



UPM PUTRA
UNIVERSITI PUTRA MALAYSIA
PERTANIAN UNTUK RAKYAT



SUSTAINABILITY REPORT

2025





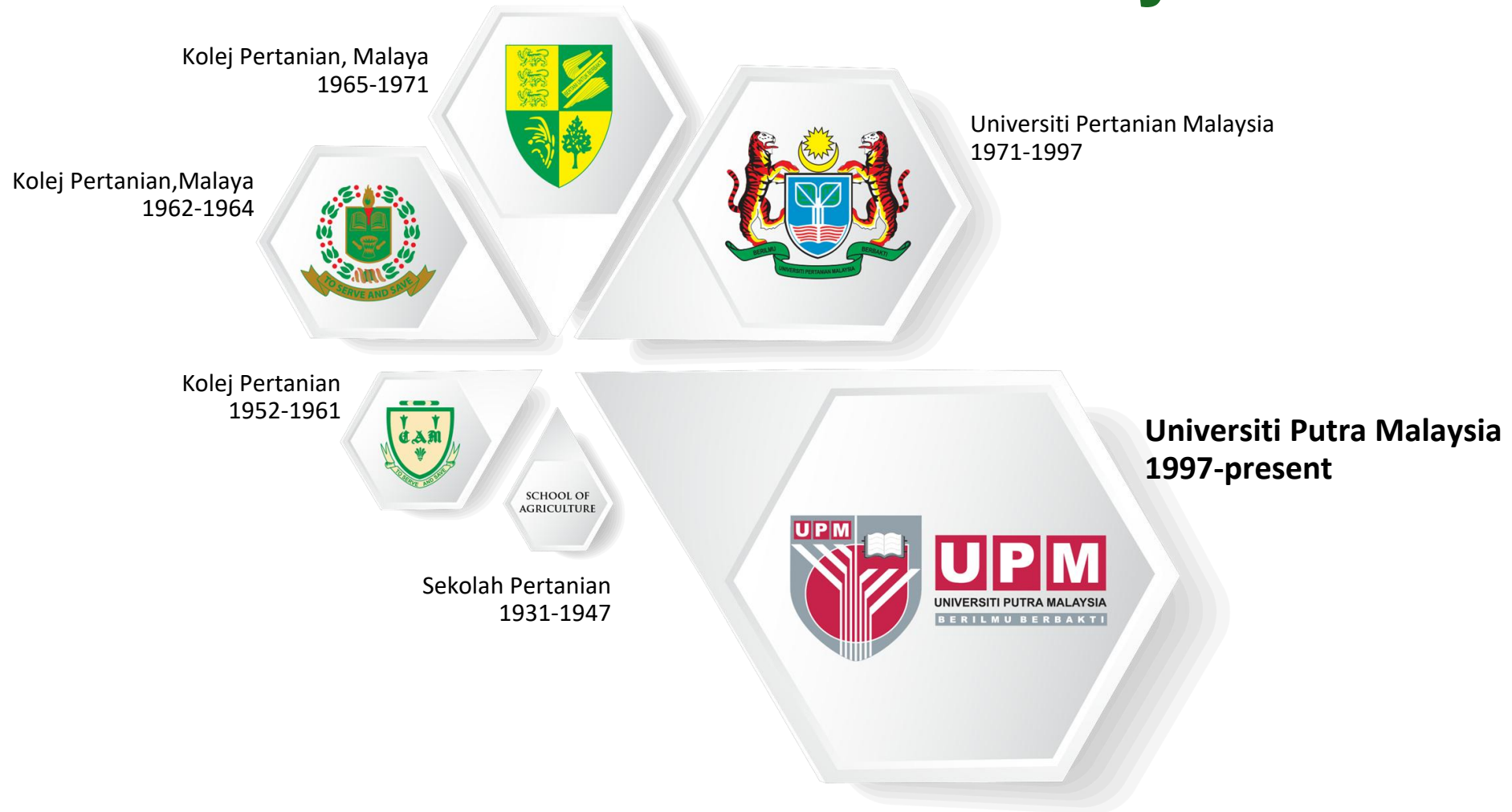
Sustainability UPM



Universiti Putra Malaysia (UPM) is endowed with a vast land area of approximately 3,000 hectares across its Serdang and Sarawak campuses. This extensive physical setting has long supported UPM's role as a living laboratory for agriculture, environmental management, and sustainability-oriented innovation. UPM's sustainability agenda is deeply rooted in its origins as an agricultural institution, with early emphases on food security, land stewardship, and community well being shaping its teaching and research through its pioneer faculties of Agriculture, Forestry, and Veterinary Medicine and Animal Sciences. As UPM developed into a comprehensive multidisciplinary research university, these foundations expanded into broader commitments to environmental responsibility, ecosystem management, and societal impact.

Over the past decade, sustainability principles have been progressively integrated across academic programmes, research institutes, and community engagement initiatives, while food security remains a strategic core. This trajectory was further strengthened by the establishment of the Sustainability and Green Campus Section in 2022, which coordinates green campus initiatives, resource management, and SDG-aligned programmes. More recently, UPM's sustainability agenda has accelerated, guided by the national action plan and anchored in its True North framework, which embeds sustainability as a core value supported by commitments to good governance, talent development, financial resilience, and a conducive campus environment

History of UPM





Vision

To become a university of international repute



Mission

To make a significant contribution to the formation of prosperity and national development as well as the well-being of humanity through the exploration and dissemination of knowledge



Educational Goal

To produce outstanding graduates (*bitara*) who are holistic, compassionate, patriotic, and resilient



