



**COLLEGE OF BUILT ENVIRONMENT  
UNIVERSITI TEKNOLOGI MARA**

**THE IMPLEMENTATION OF GREEN ELEMENT BUILDING  
AT SUNWAY PUTRA TOWER**

**Academic Project Submitted In Partial Fulfilment Of The Requirements  
For The Award of The  
Degree Bachelor Of Estate Management (Hons)**

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2022602266  
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## STUDENT'S DECLARATION

Title of Academic Project:

THE IMPLEMENTATION OF GREEN ELEMENT BUILDING  
AT SUNWAY PUTRA TOWER

I hereby declare that this academic project is the result of my own research except for the quotation and summary which have been acknowledged.

Signature :

Name of Student : Nur Afiqah Izzati binti Muhamad Tazul Azani

Date : 16<sup>th</sup> June 2024

## **SUPERVISOR'S DECLARATION**

Title of Academic Project:

**THE IMPLEMENTATION OF GREEN ELEMENT BUILDING  
AT SUNWAY PUTRA TOWER**

I hereby declare that I have read this academic project, and, in my opinion, it is sufficient for the award of Bachelor of Estate Management (Hons)

Signature :

Name of Supervisor : Prof. Madya Dr Thuraiya Binti Mohd

Date : 16<sup>th</sup> June 2024

## **ACKNOWLEDGMENT**

Alhamdulillah by the grace of God, He gave me the idea, strength, and time to complete this research. Without His will, I certainly will not be able to complete this Academic Project II under the RES 655 code for my Bachelor's Degree In Estate Management within the specific time.

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## **ABSTRACT**

Green building is common issue in this current era. Usually, green building will be implemented at the early stage of building construction in a new building which is considered to become an environmental component, as the green building material, design and architecture which will ensuring the conservation of natural resources. Due to that, normally, green building element and criteria will be implemented at the design and construction stage where the green building criteria, element and design are implemented for the new construction of the office building. But it rarely to be seen that the existing conventional building are implementing this green element building in Malaysia. This research is aimed to explore element of green building that been implemented at Sunway Putra Tower using suitable method. This research objective is to identify green building elements implemented at Sunway Putra Tower, to assess the energy efficiency of electricity utilities at Sunway Putra Tower and to recommend green element can be implemented at Sunway Putra Tower. Data collection has adopted a quantitative and qualitative. Data analysis was conduct is by using content analysis and theory based. The findings of this research are the green element implemented in the building consist of green programmed, energy efficiency strategy to save the cost of electricity utilities and the recommendation for implement green building element at Sunway Putra Tower by conduct a phase systematic and manageable approach. This is because to implement the element green building in old conventional building is quiet challenges. The significant of this study is to be contributed to be practice, academic purpose, advancing sustainable building research, encouraging further research initiatives and contribution to sustainable development goals.