



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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ANALYSIS ON SMALLHOLDER PREFERENCES ON SELLING THEIR YIELD AT PERTUBUHAN PELADANG KAWASAN (PPK), SRI MEDAN, BATU PAHAT, JOHOR

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ABSTRACT

The fresh fruit bunch (FFB) middlemen sub-sector is part of Malaysia palm oil supply chain. It is interrelated with other sub sectors either directly or indirectly. It serves as a intermediary between the smallholder and the millers. Middleman need to be efficient so that the FFB sent to the mills within 24 hours after harvesting remain in good quality. As the private middlemen, they always take advantage toward the oil palm farmers. Some farmers prefer to sell to private middlemen due to several factors such as transportation, storage and the middlemen offer them higher price than the market price. While smallholder still prefer to selling their oil palm fruit to PPK as them offer not so high price and they provide efficient storage, trustworthy and also incentive. The purpose of the study is to identify the most preferable of independent smallholders when they selling their Fresh Fruit Bunch (FFB) at PPK. The study was conducted in several communities at Sri Medan. Batu Pahat. Primary data with structured questionnaire were collected from 200 respondents of smallholder using stratified sampling. Factor Analysis is used to analyse relationship between price of the oil palm, incentive offered by middlemen and government assistance towards smallholder preferences when selling their yield. Based on factor analysis result shown, the value of KMO for this study was 0.867 which is acceptable and reliable for conducting factor analysis. These 3 factor collectively explained 53.937% of the total variation of the factor influencing smallholder preferences when they were selling their Fresh Fruit Bunch (FFB). For this data, Bartlett's test is highly significant ($p < 0.001$) and therefore factor analysis is appropriate. The study can be useful guide to PPK to improve the smallholder development and income.

Keywords: Preferences, Smallholder, Fresh Fruit Bunch (FFB), PPK