Values

Ihsan, Diversity, and Sustainability

Location



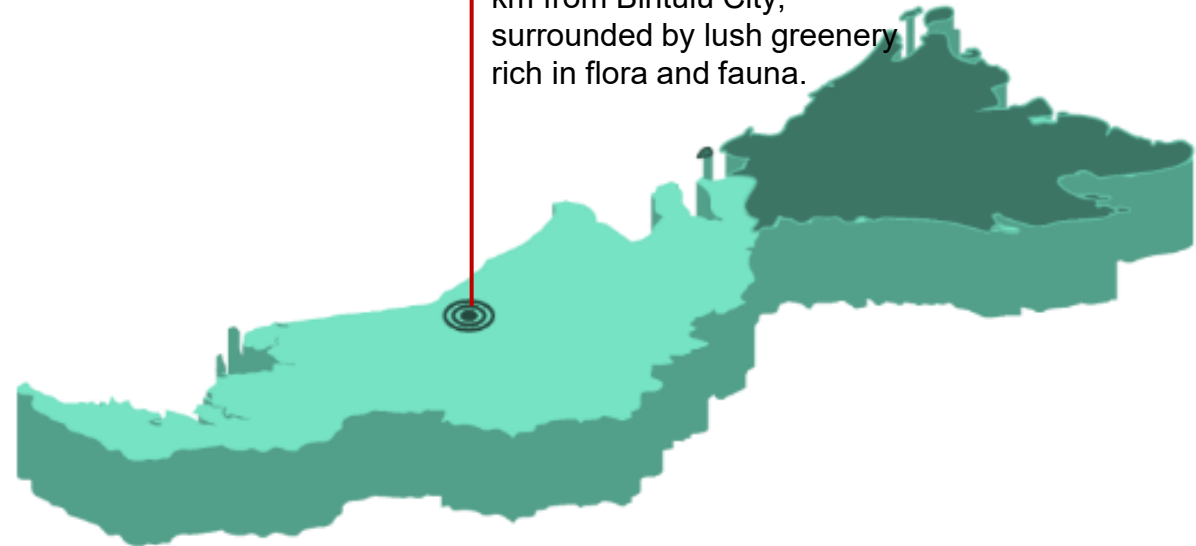
3,000 hectare

Located within 30 minutes to Kuala Lumpur, Putrajaya & KLIA



714.18 hectare

UPM Sarawak is located 13 km from Bintulu City, surrounded by lush greenery rich in flora and fauna.

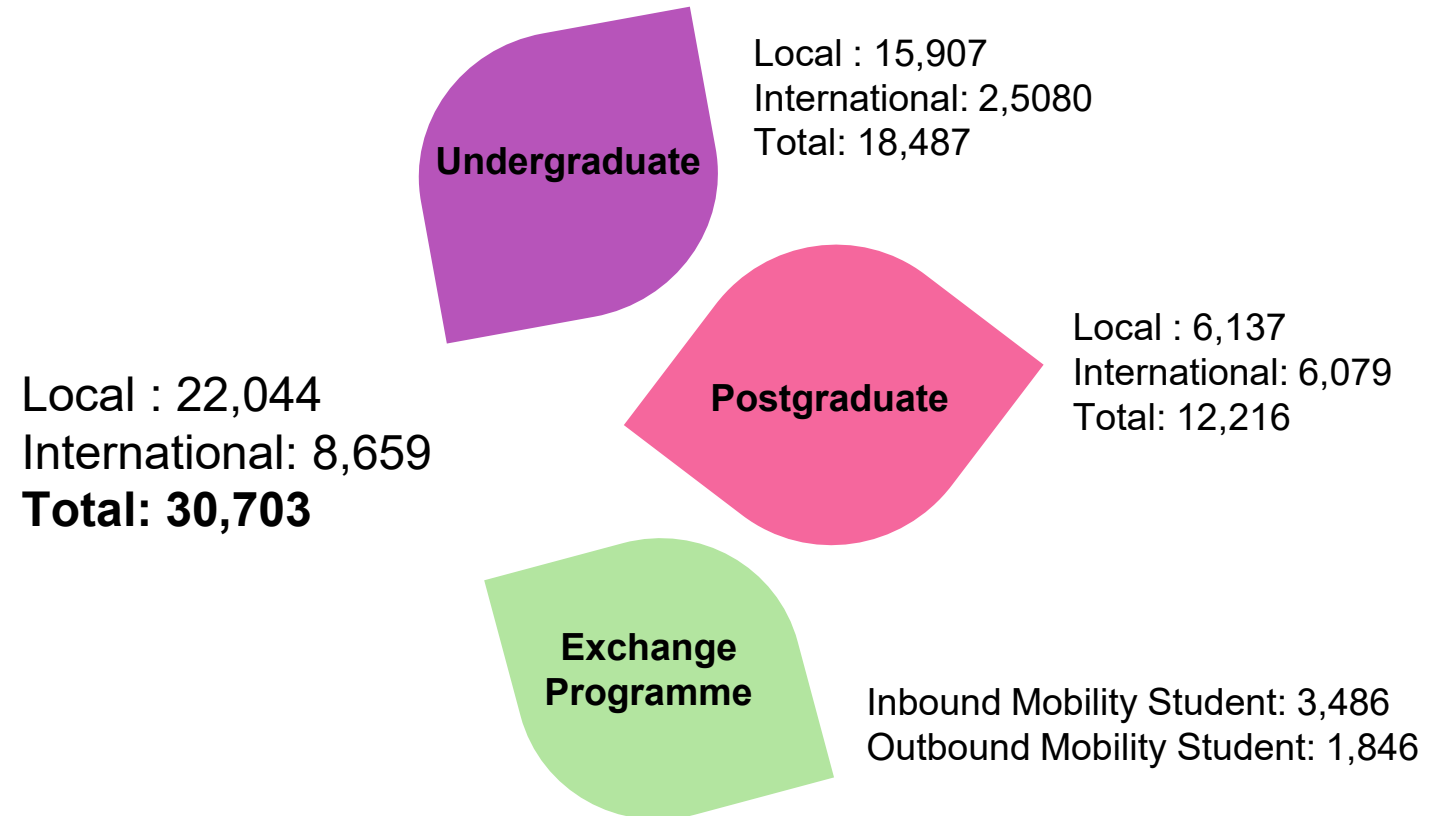




Student



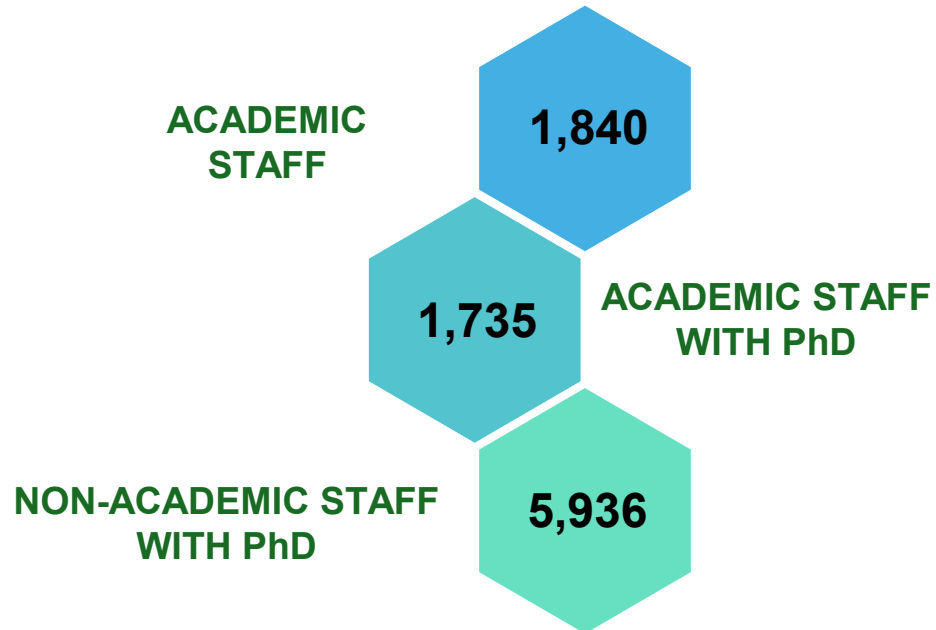
UPM's student population comprises Malaysians and international students from over 75 countries, creating a uniquely diverse and vibrant community that offers enriching and memorable experiences for all.



