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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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Djong Pavilion

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ABSTRACT

Djong pavilion is a traditional Malay boat pavilion that serves as a retreat for the public. The main purpose of the structure is to accommodate the student's lifestyle while reliving the history of the glorious Malacca's empire. The leveled chengal floor provides the feeling of being on board. While the main attraction is the 'wayang pacak', that is the traditional way of watching a movie back in the day, there are plenty more area to be explored. That is the work area which takes the form of a yet another traditional transportation known as "sampan". The structure not only provides a space for students to interact and communicate, it is also an experience of being on board that made it all worthwhile. Another main component is the observation tower that acts as the agriculture area. This is where students attempt to take care of the plants by themselves. This is a way to encourage and teach students about the importance of green planting. In a nutshell, as a way to maintain the sustainability of the structure, all the hardwood plank are reclaimed to avoid having detrimental effect on the environment

KEYWORD: Traditional, timber, ship, green

DESIGN DESCRIPTION

The major source of inspiration for the design was the imperial ship of Malacca. Different parts of the ship were moved to improve the user experience. Additionally, elements of the traditional Malay "sampan" mode of water transportation were included into the design. The primary aim of the structure is to raise knowledge of Malaysia's past while also serving as a relatable framework for Malaysians of all ages. The structure has five essential components. The first one is the "wayang pacak," or viewing booth, as it is referred to historically. Using a layer as the screen to give the students the impression of being on board as they are watching the show. It also encourages outdoor activities among student to try and connect to one another. Additionally, the floor is made from chengal wood as it is very durable, suitable to accommodate a large group of students. Second, the workstation that used "sampan" as its primary creative inspiration. About eight to ten students may fit in this space, which is where all of the production takes place and where they can communicate and engage with one another. Employing a conventional roofing system that offers relief from the heat and protection from it. The front deck, which is an attempt to revive the traditional element of people sitting on the floor together, is one of the building's other important aspects. Here, students may relax and converse with one another while sitting on the floor. The observation tower, which served as a self-grown garden for students to attempt and take care of the plants, and to raise awareness on green sustainability on structure is the final important component.

