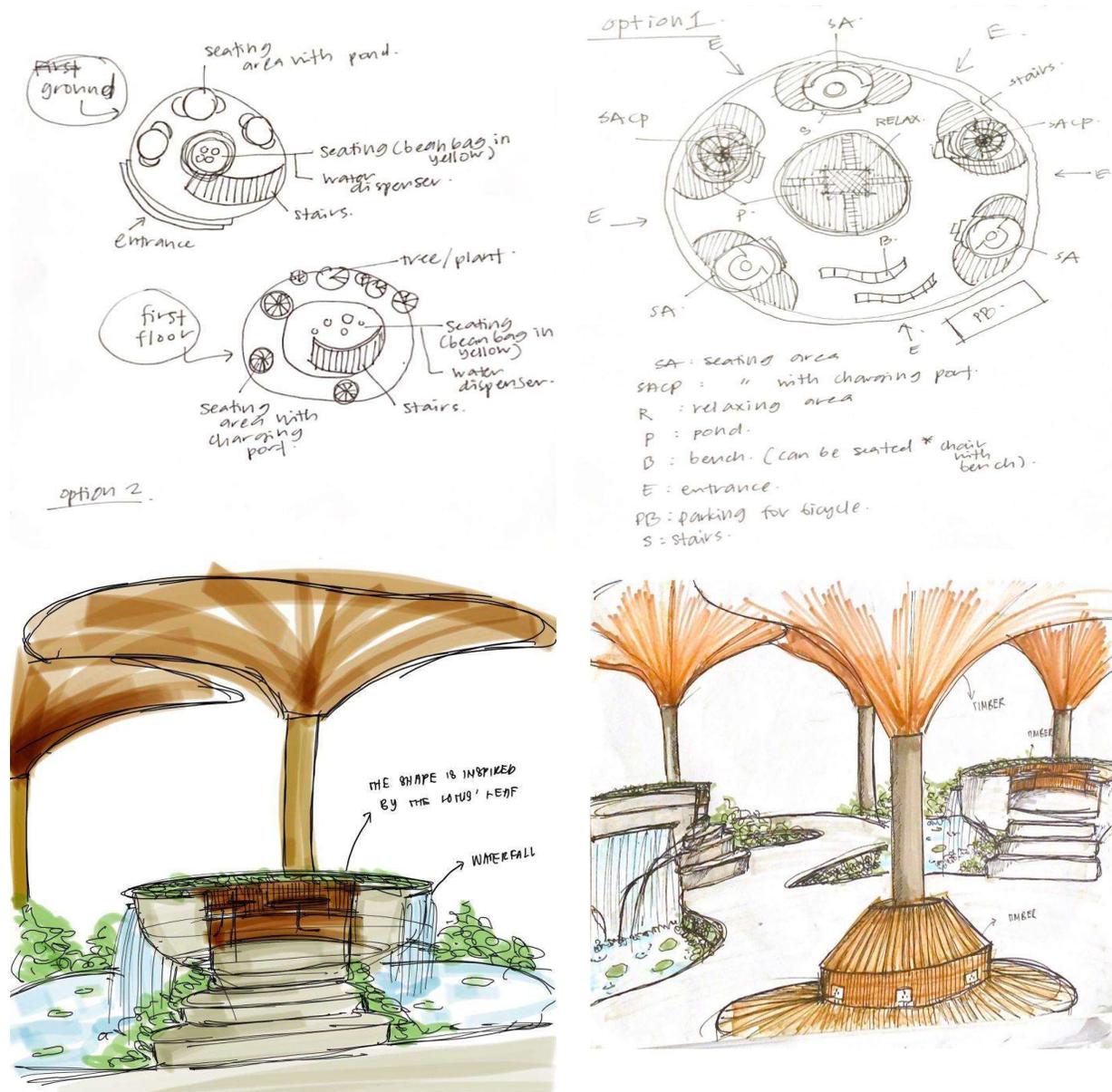


Figure 1: Lotus Haven: A Green Oasis Pavilion

**NOVELTY & UNIQUENESS**

Lotus Haven has been designed based on the study of the user preference for the innovation of lotus flowers. The study has been conducted throughout the design development process about the safety concern, the best types of timber and metal, and material selection. Lotus Haven's design ideas draw inspiration from the existing lotus flower, incorporating a green concept and an eco-friendly environment.

## **BENEFITS TO MANKIND**

Lotus Haven: A Green Oasis Pavilion offers a serene retreat for students to reconnect with nature, fostering mental relaxation and emotional rejuvenation amidst their busy lives. Its sustainable design, using renewable materials and energy-efficient systems, not only reduces environmental impact but also promotes eco-friendly living. This approach enhances the physical environment and fosters a sense of community and responsibility towards the planet. By prioritising sustainability, Lotus Haven inspires students to adopt greener lifestyles while enjoying the immediate benefits of a tranquil and supportive environment.

## **COMMERCIAL POTENTIAL**

Our design will encourage all furniture industry players to look into our identity for its true potential. Our green concept pavilions can be commercialised because they are unique, beautiful, and have strong characteristics. The advancement of technologies and materials available today will help furniture industry players make things happen.

## **CONCLUSION**

In conclusion, Lotus Haven emerges as a transformative student hub where the beauty of nature converges with innovative design. This eco-friendly initiative not only enhances the aesthetic appeal of the surrounding environment but also prioritises sustainability with materials like timber, bamboo wood, stone, and metal. By integrating energy-efficient systems and promoting sustainable behaviours, Lotus Haven encourages resource efficiency and contributes to a healthier living environment. Beyond its environmental impact, the pavilion serves as a versatile space for community gatherings, fostering collaborative learning and group discussions. Its design reflects a commitment to creating study and relaxation areas that support academic excellence and personal well-being. As students step inside, they experience a harmonious blend of natural serenity and modern functionality, aimed at inspiring growth and resilience in both academic and personal pursuits.

## **ACKNOWLEDGEMENT**

I would like to express my sincere gratitude to everyone who contributed to the development and realisation of Lotus Haven. Your dedication and support have been instrumental in creating a space that merges nature with innovation, fostering a sustainable and inviting environment for students and the community alike. Thank you for your invaluable contributions and commitment to this transformative project.

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