



Programme and Abstracts

PIMES

**PLANTATION MANAGEMENT
EXHIBITION & SEMINAR**

15th December 2018

Faculty of Plantation and Agrotechnology
Universiti Teknologi MARA
Melaka Branch, Jasin Campus
77300 Merlimau, Melaka, Malaysia

PLANTATION MANAGEMENT EXHIBITION AND SEMINAR 2018 (PiMES)

Melaka, Malaysia

December 15, 2018

NO	CONTENTS	PAGES
1.	The Dean, Faculty of Plantation and Agrotechnology, Universiti Teknologi MARA	1
2.	Introduction PiMES	3
3.	Committees	4
4.	Schedule of PiMES	5
5.	Room Distribution For Poster Presentation	7
6.	Distribution For Poster Presentation	8
7.	Abstracts	29
8.	List Of Panels Industries	241

PLANTATION MANAGEMENT EXHIBITION AND SEMINAR 2018 (PiMES)

*Melaka, Malaysia
December 15, 2018*

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

PLANTATION MANAGEMENT EXHIBITION AND SEMINAR 2018 (PiMES)

Melaka, Malaysia

December 15, 2018

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.

THE CHALLENGES AND ACCEPTANCE OF FRESH FRUIT BUNCH (FFB) BUYERS IN PURCHASING THE MSPO CERTIFIED PRODUCT: CASE OF PALM OIL MILL ORGANIZATION IN PERAK.

Zarul Rizal Muhammad, Firdaus Aziz*

Faculty of Plantation and Agrotechnology, UiTM (Malacca) Jasin Campus, 77300, Malacca.

Corresponding Author:

firdausaziz@uitm.edu.my

ABSTRACT

Recently, Malaysia have an issue in the oil palm industry on how to ensure the sustainable production of palm oil product without neglect of environmental and future concern. Between 2013 and 2014 the growth of crude palm oil production was very favorable rising from 19.2 million tons to 19.6 million tons or 2.3% (MPOC, 2015). In this case, the FFB price have suddenly decreasing and give the high impact to the oil palm producer. However, with MSPO certification and dealing with FFB dealers probably can help the oil palm producer to acquire premium price for the FFB. This study focus on challenge of FFB dealers (Mill) and their acceptance in purchasing the MSPO certified product. Regarding that matter, these study aim to estimate the challenge and acceptance among the palm oil mill in purchasing the MSPO certified product. Besides that, this study also is to determine the most dominant factor that influences to purchase the MSPO certified product. The method in conduct this research by distribute questionnaire to the selected palm oil mill organization in Perak. The sample size for this study are 40 palm oil mill organization are randomly selected as a respondents for this study. The questionnaire was sent to the palm oil mill by email or manually spread to the respondent. All the data recorded and analyze by using the Statistical package for Social Science (SPSS) consists of the descriptive analysis and multiple regression. Based on the result obtained . show that the most dominant factor influencing purchasing the MSPO certified product which are the independent variable acceptance with 42.7% while challenge are 31.0% related to purchasing certified product.

Keywords: Challenge, Acceptance, Purchasing, MSPO, Product.