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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 Tridianti (UNANTI)

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Student Hub: Under The Lepidoptera

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ABSTRACT

A pavilion can be a temporary structure, built for leisure or shelter. It can also be an annex or add-on to a larger building, or it can be one of a group of buildings all standing together. Pavilions are flexible, open architectural structures, usually erected in parks and gardens. A pavilion provides a comfortable area shielded from both the sun and rain where tables, chairs, and other outdoor furniture or furnishings can be set up for hosting and/or relaxation. They played a significant role in political and cultural propaganda through international exhibitions in the 19th century, as well as in the presentation of new technologies and materials.

PROBLEM STATEMENT

The first issue is that there aren't enough appropriate study spaces for students. As a result, students are forced to study in crowded areas. Second, there must be stress for students to study because now many students do not have enough internet data to complete their assignments, so the assignment can be stuck when their internet quota runs out, which can infect their mental illness problem because of their studies. Thirdly, there is nowhere suitable for the student to complete their project. Because they are unable to work comfortably, their project may be incomplete. As students, they also need a suitable place to calm their minds during the stress of studying, as well as a suitable place to engage in activities that can reduce student stress with friends.

USEFULNESS

A pavilion offers a spacious area where students can set up tables, chairs, couches, and even an outdoor activities area. This allows students to engage in a variety of activities such as group discussions, socializing with friends, or participating in sports. These activities not only relieve stress but also foster a sense of calmness. The pavilion also provides Wi-Fi to all students who come to the pavilion to help all UITM Seri Iskandar students to make it easier for students to carry out the tasks or assignments according to the due date.

PROJECT TARGET / OBJECTIVES

a. Project Aim

This project intends to design an ergonomic and functional pavilion to serve as a second important place for UITM Seri Iskandar students.

b. Project Objectives

We aim to provide facilities that can foster success for all citizens of UITM Seri Iskandar.

c. Target User

The primary target audience for this project is students at UITM. In order to achieve the project's goal, we conducted a study on the students, which included lifestyle and behavior, daily tasks, and user task analysis.

PRODUCT / PROJECT / PROGRESS

This project will be divided into two stages, the first of which involves studying the target user, designing the project based on the chosen concept, and analyzing the design elements and user preferences for consideration. The second stage involves developing the design, sketching the idea for the project to provide various facilities, and determining the final option based on the research conducted in the first stage.



Figure 1: Design process

IDEA DEVELOPMENT

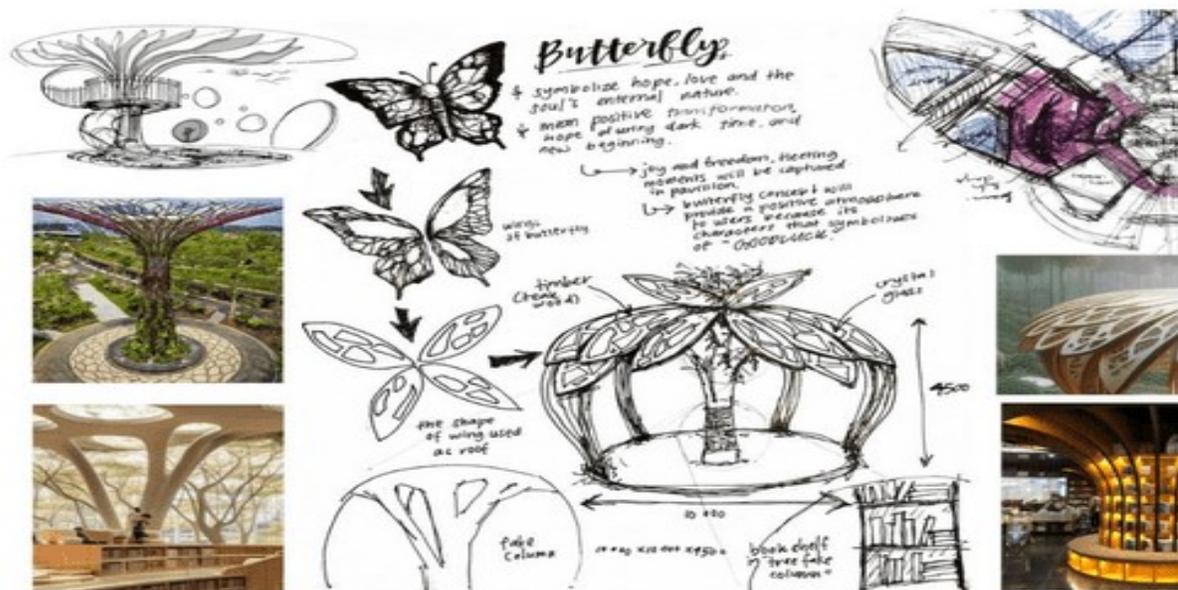


Figure 2: Idea development

COMMERCIALIZATION AND POTENTIAL

The Lepidoptera concept, inspired by butterflies and moths, offers a unique and visually stunning aesthetic. Pavilion designs based on this concept can attract attention and stand out in various settings, including parks, gardens, and event venues. Pavilions designed under the Lepidoptera concept can also have educational value. Visitors can explore the significance of butterflies and moths in ecosystems and biodiversity conservation in these interactive learning spaces. Furthermore, they can facilitate research initiatives focused on biomimicry, sustainable design, and environmental conservation.

NOVELTY

Pavilion design represents a unique blend of architecture, art, and innovation, often serving as a focal point for various events, exhibitions, or cultural displays. Embracing the concept of Lepidoptera, the order of insects encompassing butterflies and moths, offers a novel approach to pavilion design, integrating elements of beauty, transformation, and sustainability. This essay explores the novelty of pavilion design when inspired by the concept of Lepidoptera. Lepidoptera, characterised by their delicate wings and remarkable metamorphosis, inspire awe and wonder in their observers. The lifecycle of butterflies, from egg to caterpillar, chrysalis, and finally to the emergence of a stunning winged creature, symbolises transformation and renewal. Integrating this concept into pavilion design enables the creation of structures that not only capture the imagination, but also convey deeper meanings of growth and change. In conclusion, the novelty of pavilion design under the concept of Lepidoptera lies in its ability to merge aesthetics, functionality, and symbolism. By drawing inspiration from the beauty, adaptability, and sustainability of butterflies and moths, architects and designers can create structures that captivate the imagination while promoting deeper reflections on growth, transformation, and the interconnectedness of all living beings. Embracing the Lepidoptera concept offers endless possibilities for innovation in pavilion design, ushering in a new era of architectural excellence and environmental consciousness.

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<https://www.bprarchitects.com/work/student-pavillion>

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Kelulusan daripada pihak tuan dalam perkara ini amat dihargai.

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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