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Environmental Awareness Studies in Environmental Management at Terengganu, Malaysia

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Abstract

Environment deterioration issues are increasing day by day related to water quality deterioration, sedimentation, flooding, and uncontrollable domestic sewage that affect communities. Awareness of environmental changes is one of the necessary concerns to control the occurrence of damage caused by human needs. The aim of this study is to compare the environmental awareness level among communities and identify the relationship between environmental awareness level and communities' behaviour. This study was conducted to spread the spatial model of environmental awareness among urban and rural communities using GIS. Four hundred and two respondents were selected randomly. The sample size determination was based on the sample size of Krejcie and Morgan. Discriminant Analysis (DA), descriptive analysis, and two-sample t-test were used to analyze the primary data. The result showed that there are five questions which showed significant p-value < 0.05 (SA1 p-value = 0.0297, SA6 p-value = 0.0028, SB4 p-value = 0.0095, SC9 p-value = 0.0229, and SC10 p-value = 0.0023). It proved that the communities' knowledge on environmental issues are significant (p-value = 0.0331 < 0.05). There are significant differences between urban and rural communities. From what GIS analysis showed, majority of the people in urban areas in Terengganu are more aware that environmental care is necessary to ensure the well-being of the environment compared rural areas. The government, consumers, business organizations, consumer associations, and other non-governmental organizations have a shared responsibility for the preservation of the environment. © The Author(s), under exclusive license to Springer Nature Switzerland AG 2022.

Author keywords

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