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**GREEN BUILDING CONCEPT IN MALAYSIA:  
BAMBOO IMPLEMENTATION AS GREEN  
CONSTRUCTION MATERIAL**

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## DECLARATION

"I declare that this dissertation is the result of my own research and that all sources are acknowledged in the references"

Student's signature : .....

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Date : 5 JANUARY 2023

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## **ABSTRACT**

Bamboo is widely utilised in construction, not only for food production but also as a building material. In fact, bamboo may be used to create dwellings. In the construction sector, they are not as well-known as sustainable building materials, but they may be applied to improve the lives of others. In addition, bamboo has a special worth that each person observes. Green building, sometimes called sustainable building, is a method of construction that, from the planning stages of a structure's life cycle to its destruction, employs resource and environmentally friendly practices. This study tries to explain how bamboo is implemented as a building material in construction. This research to increase the awareness of the green concept, it is necessary to investigate the issues and challenges associated with using bamboo as a construction material in Malaysia that concentrates on the built environment. The objectives of this study are to identify the types of construction implementation bamboo in construction industry. Second, to identify the potential of bamboo implementation in benefits and challenges in construction industry. Lastly, to recommend ways to increase the potential of bamboo as green material in construction. The method of this research is data collection using a predetermined way the quantitative approach is used to acquire data. The findings of this research are components and types of implementation which is floor and flattened bamboo is top ranked. Other than that, the benefits the last ranking is interior design. The finding of challenges that found in the most challenging of potential in construction industry is lack of awareness about bamboo. The last finding about ways to recommendation is promoting well design structures of bamboo. Finally, bamboo has a great deal of promise as an affordable and sustainable building material, but its growth and execution will need community involvement, stakeholder engagement, and supportive laws and regulations.