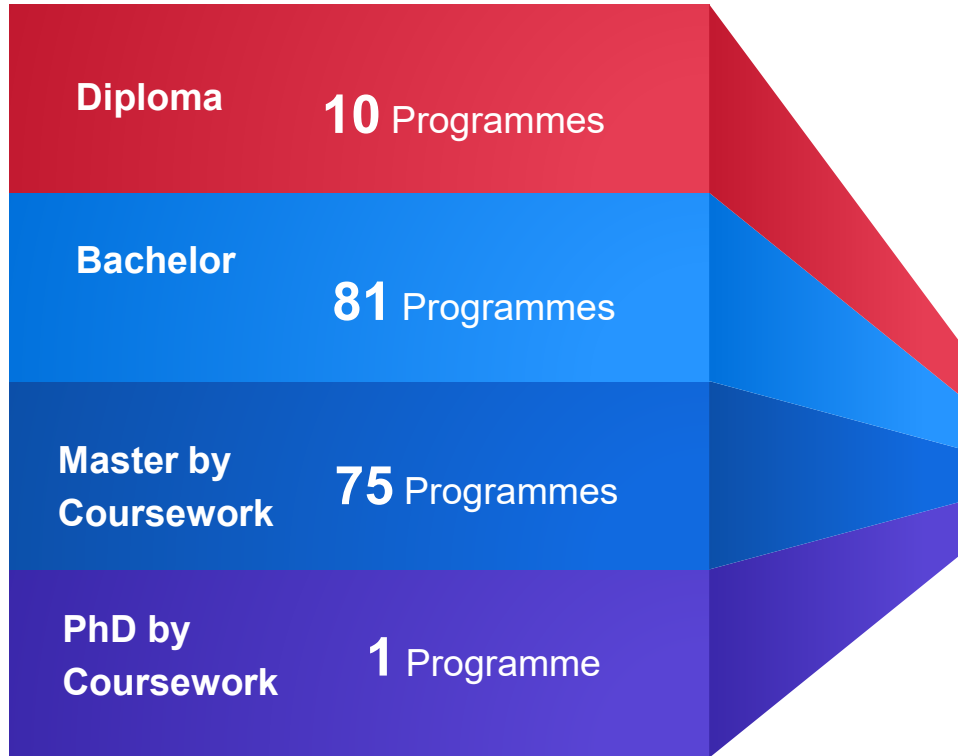
Staff



UPM's world-class faculty and staff contribute to high-quality teaching, impactful research, global partnerships, and community engagement, strengthening the university's reputation as a leading institution in advancing knowledge and sustainable development.

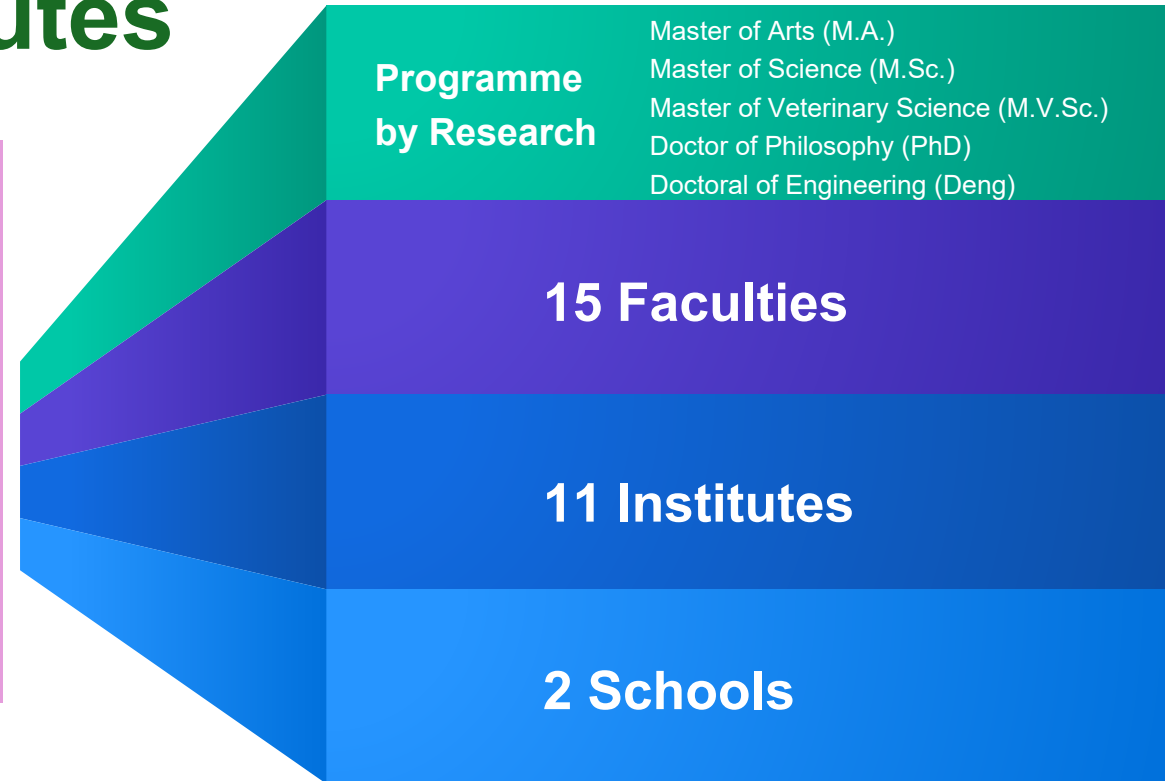


Faculties, Schools & Institutes



Institutes

More than 300 field of study registered under National Education Code (NEC) in Malaysia Qualification Register (MQR)



3 Higher Education Centre of Excellence (HICoE)

- Institute of Bioscience (IBS)
- Institute of Tropical Forestry and Forest Products (INTROP)
- Institute of Tropical Agriculture and Food Security (ITAFoS)

Foundation

The Centre of Foundation Studies In Science Universiti Putra Malaysia (ASPutra)

Academic Programmes

Undergraduate Programmes

UPM has 15 faculties, two schools and a centre offering a wide range of academic programmes at undergraduate level to meet the students' needs. The self accreditation status awarded to UPM reflects its high-quality eco-system which is crucial for effective learning transfer, and high-quality academic programmes in line with its status as one of the leading research universities in the country.

