UNIVERSITI TEKNOLOGI MARA

KNOWLEDGE, ATTITUDE AND MANAGEMENT PRACTICES OF FERTILIZER AND PESTICIDE APPLICATION AMONG PINEAPPLE FARMERS

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Final year project report submitted in partial fulfillment of the requirements for the degree of

Bachelor of Science (Hons.) Plantation Technology and

Management

Faculty of Plantation and Agrotechnology

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CANDIDATE'S DECLARATION

I declare that the work in this Final Year Project was carried out in accordance with the regulations of Universiti Teknologi Mara. It is original and is the result of my own work, unless otherwise indicated or acknowledged as referenced work. The final year project report has not been submitted to any other academic institution or non academic institution for any other degree or qualification.

In the event that my Final Year Project is found to violate the conditions mention above, I voluntarily waive the right of conferment of my bachelor degree and agree to be subjected to the disciplinary rules and regulation of Universiti Teknologi MARA.

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ABSTRACT

Pineapple industry is one of main contributor of Malaysia's economy since 1957. The application of fertilizer and pesticide is necessary in improving productivity of agriculture. However, the impacts of excessive chemical were lead to undesirable effects on yield and environment. A case study was carried out in Pontian, Johor, which seeks to identify the relationship between knowledge, attitude, and management practices of fertilizer and pesticide application among pineapple farmers. A total of 121 respondents were involved in the data collection process. The data were gained though distributing questionnaire. The resulting analysis indicated that there is weak positive relationship between farmers' knowledge and attitude of fertilizer and pesticide application ($r=.207,\,p=.023$) . Farmers' knowledge and management practices of fertilizer and pesticide application also shown a weak positive relationship ($r=.274,\,p=.002$). Additionally, there is a strong positive relationship between attitudes and management practices of fertilizer and pesticide application among farmers ($r=.657,\,p=.00$). In conclusion, farmers should have adequate knowledge and positive attitudes in term of applying good management practices of fertilizer and pesticide application on cultivated crop

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