

UPM AT A GLANCE

140+
DEGREE
PROGRAMS

3000 HECTARE
MAIN CAMPUS
+ BRANCH CAMPUS

1700+
ACADEMIC
STAFFS

100+
STUDENT
ORGANIZATIONS

26,000 STUDENT FROM
60 COUNTRIES
40% POSTGRADUATE STUDENT
17% INTERNATIONAL STUDENTS

16 FACULTIES
10 INSTITUTES
1 SCHOOL
1 ACADEMY

120+
NATIONAL
ATHLETES



UPM

UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

INTRODUCTION

Universiti Putra Malaysia (UPM) is one of Malaysia's premier public Universities with an array of disciplines

Founded in 1931 and known internationally as one of the distinguished universities in the region

Accorded the status of "Research University" in 2006

Awarded Autonomy University status in 2012

Awarded Self-Accreditation status (Academic Programs Quality) in 2010



UNIVERSITI PUTRA MALAYSIA
AGRICULTURE • INNOVATION • LIFE

PIONEERING UNIVERSITY WITH PROVEN TRACK-RECORD

The first to offer an **agriculture** program in Malaysia



The first certified **halal product research** institute Malaysia (R&D)



UPM professor was the first in Asia to win the **Carlos. J. Finlay Award** in Microbiology



The first to offer **Bioscience, Biotechnology, Veterinary, Food Science & Technology, Forestry** programs in Malaysia



The first and only international **Biomass Technology Centre** in the country undertaking R&D in tropical biomass



The first and only national **ageing research institute** Malaysia



UPM ranks in the **Top 1.0%** of universities worldwide

229th

QS World University Rankings

17th

QS Top 50 Under 50

REUTERS

Top 75

Asia's Most Innovative Universities

36th

QS Asia University Rankings

PUTRA
GLOBAL
200



34th

UI GreenMetric University Rankings

5 Star

QS Star Universities Ratings

89th

THE BRICS & Emerging Economics World Rankings

**Agriculture Science
program rankings**

Top 100

QS World University
Ranking by Subjects

42nd

US News & World
Report

67th

National Taiwan
University Ranking



R&D AT UPM



FACULTIES & SCHOOL

1

School

- SCHOOL OF GRADUATE STUDIES

16

Faculties

- FACULTY OF AGRICULTURE
- FACULTY OF SCIENCE
- FACULTY OF ENGINEERING
- FACULTY OF EDUCATIONAL STUDIES
- FACULTY OF FOOD SCIENCE & TECHNOLOGY
- FACULTY OF FORESTRY
- FACULTY OF VETERINARY MEDICINE
- FACULTY ECONOMICS & MANAGEMENT
- FACULTY OF HUMAN ECOLOGY
- FACULTY OF MODERN LANGUAGES & COMMUNICATION
- FACULTY OF DESIGN & ARCHITECTURE
- FACULTY OF MEDICINE & HEALTH SCIENCES
- FACULTY OF ENVIRONMENTAL STUDIES
- FACULTY OF AGRICULTURE & FOOD SCIENCE
- FACULTY OF COMPUTER SCIENCE & INFORMATION TECHNOLOGY
- FACULTY OF BIOTECHNOLOGY & BIOMOLECULAR SCIENCES



RESEARCH INSTITUTES

10

Institutes

*Institute of Bioscience

Institute of **Advanced Technology**

Malaysian Research Institute of **Ageing**

Institute of **Mathematical Research**

Institute of **Halal Product Research**

Institute of **Agricultural & Food Policy Studies**

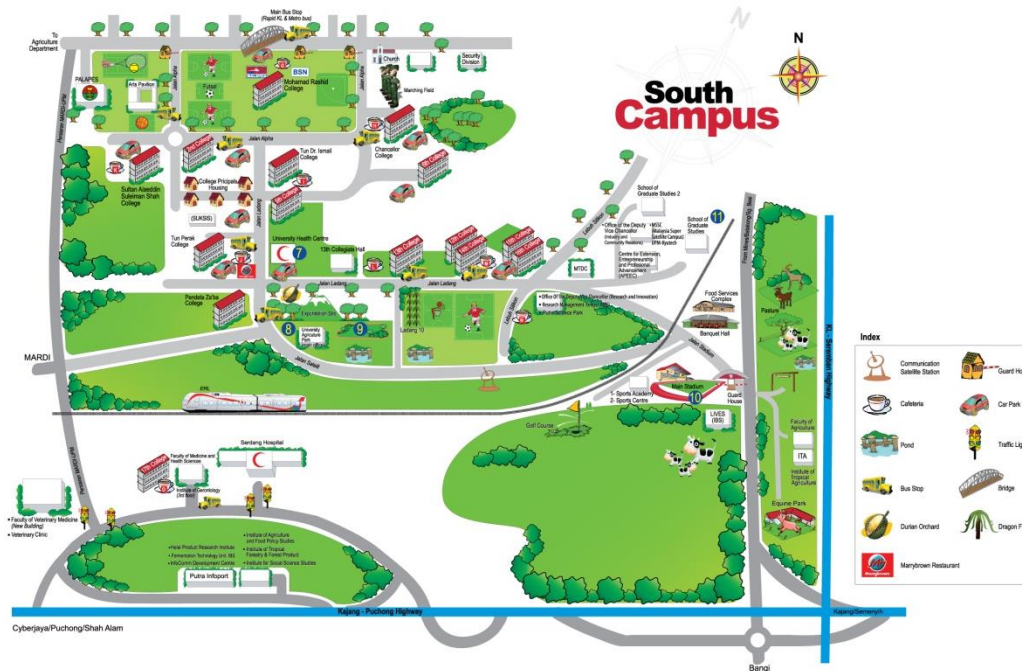
*Institute of Tropical Forestry & Forest Product