Programmes of Study

1. Faculty of Agriculture

- Bachelor of Agricultural Science with Honours (4 years)
- Bachelor of Horticultural Science with Honours (4 years)
- Bachelor of Science in Agribusiness with Honours (4 years)
- Bachelor of Agriculture in Aquaculture with Honours (4 years)
- Bachelor of Agriculture in Animal Science with Honours (4 years)
- Bachelor of Science Plantation Management with Honours (4 year)

2. Faculty of Forestry and Environment

- Bachelor of Forestry Science with Honours (4 years)
- Bachelor of Wood Science and Technology with Honours (4 years)
- Bachelor of Parks and Recreation Science with Honours (4 years)
- Bachelor of Environmental Sciences and Technology with Honours (4 years)
- Bachelor of Environmental Management with Honours (4 years)

3. Faculty of Veterinary Medicine

- Doctor of Veterinary Medicine (5 years)

4. Faculty of Engineering

- Bachelor of Civil Engineering with Honours (4 years)
- Bachelor of Electrical and Electronic Engineering with Honours (4 years)
- Bachelor of Chemical Engineering with Honours (4 years)
- Bachelor of Agricultural and Biosystems Engineering with Honours (4 years)
- Bachelor of Mechanical Engineering with Honours (4 years)
- Bachelor of Aerospace Engineering with Honours (4 years)
- Bachelor of Process and Food Engineering with Honours (4 years)
- Bachelor of Computer and Communication Systems Engineering with Honours (4 years)

5. Faculty of Educational Studies

- Bachelor of Science in Human Resource Development with Honours (4 years)
- Bachelor of Education Physical Education with Honours (4 years)
- Bachelor of Education in Guidance and Counselling with Honours (4 years)
- Bachelor of Education in Malay Language with Honours (4 years)
- Bachelor of Education in Teaching English as a Second Language (TESL) with Honours (4 years)
- Bachelor of Education in Home Science with Honours (4 years)
- Bachelor of Education in Agricultural Science with Honours (4 years)
- Bachelor of Counselling with Honours (4 years)

6. Faculty of Science

- Bachelor of Science in Biology with Honours (4 years)
- Bachelor of Science in Mathematics Honours (4 years)
- Bachelor of Science in Statistics with Honours (4 years)
- Bachelor of Science in Physics with Honours (4 years)
- Bachelor of Science in Chemistry with Honours (4 years)
- Bachelor of Science in Industrial Chemistry with Honours (4 years)
- Bachelor of Science in Petroleum Chemistry with Honours (4 years)
- Bachelor of Science with Honours in Materials Science (4 years)
- Bachelor of Science with Honours in Instrumentation Science (4 years)
- Bachelor of Science in Biology with Education (Honours) (4 years)

- Bachelor of Science in Physics with Education (Honours) (4 years)
- Bachelor of Science in Chemistry with Education (Honours) (4 years)
- Bachelor of Science in Mathematics with Education (Honours) (4 years)
- Bachelor of Science in Statistics with Education (Honours) (4 years)

7. Faculty of Food Science and Technology

- Bachelor of Food Science and Technology with Honours (4 years)
- Bachelor Science in Food Studies with Honours (4 years)
- Bachelor Science in Food Service Management with Honours (4 years)

8. Faculty of Human Ecology

- Bachelor of Music with Honours (4 years)
- Bachelor of Human Development Science with Honours (4 years)
- Bachelor of Consumer Studies with Honours (4 years)
- Bachelor of Human Development Science with Information Technology (Honours) (4 years)
- Bachelor of Human Development Science with Management (Honours) (4 years)

9. Faculty of Modern Languages and Communication

- Bachelor of Communication with Honours (3 ½ years)
- Bachelor of Arts in Malay Language and Linguistics with Honours (3 ½ years)

- Bachelor of Arts in Malay Literature with Honours (3 ½ years)
- Bachelor of Arts in English Language with Honours (3 ½ years)
- Bachelor of Arts in English Literature with Honours (3 ½ years)
- Bachelor of Arts in Chinese Language Studies with Honours (3 ½ years)
- Bachelor of Arts in Arabic Language with Honours (3 ½ years)
- Bachelor of Arts in French Language Studies with Honours (3 ½ years)
- Bachelor of Arts in German Language Studies with Honours (3 ½ years)

10. Faculty of Design and Architecture

- Bachelor of Landscape Architecture with Honours (4 years)
- Bachelor of Science in Architecture with Honours (3 ½ years)
- Bachelor of Design (Industrial Design) with Honours (4 years)

11. Faculty of Medicine and Health Science

- Doctor of Medicine (5 years)
- Bachelor of Biomedical Sciences with Honours (4 years)
- Bachelor of Science in Dietetics with Honours (4 years)
- Bachelor of Science in Nutrition and Community Health with Honours (4 years)
- Bachelor of Science in Environmental and Occupational Health with Honours (4 years)
- Bachelor of Nursing with Honours (4 years)

12. Faculty of Computer Science and Information Technology

- Bachelor of Computer Science (Computer System) with Honours (4 years)
- Bachelor of Computer Science (Multimedia) with Honours (4 years)
- Bachelor of Computer Science (Computer Network) with Honours (4 years)
- Bachelor of Software Engineering with Honours (4 years)

13. Faculty of Biotechnology and Biomolecular Science

- Bachelor of Science in Biochemistry with Honours (4 years)
- Bachelor of Science in Microbiology with Honours (4 years)
- Bachelor of Science in Biotechnology with Honours (4 years)
- Bachelor of Science in Cell and Molecular Biology with Honours (4 years)

