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Effect Of Plastic Waste to Marine Life in Malaysia

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Thesis submitted in fulfillment of the requirements
for
Bachelor Degree (Hons) in Graphic Design

Faculty of Art & Design

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CONFIRMATION BY EXAMINER

I certify that an examiner has met on 6th February 2022 to conduct the final examination of *Syamin Elyna binti Rosly* on his Bachelor Degree (Hons) in Graphic Design thesis entitled *Effect of Plastic Waste to Marine Life in Malaysia* in accordance with Universiti Teknologi MARA Act 1976 (Akta 173). The examiner undersigned recommends that the student be awarded the relevant degree.



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AUTHOR'S DECLARATION

I declare that the work in this thesis was carried out in accordance with the regulations of Universiti Teknologi MARA. It is original and is the results of my own work, unless otherwise indicated or acknowledged as referenced work. This thesis has not been submitted to any other academic institution or non-academic institution for any degree or qualification.

I, hereby, acknowledge that I have been supplied with the Academic Rules and Regulations for Undergraduate, Universiti Teknologi MARA, regulating the conduct of my study and research.

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ABSTRACT

Plastic debris is already found on every Malaysian beach, and we need to make a concerted effort to meet the government's target by 2030. According to the United Nations, marine debris affects at least 800 species globally, with plastic accounting for up to 80% of the waste. This project intends to protect endangered marine life owing to excess plastic in the water, and in order to do so, we must produce an awareness poster about the impacts of plastic on marine life such as dolphins. Littering everywhere sends waste straight to the sewer, then the river, and eventually the sea. Recent research has indicated that 46% of the waste in the Pacific Ocean Garbage Patch is fishing gear, and of the plastics in the patch, 96% is microplastic. Plastics that have been in the water for a long time may degrade into microplastics, endangering marine life such as dolphins as well as humans. An online survey was distributed to everyone in Malaysia to test the hypothesis of regarding to the topic. Respondents ranged in age from 13 to 60 and above, and the subject concerned littering, recycling, and their understanding of the effects of plastic trash on marine life. The findings revealed that the majority of respondents have observed plastic debris on Malaysian beaches. These findings show that greater effort from the government and Malaysian residents is required to modify policy and behavior in order to keep our ocean clean and conserve marine life in Malaysia.

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