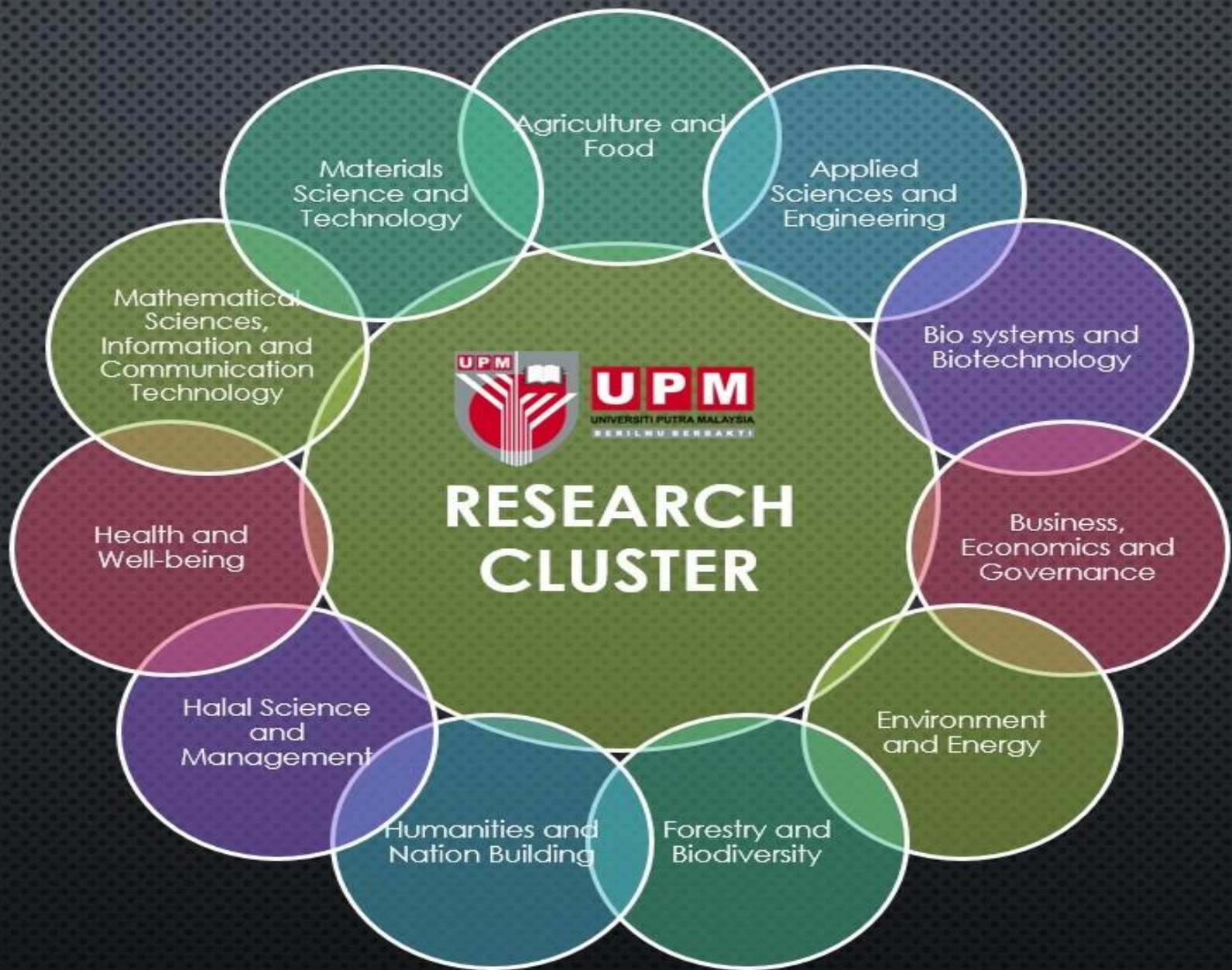
Institute of **Social Science Studies**

*Institute of Tropical Agriculture & Food Security

Institute of **Plantation Study**

*** Awarded as Higher Education Centers of Excellence -
HICoE**





Blockbuster Research

COSMOS

Continuous Operating System for Microalgae Culture
(Optimized for Sustainable Tropical Aquaculture)



