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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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Pocket Park

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ABSTRACT

Pocket Park furniture is an innovative solution that creates compact, multifunctional green spaces in urban areas. This study explores the design and benefits of these parks, focusing on their ability to integrate multiple functions into a single, space-saving unit. Key features, such as water harvesting systems that sustain plant growth and generate hydroelectricity, were analysed through a review of existing installations and case studies. The findings highlight how pocket park furniture maximizes urban space, enhances neighbourhood aesthetics, fosters social interaction, and contributes to environmental sustainability. Adopting these designs could significantly improve urban living, making cities greener and more community-oriented.

KEYWORDS: Pocket Park furniture, multifunctional design, urban environments, sustainability, social interaction, community spaces

DESIGN DESCRIPTION

The pocket park design is a captivating blend of natural elements and contemporary aesthetics, centered around the use of Kempas wood to create a warm, inviting space. Timber features gracefully intertwine with the surrounding greenery, forming a seamless connection between architecture and nature. The rich hues of Kempas wood not only highlight the park's beauty but also reflect a commitment to sustainable design. Timber serves as the heart of the park's structure, with wooden pathways and accents that add warmth and texture to the landscape. Perforated steel benches are thoughtfully integrated into the design, offering comfortable spots for relaxation while harmonizing with the natural surroundings. These elements create a welcoming environment that invites visitors to unwind, socialize, and connect with nature. The fusion of Kempas wood, steel, and lush greenery forms a picturesque canopy, enhancing the park's ambiance and promoting sustainability. This design transforms the pocket park into an urban oasis, where community and nature converge in perfect harmony, providing a serene escape in the heart of the city.

NOVELTY AND UNIQUENESS

The Pocket Park's novelty and uniqueness stem from its seamless integration of multifunctionality, sustainability, and aesthetic appeal within compact urban spaces, featuring innovative elements like hydroelectric water harvesting systems, eco-friendly Kempas wood, and modular adaptability. By transforming underutilized areas into vibrant community hubs, it blends natural elements with modern design, creating a unique urban oasis that enhances neighborhood beauty and promotes well-being.

POCKET PARK

A pocket park is a small park accessible to the general public. While the locations, elements, and uses of pocket parks vary considerably, the common defining characteristic of a pocket park is its small size. Typically, a pocket park occupies one to three municipal lots and is smaller than 0.5 hectares in size.

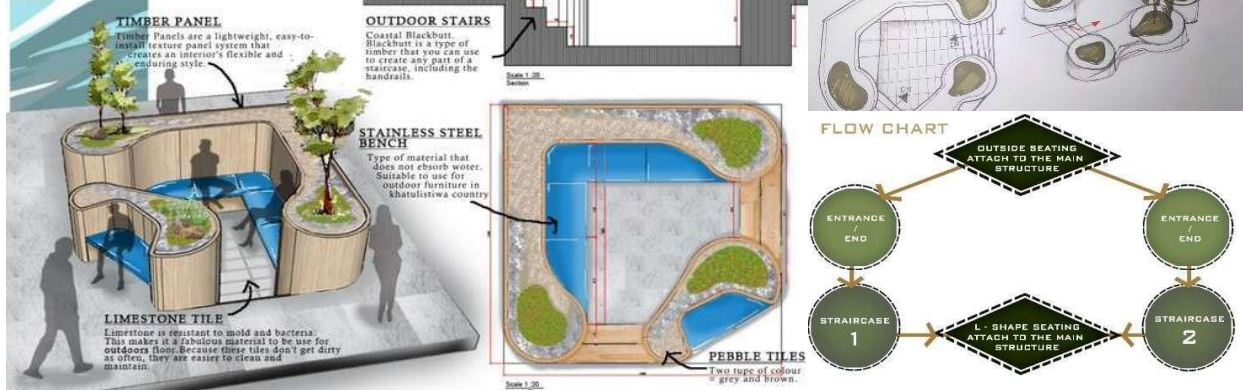


Figure 1: The details of the Pocket Park



Figure 2: Different angle of the Pocket Park

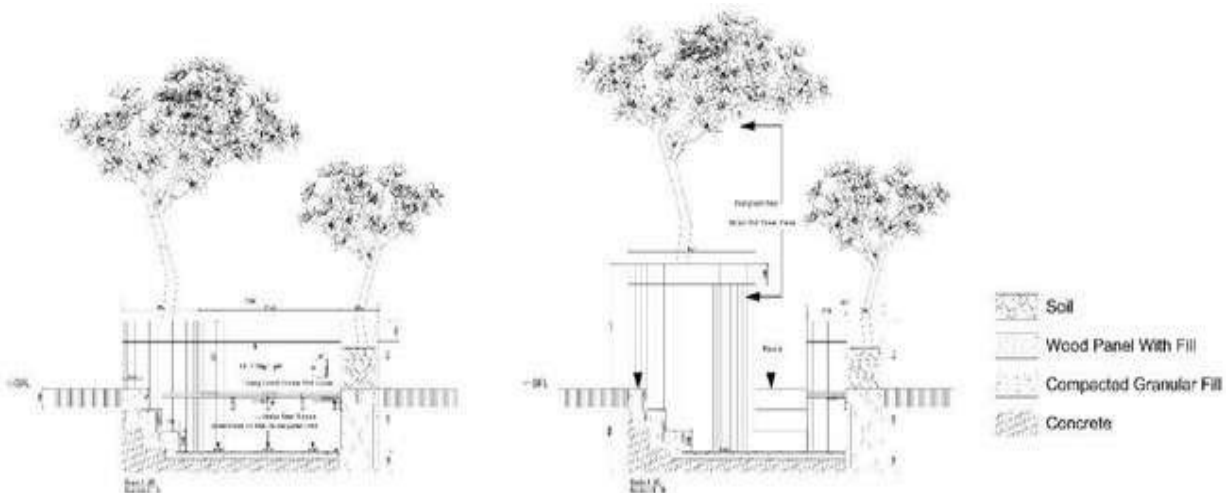


Figure 3: Technical specification on the detail of the water harvesting system for the Pocket Park

BENEFITS TO MANKIND

The Pocket Park enhances urban living by offering a green retreat that boosts well-being, fosters community, supports environmental sustainability, and beautifies neighbourhoods.

COMMERCIAL POTENTIAL

The Pocket Park has strong commercial potential by boosting property values and attracting businesses with its appealing, sustainable design. It enhances real estate and retail spaces, increases local foot traffic, supports nearby businesses, and offers marketing advantages by showcasing eco-friendly, community-focused features.

CONCLUSION

Pocket Parks uniquely blend multifunctionality, sustainability, and aesthetic appeal to transform urban spaces into vibrant, eco-friendly community hubs that enhance property values and support local economies.

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