14. Faculty of Agricultural Science and Forestry (UPMKB, Sarawak)

- Bachelor of Bioindustrial Science with Honours (4 years)
- Bachelor of Agriculture in Aquaculture with Honours (4 years)
- Bachelor of Forestry Science with Honours (4 years)
- Diploma in Animal Health and Husbandry (3 years)
- Diploma of Food Estate Management (2 years)
- Diploma in Agriculture (2 years)
- Diploma in Fisheries (2 years) Diploma in Forestry (2 years)

15. Faculty of Agricultural Science and Forestry (UPMKB)

- Bachelor of Bioindustry Science with Honours
- Bachelor of Forestry Science with Honours
- Bachelor of Science in Aquaculture with Honours
- Bachelor of Human Development Science with Management Honours
- Bachelor of Science Honours in Industrial Chemistry
- Diploma in Agriculture
- Diploma in Forestry
- Diploma in Fisheries
- Diploma in Food Estate Management
- Diploma in Animal Health and Husbandry
- Diploma in Agribusiness
- Diploma in Agricultural Engineering Technology
- Diploma in Computer Science
- Diploma in Human Development
- Diploma in Business Management
- Diploma Preparatory Science Programme
- Program Asas Diploma

17. Faculty of Humanities, Management and Science (UPMKB, Sarawak)

- Bachelor of Human Development Science with Management (Honours) (4 years)
- Bachelor of Science in Industrial Chemistry with Honours (4 years)
- Diploma in Agribusiness (3 years)
- Diploma in Agricultural Engineering (3 years)
- Diploma in Computer Science (2 ½ years)
- Diploma Preparatory Science Programme (1 year)

18. School of Business and Economics

- Bachelor of Accounting (Honours) (4 years)
- Bachelor of Economics with Honours (4 years)
- Bachelor of Business Administration with Honours (4 years)
- Bachelor of Applied Finance with Honour (4 years)

Postgraduate Programmes

Universiti Putra Malaysia (UPM) is one of Malaysia's premier institutions, renowned for its long-standing excellence in teaching and research. As one of the nation's five designated Research Universities (RU), UPM is deeply committed to the pursuit of knowledge and offers a rewarding academic experience.

Fields of Study – Programmes by Research

Currently, UPM offers 295 fields of study for Master's and PhD programmes by research. The following are active fields with designated academic supervisors:

Social Science Cluster

- Accounting
- Agribusiness
- Agricultural Economics
- Agricultural Extension
- Agricultural Policy
- Applied Comparative Linguistics
- Arabic Language
- Architectural Studies
- Business Economics
- Business Law
- Chinese Literature
- Communication Technology
- Community Development
- Community Education and Development
- Consumer Science
- Corporate Communication
- Corporate Leadership
- Curriculum and Instruction
- Development Communication
- Developmental Psychology
- Discourse Studies

- Economics
- Education in Malay Language
- Educational Administration
- Educational Psychology
- Educational Technology
- English Language
- English Literature
- Environmental Economics, Planning and Management
- Environmental Education and Ethics
- Environmental Policy and Governance
- Extension Education
- Family Ecology
- Family Economics and Management

- Finance
- Food Management
- Food Service Management
- Gender and Development
- Guidance and Counseling
- Halal Products Management
- Health Education and Communication
- Health Promotion
- Health Service Management
- Hospitality
- Housing
- Human Communication
- Human Development
- Human Resource Development
- Human Resource Management
- Journalism
- Land Resource Management

- Landscape Studies
- Leadership Studies
- Literacy Studies
- Literary and Cultural Studies
- Malay Language
- Malay Literature
- Management
- Marketing
- Mass Communication
- Moral Education
- Music
- Natural Resource Policy
- Occupational Safety and Health Management System
- Organizational Communication

- Philosophy and Civilization Studies
- Physical Education
- Politics and Government
- Organizational Communication
- Psychology of Child Development
- Rural Advancement
- Shariah and Halal Laws
- Shariah and Halal Laws
- Social Psychology
- Sociology of Education
- Sports Science
- Teaching of English as a Second Language
- Teaching of Malay as a First Language

- Teaching of Malay Literature
- Technical and Vocational Education
- Tourism
- Translation and Interpretation
- Urban Planning and Design
- Youth Studies

Science and Technology Cluster

- Advanced Materials
- Aerospace Engineering
- Aerospace System Design Engineering
- Agriculture Genomics
- Agricultural Mechanisation and Automation
- Agricultural Process Engineering
- Agricultural Technology

- Agricultural Waste Engineering
- Agronomy
- Analytical and Structural Mathematics
- Analytical Chemistry
- Anatomy and Histology
- Animal Behavior and Welfare
- Animal Biotechnology
- Animal Nutrition
- Animal Physiology
- Animal Production
- Animal Sciences
- Animal Welfare
- Applied and Computational Statistics
- Applied Mathematics

- Applied Physics
- Aquaculture
- Aquaculture Biotechnology
- Aquaculture Engineering
- Aqua informatics
- Aquatic Animal Health
- Aquatic Biotechnology
- Automotive Engineering
- Avian Medicine
- Bacteriology
- Biochemical Engineering
- Biochemistry
- Biocomposite Technology and Design
- Biodiversity and Conservation of Natural Resources

- Bioinformatics and System Biology
- Biomedical Engineering
- Biopolymer, Pulp and Paper Technology
- Bioresource and Technology
- Bioresource Management
- Biotechnology with Bioentrepreneurship
- Biotherapeutics
- Cancer Biology and Oncology
- Catalysis
- Cell Biotechnology
- Chemical Engineering
- Chemical Pathology
- Clinical Nutrition
- Clinical Pathology
- Clinical Psychology
- Community Nutrition

- Computable Structures and Scientific Computing
- Computational Electromagnetics
- Computational Mathematics
- Computational Methods in Engineering
- Computational Operations Research
- Computer and Embedded Systems Engineering
- Computer Graphics
- Computer Networks
- Computer Vision
- Control System Engineering
- Data Science

- Database Systems
- Computational Electromagnetics
- Ecology
- Electrical Power Engineering
- Electronic Engineering
- Energy
- Engineering and Renewable
- Entomology
- Environmental Biotechnology
- Environmental Engineering
- Environmental Health
- Environmental Hydrology and Hydrogeology
- Environmental Pollution Control Technology

- Environmental Quality and Conservation
- Environmental System and Modelling
- Enzyme Biotechnology
- Epidemiology And Biostatistics
- Epidemiology and Public Health
- Equine Medicine
- Ethnomathematics
- Farm Structures
- Financial Mathematics
- Fisheries Science
- Fluid Dynamics
- Food Biotechnology
- Food Engineering
- Food Safety
- Food Science
- Food Security and Climate Change

