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
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.
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. Here are some of the rankings UPM has achieved:

- **229th** in the **QS World University Rankings**
- **36th** in the **QS Asia University Rankings**
- **5 Star** in the **QS Star University Ratings**
- **17th** in the **QS Top 50 Under 50**
- **34th** in the **UI GreenMetric University Rankings**
- **89th** in the **THE BRICS & Emerging Economics World Rankings**

UPM is particularly strong in Agriculture Science, ranking in the Top 100 by subjects according to QS World University Ranking by Subjects. As of Dec 2017.
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
RESEARCH CLUSTER

- Agriculture and Food
- Applied Sciences and Engineering
- Bio systems and Biotechnology
- Business, Economics and Governance
- Environment and Energy
- Forestry and Biodiversity
- Humanities and Nation Building
- Halal Science and Management
- Health and Well-being
- Mathematical Sciences, Information and Communication Technology
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:

Funders:
More than 2200 IP filed

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


As of March 2017
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.
Pepper Processing Machine

1) Driving wealth for B40 community
2) Automation 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

GOLD AWARD & SPECIAL AWARD
Category: Children Invention

2016 International Invention Innovation Competition in Canada (iCAN 2016)

PROGRAM BIJAK WANG
With Sekolah Rendah Komuniti Serdang, Selangor

FUNDERS:
# Researchers Profile

List of researchers who involve in rubber related research

<table>
<thead>
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Thank You | Terima kasih