**UNIVERSITI TEKNOLOGI MARA**

**PERAK BRANCH**

# WALL PANEL FOR NOISE PROOFING SYSTEM USING COCO PEAT

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Innovation project report submitted in partial fulfilment of the requirements for the degree of

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AUTHOR'S DECLARATION

I declare that the work in this innovation project report wan carried out in accordance with the regulation of Universiti Teknologi MARA. It is original and is the result of my own work, unless otherwise indicated or acknowledged as referenced work. This topic has not been submitted to any other academic or non-academic institution foe any degree or qualification.

In the event that my innovation project report, be found to violate the condition mentioned above. I voluntarily waive the right of conferment of my degree and agree be subjected to the disciplinary rules and regulation of Universiti Teknologi MARA.

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## ABSTRACT

Malaysia's building sector is growing significantly in general. Every year, the construction pace in Malaysia appears to be quite encouraging, particularly in state capitals such as Kuala Lumpur, Johor Bahru, and Penang. This construction activity can elevate a country's standing in the eyes of other nations. Indirectly, it may serve as a reminder to other countries that Malaysia is not alone in the building business.

The concept of "Green Campus" should also be emphasized in producing project innovations in this study. This is because the location dedicated to producing this project is in the hostel area inhabited by students studying at UiTM Perak Branch, Seri Iskandar Campus. With the concept of "Green Campus", it can apply the attitude of loving the hostel to students by maintaining cleanliness and saving the hostel environment from pollution in order to maintain mutual comfort.

Therefore, the material that have been selected to be use is Coco peat. Coco peat is natural fiber made out of coconut husks. The extraction of coconut fiber from husks gives us this by product called coco-peat, which is a 100% natural growing medium. Originally, Coco peat are used on plantation as a sowing medium, rooting medium, hydroponic farming and indoor plants.

In this study, there are two techniques of data gathering for methodology: experimental and secondary review. Employing these two ways, the proposal for an innovation project, which is using a coco peat, may be simply identified. Indirectly, it may improve our environment by doing a test in experiment research and providing