- Food Technology
- Forensic Science
- Forest Management and Ecosystem Sciences
- Forestry
- Microbiology
- Molecular Biology and Genetic Engineering
- Molecular Biotechnology
- Molecular Imaging
- Molecular Medicine
- Multimedia Computing
- Nanobiotechnology
- Nanomedicine
- Nanoscience
- Nanotechnology

- Neuroscience
- Numerical Analysis
- Nursing
- Nutrition
- Nutritional Sciences
- Occupational Safety and Health
- Organic Chemistry
- Packaging Engineering
- Parallel and Distributed Computing
- Parasitology
- Pathology
- Pest Management
- Genetics
- Genetics and Breeding
- Geographic Information System

- Geospatial Engineering
- Geotechnical and Geological Engineering
- Gerontechnology
- Green Engineering
- Haematology
- Halal Products Development
- Halal Products Science
- Health and Rehabilitation
- Highway and Transportation Engineering
- Horticulture
- Human Anatomy
- Human Computer Interaction
- Human Factors and Ergonomics
- Human Genetics
- Human Physiology
- Immunobiology

- Immunopharmacology
- Industrial Biotechnology
- Industrial Design
- Industrial Engineering
- Industrial Hygiene
- Information Retrieval
- Information Systems
- Inorganic Chemistry
- Instructional Technology and Innovation
- Integrated Design Studies
- Intelligent Systems
- Laboratory Animal Medicine
- Manufacturing Systems Engineering
- Mariculture

- Marine and Freshwater Ecosystem
- Marine Biology
- Marine Ecology and Biodiversity
- Materials Engineering
- Materials Science
- Mathematics Education
- Mathematical Cryptography
- Mathematical Physics and Engineering
- Mechanical Engineering
- Medical Biotechnology
- Medical Gerontology
- Medical Microbiology
- Medical Parasitology
- Medical Physics

- Medical Sciences
- Medicinal Chemistry
- Metabolomics
- Microbial Biotechnology
- Pharmacology
- Photonics Engineering
- Physical Chemistry
- Physics
- Phytochemistry
- Plant Biotechnology
- Plant Pathology
- Plant Physiology
- Plant Science
- Plantation Technology
- Post-Harvest Technology
- Project Management

- Process Safety and Reliability
- Psychological Medicine/Psychiatry
- Public Health
- Pure Mathematics
- Radiology and Imaging
- Remote Sensing
- Robotic and Automation Engineering
- Ruminant Medicine
- Safety, Health and Emergency Management
- Security In Computing
- Sensor Technology
- Signal Processing
- Small Animal Medicine

- Social Gerontology
- Software Engineering
- Soil and Water Engineering
- Soil Science
- Statistics
- Stem Cell
- Structural Biology
- Structural Engineering
- Surgery
- Sustainable Plantation Management
- Sustainable Recreation and Ecotourism
- Swine Medicine
- Theoretical and Computational Chemistry

- Theoretical and Computational Physics
- Theriogenology and Cytogenetics
- Toxicology
- Tropical Rainforest Ecosystem Services
- Vaccine and Therapeutics
- Virology
- Water Resources Engineering
- Wildlife and Exotic Animal Health
- Wildlife Ecology and Management
- Wireless Communications and Networks Engineering

Programmes by Coursework

- Available only for Masters Degree and;
- Doctor of Public Health with a minimum of 40 course credits.

Programmes by Coursework

Following is the list of available programmes by coursework, according to the respective faculty/institute/school:

Faculty of Agriculture

- Master of Land Resources Management
- Master of Plantation Management
- Master in Tropical Soil Science

Faculty of Computer Science and Information Technology

- Master of Computer Science
- Master of Information Security
- Master of Computer Network
- Master of Software Engineering

Faculty of Design and Architecture

- Master of Landscape Architecture
- Master of Architecture
- Master in Industrial Design Innovation
- Master of Sustainable Landscape Management
- Master of Tropical Urban Design

Faculty of Educational Studies

- Master of Education in Guidance and Counselling
- Master of Education in Educational Administration
- Master of Education in Educational Psychology
- Master of Education in Guidance and Counselling
- Master of Education in Instructional Technology and Innovation
- Master of Education in Physical Education
- Master of Education in Sport Science

- Master of Education in Teaching of English as a Second Language
- Master of Education in Malay Language
- Master of Education in Technical and Vocational Education
- Master of Human Resource Development

Faculty of Engineering

- Master of Communication Engineering
- Master of Emergency Response and Planning

- Master of Engineering Management
- Master of Electrical Power Engineering
- Master of Innovation and Engineering Design
- Master of Manufacturing Systems Engineering
- Master in Process Safety and Loss Prevention
- Master of Remote Sensing and GIS
- Master of Structural Engineering and Constructions
- Master of Highway and Transportation Engineering
- Master of Water Engineering
- Master of Water Management
- Master in Microelectronic System Engineering

- Master in Aerospace System Design Engineering
- Master in Food Process and Packaging Engineering

Faculty of Forestry and Environment

- Master of Environment Faculty of Food Science and Technology
- Master of Food Technology
- Master of Food Safety and Quality Assurance
- Master in Functional Food Design

Faculty of Medicine and Health Sciences

- Doctor of Public Health
- Master of Environmental and Occupational Health
- Master of Medicine (Anesthesiology)
- Master of Medicine (Family Medicine)
- Master of Medicine (Internal Medicine)
- Master of Medicine (Pediatrics)
- Master of Medicine (Psychiatry)
- Master of Medicine (Radiology)

- Master in Nutritional Sciences
- Master of Pathology
- Master of Public Health
- Master of Surgery (General Surgery)
- Master of Surgery (Orthopedics)

Faculty of Modern Languages and Communication

- Master of Applied Linguistics
- Master of Corporate Communication
- Master of Malay Language
- Master of Malay Literature
- Master of World Literature

Faculty of Science

- Master of Analytical Chemistry
- Master of Applied Statistics
- Master of Tropical Biology
- Master of Materials Physics
- Master of Mathematical Sciences

Faculty of Veterinary Medicine

- Master of Veterinary Medicine

School of Business and Economics

- Master of Economics
- Master of Entrepreneurship
- Master of Finance
- Master of Business Administration

Faculty of Biotechnology and Biomolecular Sciences

- Master of Science in Biotechnology with Bioentrepreneurship.

