

*Programme and Abstracts*

# PIMES

## PLANTATION MANAGEMENT EXHIBITION & SEMINAR

15th December 2018

**Faculty of Plantation and Agrotechnology**  
Universiti Teknologi MARA  
Melaka Branch, Jasin Campus  
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**PLANTATION MANAGEMENT EXHIBITION AND SEMINAR 2018 (PiMES)***Melaka, Malaysia**December 15, 2018*

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## **DEAN PREFACE**



Assalamualaikum Warahmatullahi Wabarakatuh

My heartiest congratulations go to the Committees for successfully organized PIMES September 2018. PIMES September 2018 enables lecturers and panels from strong industrial background to reflect and share significant ideas, experiences and research findings in the workplace and in partnerships. It is also hoped to encourage collaboration among the lecturers and enhance the quality and performance of the faculty. The research findings derived from this substantial event shall indicate the commitment of lecturers not only in teaching, but also in striving to unfold new knowledge and processes that will benefit the nation. The efforts of our lecturers need to be further extended to a wider audience so that the nation will benefit from the research findings. It is also hoped that, the proceedings will trigger serious thought and more robust research in the field of education as well as plantation and technology so as to help Malaysia achieve Vision 2020.

As we know, agriculture production has increased tremendously today because of the demand from various sectors in the world. To meet the challenges of increasing food demand, techniques and ways should be created to improve productivity, profitability and sustainability of the agricultural system. Industrial agricultural system has led to irretrievably changes in the landscape diversity, soil quality, environment integrity, and natural resource base. This has resulted major questions and curiosity worldwide in relation to the sustainability of agricultural production system. The most significant damage to natural ecosystems and the environment was caused by habitat conversion and corresponding climate change, loss of biodiversity and ecosystem functions, soil erosion and degradation, and pollution from fertilizers and pesticides. Concepts in plant protection have changed in past decades from exclusion or destruction of pest to pest management. Serious problems with pesticides, rapid development of pest resistance, environmental effects of pesticides, and high costs led to development of new approaches and techniques in pest management based on improved knowledge of pest dynamics and their natural enemies, and the interaction between the pest and the crop.

It remains only for me to thank all those who have helped to make this events such a great and wonderful success. Much appreciation is due to the board editor, and reviewers of all papers submitted as well as to all authors whose ideas and contributions ensured rich and lively discussion during the various sessions.

*DEAN,*

*Assoc Prof Dr Asmah Awal*

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### **INTRODUCTION**

The PiMES committee and UiTM (Melaka), Jasin Campus residents are very pleased to welcome all participants in the Plantation and Management Seminar (PiMES) which is organized by Faculty and Agrotechnology.

PiMES aims to give an exposure to the students about the procedure to make a poster by extracting information from their final year project. This seminar will sharpen their communication skill as well as they can exchange and share their research result, projects, experiences and new ideas related to all aspects of studies in plantation management and agribusiness, plant sciences, soil sciences, plant protection, plant biotechnology and agricultural engineering. We sincerely hope that you will enjoy and return home with plenty of inspiration to improve agro-industry plantation practices and research activities.

**FARMERS ATTITUDE TOWARDS THE PRODUCTIVITY OF RICE IN  
PPK JAYA PERINGAT, KELANTAN.**

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**ABSTRACT**

Rice, *Oryza sativa* is one of the common crops in the Malaysia that also as a staple food for humans. Attitudes are one of the aspects that affect the rice productivity of farmers. Mostly the farmers misunderstanding of their attitudes, whether it relates or not towards the productivity of rice yield. The objectives of this study are to examine the relationship between the attitudes with rice productivity of farmers. And to determine the most dominant of attitude factor that affect the productivity of farmers. This study was conducted on 92 respondents that comes from the farmers under the Pertubuhan Peladang Kawasan (PPK) Jaya Peringat, Kelantani. Data were collected by well-structured and reliable questionnaires. The independent variables for this study consists of attention to farming practices, openness to ideas, stress behavior and risk taking. While, independent variables in this study is the rice productivity of farmers. Two analysis testing used in this study to achieve the objectives which are correlation analysis and multiple linear regression. From the correlation analysis, the results show that the attitude factor which is stress behaviour gives the positive strong relationship (0.606) on the rice productivity. Meanwhile, for the multiple linear regression, openness to ideas is the most dominant attitude factor that affects the productivity of farmers. As a conclusion, attitude factor of openness to ideas play an important role towards the rice productivity of farmers. A suggestion to improve the rice productivity of farmers for the agricultural government sector, extension officers should consider farmers attitudes when addressing development strategies or training programs in order to obtain strong cooperation from farmers.

*Keywords: Rice, farmers, attitudes, productivity*