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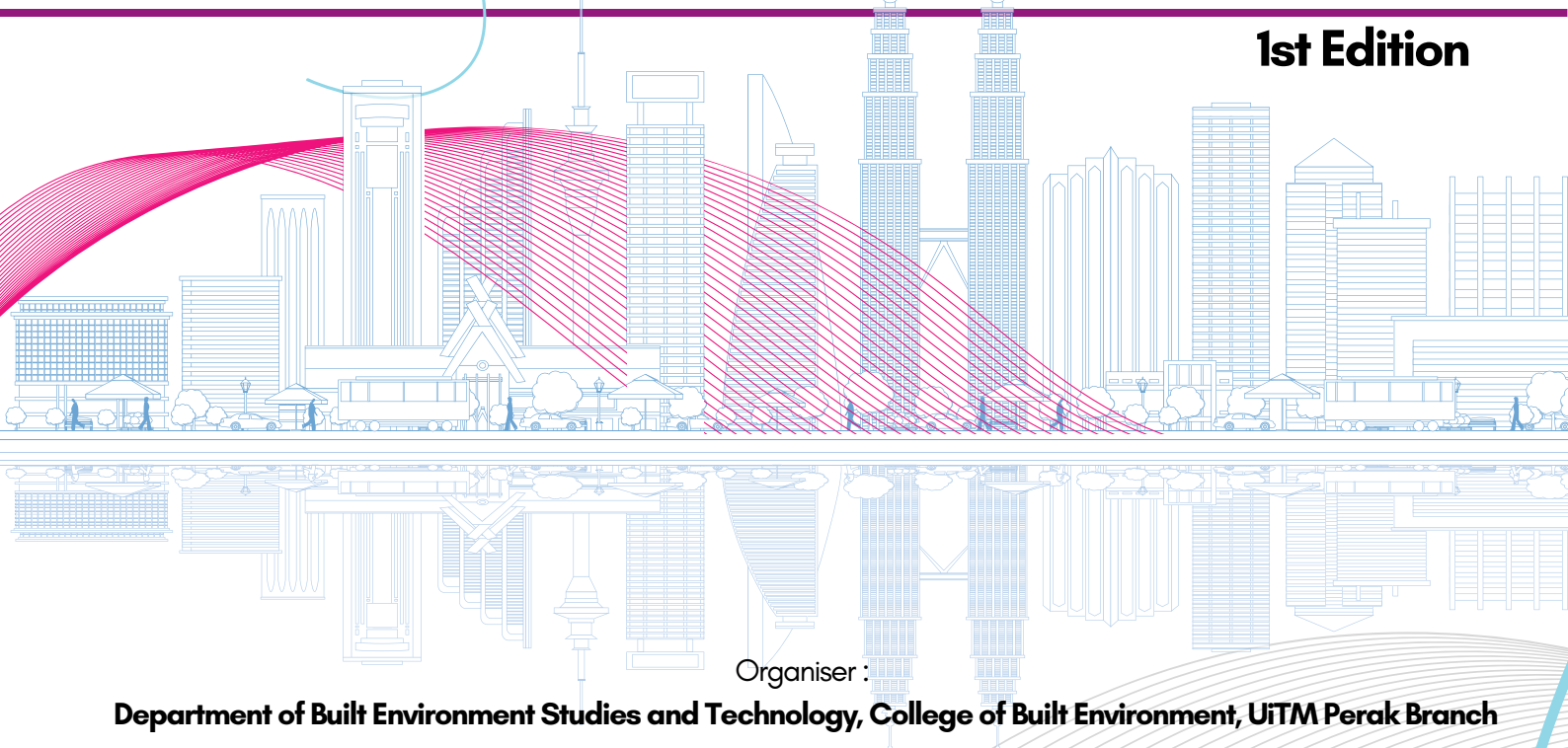
Cawangan Perak

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 Tridinanti (UNANTI)