UPM is also assisted by several institutes in terms of empowering the postgraduate component of the university. The following is the list of institutes that offers field specific postgraduate programmes:

- Institute of Bioscience
- Institute of Plantation Studies
- Institute of Agricultural and Food Policy Studies
- Institute of Nanoscience and Nanotechnology
- Malaysian Research Institute on Ageing
- Institute for Mathematical Research
- Halal Products Research Institute
- Institute of Tropical Forestry and Forest Products
- Institute for Social Science Studies
- Institute of Tropical Agriculture and Food Security
- International Institute of Aquaculture and Aquatic Sciences
- Institute of Ecosystem Science Borneo

Policy



IN exercise of the power conferred by Section 20 (1) of the Constitution of UPM, the Board of the University made the following Policy:

UNIVERSITI PUTRA MALAYSIA STATEMENT POLICY (CAMPUS SUSTAINABILITY) 2023

In order to ensure consistent and continuous efforts to enable Universiti Putra Malaysia (UPM) to become a leader in the sustainability of green campus at the national and global level, UPM is committed to implement various initiatives which can stimulate and enhance the sustainability of the institution and further guarantee universal survival by:

1. achieving UPM's zero carbon footprint through sustainable campus lifestyle by 2050;
2. providing quality and inclusive sustainable education and research;
3. empowering UPM's governance to support sustainable economic growth; and
4. creating a social environment which supports the well-being of UPM staffs and students and community.

Repeal

Universiti Putra Malaysia Policy (Green) which was made on 11 th April 2011 by the Vice Chancellor is hereby repealed effective from 1 7th October 2023.

Made on 17th October 2023
[Minutes of BOD Meeting 174/04]
[UPWPPUU/600-1/1/Kelestari Kampus]

YBHG. PROF. EMERITUS DATO' DR. IBRAHIM KOMOO
Chairman
Board of Directors
Universiti Putra Malaysia



PADA menjalankan fungsi dan kuasa yang diberikan oleh seksyen 20(1) Perlembagaan Universiti Putra Malaysia, Lembaga membuat Dasar berikut:

DASAR UNIVERSITI PUTRA MALAYSIA (PENGURUSAN TENAGA) 2018

Universiti Putra Malaysia (UPM) beriltizam untuk melaksanakan pengurusan tenaga dengan cekap, berhemah dan berkesan secara berterusan berdasarkan amalan terbaik meliputi tindakan berikut:

1. merangka gerak kerja yang strategik ke arah penggunaan tenaga elektrik secara efektif;
2. mewujudkan budaya penjimatan dan kesedaran untuk tidak membazir tenaga melalui latihan dan program kesedaran bagi keseluruhan warga Kampus; dan
3. memanfaatkan tenaga boleh diperbaharui.

Dibuat 12 Februari 2019
[UPM/PPUU/100-1/1/3/TENAGA/PPPA]

Y.A.M TENGKU SYARIF LAKSAMANA PERLIS
DATO' SERI DIRAJA SYED RAZLAN IBNI SYED PUTRA JAMALULLAIL
Pengerusi, Lembaga Pengarah
Universiti Putra Malaysia

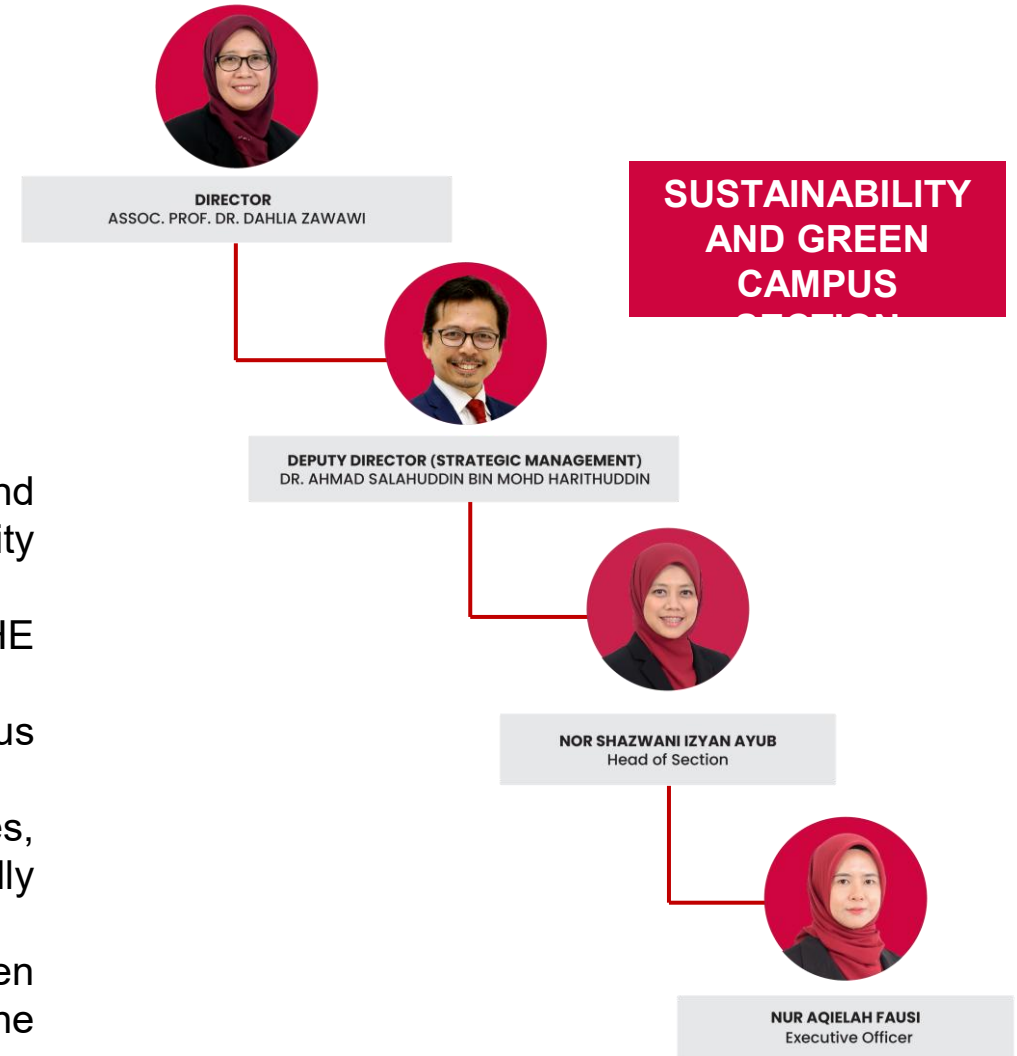
Governance



Centre For Corporate Strategy and Relations (PSPK) Universiti Putra Malaysia

Functions:

1. Prepare periodic reports on the university's sustainability activities and green initiatives for submission to PSPK Management and University Management;
2. Manage data for the purposes of the QS Sustainability Rankings, THE Sustainability Impact Rankings, and UI GreenMetric Rankings;
3. Serve as the Secretariat Body for the University Green Campus Sustainability Steering Committee;
4. Coordinate all university sustainability and green campus activities, and promote initiatives to enhance the university's visibility both locally and internationally; and
5. Develop policies or guidelines related to sustainability and green campus activities to strengthen the agenda across all levels of the university.



