

INTRODUCTION

IKP is an institute that brings together researchers of different expertise in UPM to assist Malaysian plantation industry and government-related agencies in upstream and downstream activities of plantation crops. Various aspects are covered including:

Enhancing quality of plantation crops through efficient production system and good agricultural practices

Bioeconomy-Bio-based products with wide range of applications to boost economy

Development of agricultural mechanization systems and model for a modern, high-technology farm production structure

Bio-sensing and instrumentation on production technologies focusing on harvesting, grading, processing and storage of plantation products

Development of safer food products from plantation crops using environmentally friendly technology

Production of green industrial products using renewable raw materials and clean energy

Our goals is:

To provide consultancy services to the plantation sector

To commercialize research findings and technology relevant to plantation industry

To conduct basic and applied research in upstream and downstream activities of plantation industry

To produce competitive postgraduate in plantation studies

ADMISSION REQUIREMENT

MASTER DEGREE PROGRAM

The applicant should possess:

A Bachelor's degree (with honours) in a relevant field with a minimum CGPA of 2.75;

or

A Bachelor's degree (with honours) with CGPA of 2.50-2.74 with minimum 3 years of working experience in a relevant field and/or passed a special assessment;

or

A Bachelor's degree (with honours) in a relevant field with CGPA below than 2.50 must have at least 5 years of working experience in a related field.

DOCTORAL DEGREE PROGRAM

The applicant should possess:

A Master degree (with thesis) in a relevant field;

or

A Master degree (with coursework) in a relevant field with a minimum CGPA of 3.00;

or

A Bachelor's degree with a minimum CGPA of 3.75 or equivalent with a first class Bachelor's degree.

FIELD OF STUDY

IKP offers both Master and Doctoral degree programme with thesis in the respective fields of study based on the three laboratories:

Laboratory of Sustainable Agronomy and Crop Protection (SACP)

1. Pest Management
2. Plant Pathology
3. Plant Biotechnology
4. Sustainable Plantation Management
5. Agribusiness
6. Agricultural Economics
7. Agricultural Genomics
8. Bioinformatics and System Biology
9. Molecular Biology and Genetic Engineering
10. Molecular Biotechnology

Laboratory of Plantation System Technology and Mechanization (PSTM)

1. Agricultural Mechanization and Automation
2. Agricultural Process Engineering
3. Agricultural Technology
4. Plantation Technology

Laboratory of Processing and Product Development (PPD)

1. Chemical Engineering
2. Green Engineering
3. Energy
4. Catalysis
5. Environmental Biotechnology
6. Industrial Biotechnology
7. Microbial Biotechnology
8. Microbiology

INDUSTRIAL LINKAGES



Malaysian Palm Oil Board (MPOB)



Malaysian Rubber Board (MRB)



Sime Darby Plantation Berhad (SDPB)



Federal Land Development Authority (FELDA)



Pertubuhan Peladang Kawasan (PPK) Bakri, Muar, Johor



Rubber Industry Smallholders Development Authority (RISDA)



Environment and Plant Protection Institute, Chinese Academy of Tropical Agricultural Sciences (EPPI-CATAS), Hainan, China



All Cosmos Industries Sdn Bhd



UMW M&E Sdn Bhd



Skymind Holdings Berhad



AHN Vertex Sdn Bhd



INSTITUTE OF PLANTATION STUDIES

POSTGRADUATE PROGRAMMES

For further details on Postgraduate Programmes at IKP and information regarding available financial assistance, please contact:

Postgraduate Unit
Institute of Plantation Studies (IKP)
Universiti Putra Malaysia
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