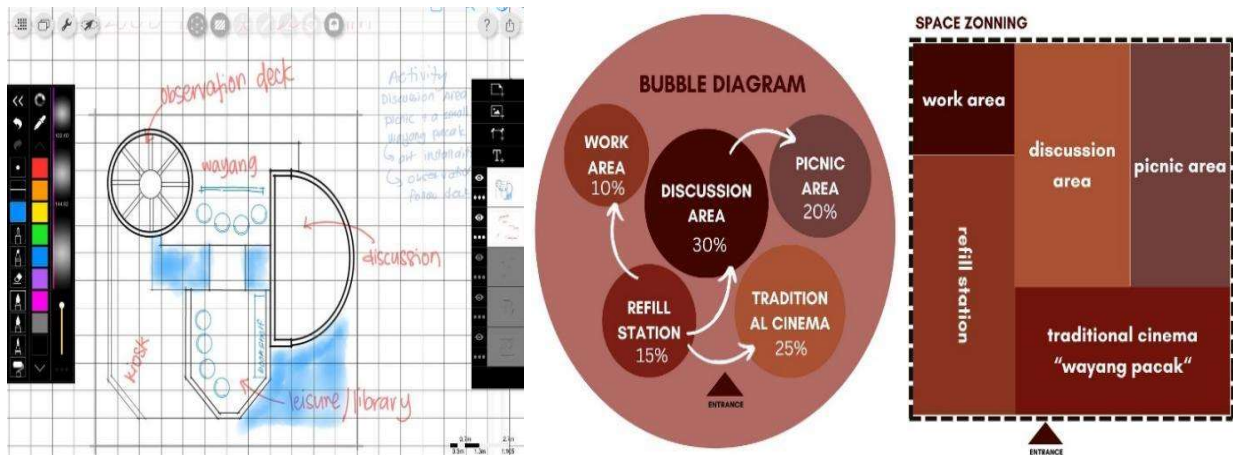


Figure 1: Image of the progress of ideas design

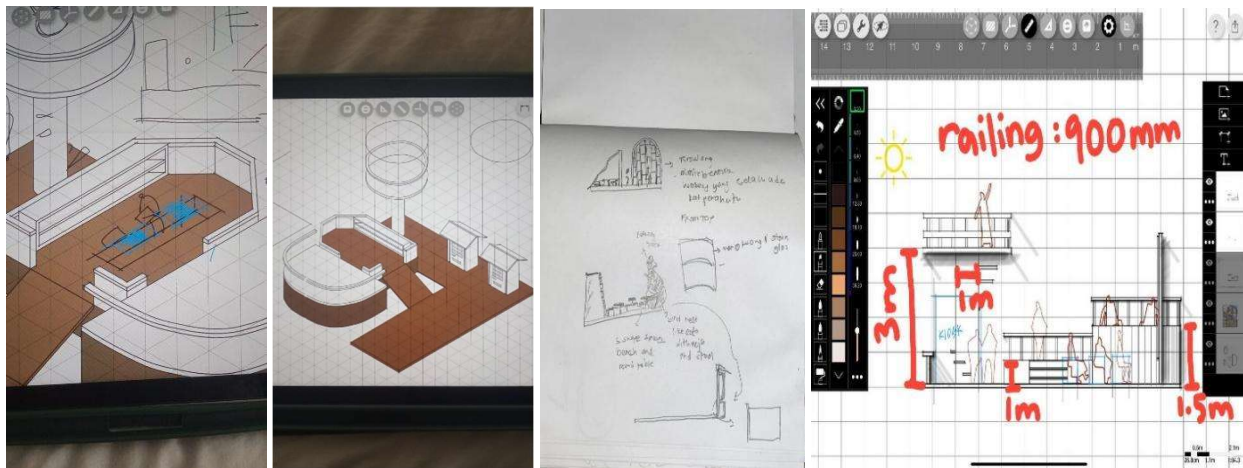


Figure 2: Sketchers of the progress



Figure 3: View of Djong Pavilion from multiple angles

NOVELTY AND UNIQUENESS

The pavilion's shape, which was influenced by Malacca canoes, presents a special chance to blend contemporary architectural features with traditional history. Curved roof lines are a feature of this design. Additionally, we utilize a material that resembles wood, giving the boat a traditional appearance, and we employ a traditional boat color. technique involves adding designs or motifs that draw inspiration from classic boat art. In addition, this design integrates natural features and vegetation into the pavilion's design, as well as passive cooling and ventilation techniques.

BENEFITS TO MANKIND

The pavilion's design, which took influence from Malacca canoes, enhances the community's cultural landscape while aiding in the celebration and preservation of tradition. The pavilion offers a variety of activities that give students excellent chances for research. Reading, viewing films, and having discussions all help to promote learning, creativity, and critical thinking in a special and motivating setting. People congregate in the pavilion to mingle, make connections, and have deep conversations. It encourages social cohesiveness and a sense of community. Additionally, pavilion amenities promote healthful habits like outdoor picnics and leisure pursuits, which improve physical health.

COMMERCIAL POTENTIAL

Djong Pavilion is a great need for adaptable areas that allow students to relax, socialize, and study. Our pavilion design closes this market gap and has the potential to draw a sizable user base. The pavilion has its own distinct twist that sets it apart from other conventional structures, thanks to its distinctive inspiration derived from Malacca boats. This can help them stand out from the competition and draw more clients. combining income sources like vending machine sales and converting the pavilion into a source of cash to support company growth. A cost analysis must be performed in order to guarantee profitability. To ascertain the profitability of the project, this entails evaluating the possibilities for income sponsorship, operational expenditures, and construction costs. To draw clients and encourage usage, it will be crucial to create a strong marketing plan to raise awareness of the pavilion among students, academic institutions, and the general public. It is possible to turn it into a success and profit with meticulous planning, efficient execution, and intelligent marketing.

CONCLUSION

In conclusion, Djong Pavilion offers a unique and multifunctional public space designed, which provides a wide range of student-focused activities, is an intriguing and creative addition to common areas. It creates a special atmosphere that is ideal for studying, interacting with others, and unwinding by fusing contemporary practicality with cultural inspiration. Its attractiveness and practicality are improved by the addition of many amenities, such as water features and a vending machine, which meet the various needs of students. This pavilion has the potential to be a dynamic hub for interaction and discovery that will improve the lives of students and the larger community through improving well-being, encouraging community engagement, and creating economic opportunities.

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