UNIVERSITI TEKNOLOGI MARA

LEVEL OF KNOWLEDGE, AWARENESS AND ATTITUDE
OF WORKERS TOWARDS THE EFFECTIVENESS
INTEGRATED PEST MANAGEMENT (IPM) PRACTICES
IN RUBBER INDUSTRY SMALLHOLDER DEVELOPMENT
AUTHORITY (RISDA) SEKIJANG, SEGAMAT JOHOR

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Final Year Project Report Submitted in
Partial Fulfillment of the Requirements for the
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and Management
in the Faculty of Plantation and Agrotechnology
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APPROVAL SHEET

This Final Year Project Report entitled 'Level of Knowledge, Awareness and Attitudes of Workers Towards the Effectiveness Integrated Pest Management (IPM) Practices in Rubber Industry Smallholder Development Authority (RISDA) Sekijang, Segamat Johor was submitted by Adilah Binti Abu Hassan in partial fulfillment of the requirements for the Degree of Bachelor of Science (Hons) Plantation Technology and Management, in the Faculty of Plantation and Agrotechnology, and was approved by

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CANDIDATE 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 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, t voluntarily waive the right of conferment of my bachelor degree and agree to be subjected to the disciplinary rules and regulations of Universiti Teknologi MARA.

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ABSTRACT

The understanding on various aspects of pesticide-use has revealed better awareness in certain aspects and poor understanding in certain others. Pest control practices have been made and this approach has been used either as a defensive measure or treatment. This paper is focused on level of knowledge, awareness and attitudes about Integrated Pest Management (IPM) practices among plantation workers in RISDA Semaian, Sekijang Segamat Johor. This study used the data collected from a survey among plantation workers using structured questionnaire. A total of one hundred and twenty nine (129) respondents were interviewed in order to obtain a survey on their knowledge, awareness and attitudes about IPM practices. A Likert scale of 1 to 5 (1 representing Strongly Disagree and 5 representing Strongly Agree) was used to measure respondents' knowledge, awareness and attitude related to the practices IPM. In this study, the descriptive analysis, reliability analysis, factor analysis and multiple regressions were applied to analyse the gathered data. The finding indicates that plantation workers mainly have positive attitudes toward implementing IPM practices even though there were problems in implementing the practices. Based on factor analysis three (3) factors were identified to influence plantation workers towards implementing IPM practices. These factors are knowledge, awareness and attitudes of the plantation workers. The reliability analyses were used to determine the internal consistency. Research findings found overall factors showed Cronbach's Alpha is acceptable means there are more than 70 per cent. The multiple regression method was used to examine the relationship between set of independent variable and one dependent variable. Research findings revealed that factor of knowledge contributed to the highest significant relationship toward IPM practices with standard coefficient 60.90 per cent and significant value is below than 0.05. There was a need to intensify plantation workers awareness, knowledge and attitudes on Integration Pest Management through many ways from poor understanding and practices about IPM to the successful, to better that towards attaining the sustainable in plantation agriculture sector.