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The Padlock Seat

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ABSTRACT

The design of public spaces plays an essential role in safeguarding individual convenience and welfare, particularly in educational environments. These areas play a crucial role in determining the general feel and operation of a university campus. Including components like eco-friendly features, cosy seating configurations, and captivating designs helps to create a calm environment that is ideal for a range of activities. To further improve the overall experience, large, open spaces allow for the preservation of natural elements like sunshine and breeze. These public areas permit a variety of activities, such as busking, gaming, and healing techniques, in addition to acting as learning spaces. This allows them to meet the needs and interests of a wide range of people. Universities that carefully plan their public areas not only encourage a feeling of community and cooperation but also offer chances for leisure, recreation, and Universities that carefully plan their public areas not only encourage a feeling of belonging and teamwork, but they also offer chances for leisure, enjoyment, and personal development. These areas are essential gathering places for students where they may engage, educate themselves, and grow in a welcoming and encouraging setting.

KEYWORDS: Public spaces, eco-friendly, learning spaces, personal development, encouraging

DESIGN DESCRIPTION

The Padlock Seat's design, with its curving lines and geometric patterns, is evocative of the well-known silhouette of a padlock, a representation of security. Furthermore, to functioning as a useful component, the massive padlock development generates a statement and offers students a sense of peace of mind as they rest outdoors. Constructed from sturdy materials such as weather-resistant steel or aluminum, The Padlock Seat is built to withstand the rigors of outdoor use while maintaining their structural integrity and aesthetics over time. The materials chosen prioritize durability, ensuring that The Padlock Seat remains a long-lasting seating solution for campus environments. Despite its unique shape, The Padlock Seat prioritises comfort, featuring cushioned seating surfaces and ergonomic contours to provide students with a comfortable place to rest and socialize. The seating area within the padlock design is spacious enough to accommodate individuals or small groups, allowing students to relax and unwind in style. The benefits are a visually striking and memorable outdoor seating option for students, symbolizes security and protection, promotes a sense of safety and peace of mind and offers comfortable seating with durable construction for long-term use.

NOVELTY AND UNIQUENESS

Our design presents a novel approach to public space through the smooth integration of solar technology and timber aesthetics, providing a pleasing fusion of renewable energy and natural warmth. In contrast to conventional designs, our idea puts sustainability first without sacrificing usability or flair. Through a thoughtful blend of cutting-edge technology and environmentally friendly materials, we create an exceptionally distinctive outdoor place that redefines contemporary outdoor living and encourages responsible living. Other than that, we provide pet

shelter and bicycle parking space. A very convenient space for all the bicycle riders at the university so that the number of missing bicycles will be reduced.



Figure 1: Front View



Figure 2: Side View



Figure 3: Top View



Figure 4: Side View

BENEFITS TO MANKIND

By tackling important environmental issues and implementing sustainable methods, such the use of renewable resources like solar electricity and wood, our design transforms public places. It greatly lowers carbon footprints and creates a healthier, greener world by encouraging eco-friendly lifestyles. Additionally, the integration of cutting-edge materials and technology improves users' quality of life by offering a warm and practical area for socialising, learning, and leisure. Economically, by using sustainable materials, the design supports regional companies and encourages cost savings through energy efficiency.

COMMERCIAL POTENTIAL

The Padlock Seat' s design, which takes into account the size and demand of the market, responds to the increasing need for environmentally friendly surroundings in public areas by providing sustainable solutions to a diverse spectrum of consumers. Its creative fusion of solar power and wood beauty gives it a competitive edge technology, differentiating it from traditional designs. Our business strategy is centred on scalability and has the potential to be widely implemented in a variety of contexts. Cost analysis shows that operating efficiency and energy savings result in favourable profit margins. Environmental standards are followed thanks to regulatory compliance and certifications, and our intellectual property strategy protects our original design features.

CONCLUSION

In conclusion, The Padlock Seat offers a bold and innovative outdoor seating solution that combines eye-catching design with practical functionality. With their padlock-inspired silhouette, comfortable seating, and integrated locking mechanisms, SecureSeats provide students with a secure and stylish place to relax, socialize, and study outdoors while adding a distinctive touch to campus landscapes.

ACKNOWLEDGEMENT

We would like to sincerely thank all of the individuals, organisations, and groups whose support was essential to the development and success of our pavilion design. Their assistance, understanding, and support have been invaluable in helping us accomplish our objectives and create a space that fosters more community involvement and a sustainable environment for everybody.

REFERENCES

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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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