A research grant under the SATREPS program
funded by JICA-JST-MOHE

Total fund of USD 4.0 million (~ RM14.5
million) for a period of five (5) years



The technology is believed to be effective in
reducing environmental pollution

Partners:



UPM
UNIVERSITI PUTRA MALAYSIA



unisel
UNIVERSITI SELANGOR



東京大学
THE UNIVERSITY OF TOKYO



National
Institute for
Environmental
Studies, Japan



Funders:



Japan Science and Technology Agency

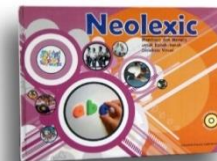
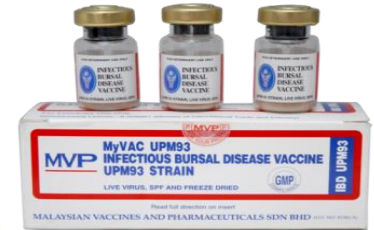


Japan International
Cooperation Agency



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UPM COMMERCIALIZATION



More than 2200 IP filed

135 IP commercialized with gross sales more RM58.91 millions. 6.4% of innovation being transferred to industry

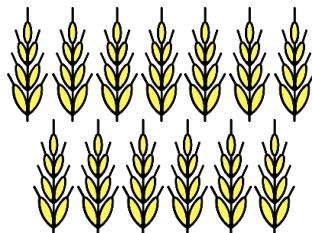
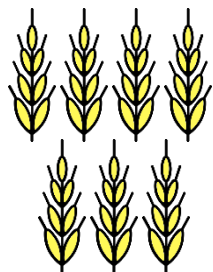
Awarded National Intellectual Property Awards : THE BEST ORGANIZATION for 2008, 2012, 2014 and 2016.



Impact: *Translational Research*



PadiU Putra



+20%

Production



RM 1k

Additional income per tonne



E-cutter

- The 'e-cutter' was developed as part of the university's translational research programme in collaboration with the Higher Education Ministry and the Federal Land Development Authority (Felda).
- The innovation was co-developed by Professor Dr. Norhisam Misron from UPM's Engineering Faculty and Abdul Razak Jelani, research officer from the Malaysian Palm Oil Board.
- E-cutter is fully powered by electricity and can reach oil palm trees as high as 30 feet
- 1,000 units of the machine would be distributed to Felda smallholders in stages



Higher Education Minister Datuk Seri Idris Jusoh tries out the electric cutter

Funders:



KEMENTERIAN PENDIDIKAN TINGGI

Pepper Processing Machine



- 1) Driving wealth for B40 community
- 2) Automization of white pepper production of premium quality
- 3) Increase productivity and revenue for more than 30%
- 4) Total Orders To-date : 2 units awarded to 2 longhouse community in Betong, Sarawak (largest White Pepper production area in Malaysia) under the Rural Transformation Program (RTP)
- 5) Total investment: RM280,000

FUNDERS:



APRIL 2016: With pepper farmers of Rumah Panjang Banyang, Melabu Bair, Ulu Layar



APRIL 2017: Demonstration of the machine with pepper farmers of Rumah Panjang Melina, Luing, Spak

Money Genius



- 1) Penetrating Malaysian School
- 2) Receive international and national awards



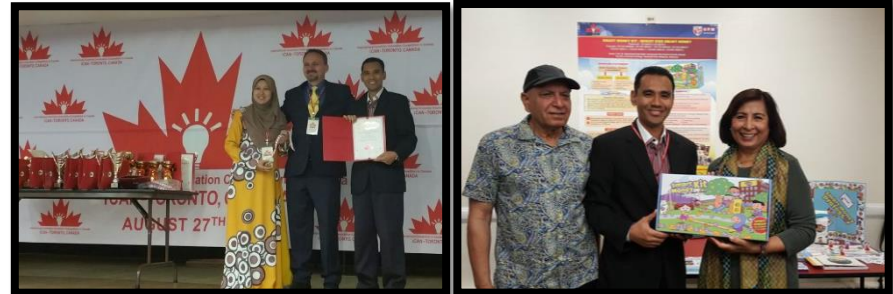
Anugerah Harta Intelek Negara 2015 Putra World Trade Center (PWTC) Kuala Lumpur
September 2015

THE GRAND AWARD + RM 10,000 CASH
Category: Copyrights (Profesor Bijak Wang)

COMMUNITY PROGRAMS



PROGRAM INFAK KIT BIJAK WANG
In conjunction with Bulan Ramadhan
Selangor



2016 International Invention Innovation Competition in Canada (iCAN 2016)

GOLD AWARD & SPECIAL AWARD
Category: Children Invention



PROGRAM BIJAK WANG
With Sekolah Rendah Komuniti Serdang, Selangor

FUNDERS:



KEMENTERIAN PENDIDIKAN TINGGI

Researchers Profile

List of researchers who involve in rubber related research

Name	Faculty	E-mail
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Thank You | Terima kasih