



Programme and Abstracts

PIMES

**PLANTATION MANAGEMENT
EXHIBITION & SEMINAR**

15th December 2018

Faculty of Plantation and Agrotechnology
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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.

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THE INFLUENCE OF SOCIOECONOMIC FACTOR AMONG THE ORGANIZED SMALLHOLDER TOWARDS THE AWARENESS OF MSPO AT FELCRA SERI MENDAPAT, JASIN, MELAKA

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ABSTRACT

Malaysia Sustainable Palm Oil (MSPO) is an organization that responsible in monitoring, controlling and evaluating economic, social and environmental impacts of the production in Malaysia. In this study, the researcher focus more on the influence of socioeconomic factor among the organized smallholders toward the awareness of MSPO. This survey is conducted based on two main objective which are to identified the factor that influence the smallholders towards the awareness of MSPO and to identify the relationship and the best dominant factor toward the awareness of MSPO. The number of population in this area is around 225 smallholders. But generally this area are divided to two types of smallholder which are independent smallholder that consists of 150 smallholders and the dependent smallholder that consists of 75 smallholders. This study is conducted only on dependent smallholders. Based on krejcie and morgan table, the sample of the population for the 75 persons is only 63 sample. Thus, this survey is conducted by distributed questionnaire to the smallholders around 63 persons that are selected randomly in Felcra Seri Mendapat, Melaka. Data collected will be analyzing using the Statistical Package for Social Science (SPSS) in order to get results for descriptive analysis, factor analysis, correlation and also regression. As for regression analysis, the experience factor shows the highest coefficient among the others factor with 0.325 value. The result also shows that R^2 is 0.659 which indicate that 61% of the independent variables have been identified in this study. Hence, it can be concluded that experience has become the most dominant factor among the others factor. The others factor such as knowledge, government status and training also gave some affect to the MSPO awareness but it not highly as compared to the experience. For the recommendation, researcher should more study about the others factor that can influence the MSPO awareness.

Keywords: Awareness, Organized Smallholders, Malaysia Sustainable Palm Oil (MSPO), Socioeconomic, Influence