Governance



Sustainability and Green Campus Committee Universiti Putra Malaysia



Chairman

Prof. Ir. Dr. B.T. Hang Tuah Baharudin
Deputy Vice Chancellor
(Industry & Community Relations)

Secretariat

*Sustainability and Green Campus Section,
Center for Strategy and Corporate Relations*

Ms Nur Aqielah Fausi
Executive Officer



Mrs. Nor Shazwani
Izyan Ayub
Head Section



Deputy Chairman

Assoc. Lar. Dr. Suhardi Maulan

Experts (10)

Prof. Gs. Dr.
Mohd Johari
Mohd Yusof



Prof. Ir. Dr.
Aduwati Sali



Prof. Dr. Loh Teck
Chwen



Prof. Dr. Ahmad
Zaharin Aris



Assoc. Prof. Dr.
Sharifah Khadijah
Syed Ismail



Prof. Dr. Abdul
Rahim Abdul
Samad @ Iammi



Prof. Ir. Dr.
Mohd Zainal
Abidin Ab. Kadir



Ts. Dr. Irina Harun



Gs. Dr. Zakiah
Ponrahono



Assoc. Prof. Ts.
Dr. Mohd Zairul
Mohd Noor



Permanent Members (11)



Dr. Ir. Maznah Sarhan
Director Development
Office & Asset
Management



Assoc. Prof. Dr. Siti
Zaharah Sakimin
Director Putra
Agriculture Centre



Prof. Dr. Shamsul Bahri
Hj. Md Tamrin
Director Center for Industry
Relations & Network (CIRNeT)



Assoc. Prof. Dr.
Khairulmazmi Ahmad
Director University
Community Transformation
Centre (UCTC)



Prof. Dr. Mohd Adzir
Mahdi
Director Research
Management Centre



Assoc. Prof. Ts. Dr. Wan
Zuhainis Saad
Director Centre For
Academic Development
and Leadership Excellence



Assoc. Prof. Dr. Ng Yee Guan
Director Occupational Safety
And Health Management
Office



Ms. Siti Ima Munirah
Ahmad
Head of Division Human
Resource Services



Mr. Yusri bin Hashim
Senior Deputy Bursar

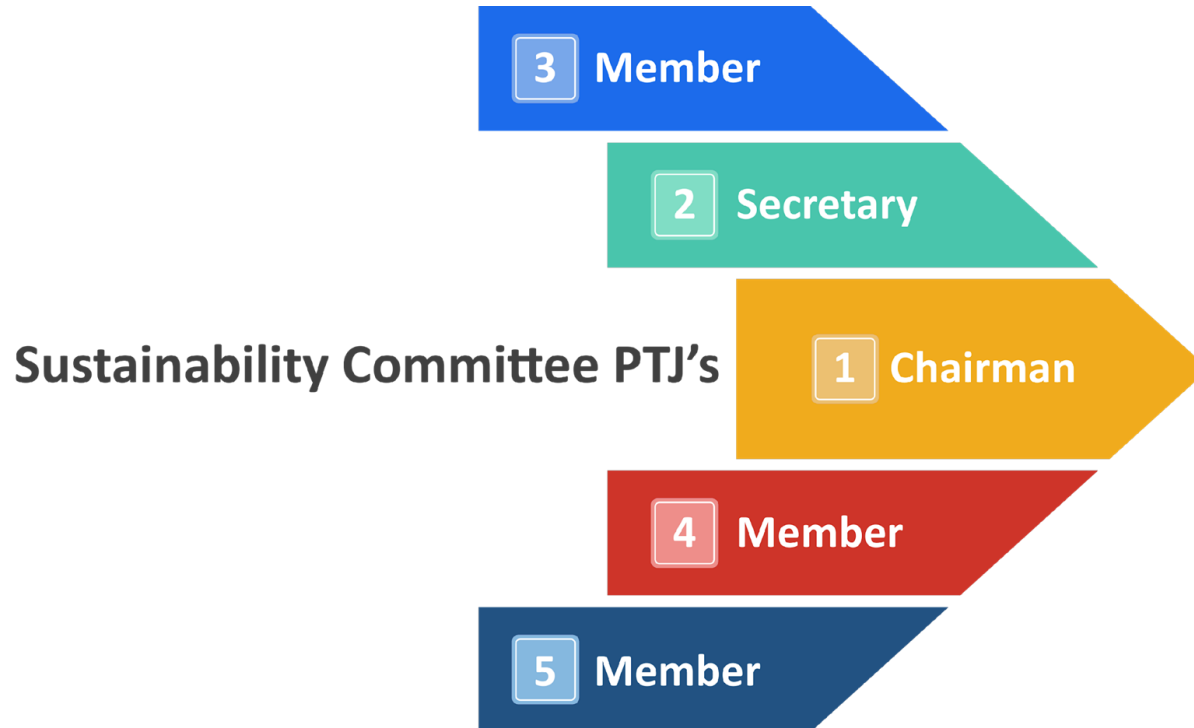


Mr. Abdullah Arshad
Chief Administrator
Office of the Deputy Vice-
Chancellor (Student Affairs
and Alumni)



Mr. Umar Akhtar Ab Malek
President of the Student
Representative Council

Governance



Terms of Reference:

1. Plan, manage, and implement green sustainability programmes or activities at the Centre of Responsibility (PTJ) in alignment with the UPM Sustainability Policy;
2. Develop a suitable sustainability framework or programme structure that aligns with the context and field of study/expertise of the PTJ;
3. Ensure that all green sustainability activities at the PTJ contribute positively to the university;
4. Implement at least three (3) green sustainability programmes or activities at the PTJ each year;
5. Report all green activities carried out at the PTJ to the university through the Centre for Corporate Strategy and Relations; and
6. Conduct meeting at least once a year.

Measuring Progress



Rankings





UPM's Rankings Performance



2025
World = 401-600
Malaysia = 18
Total Institutions = 2318

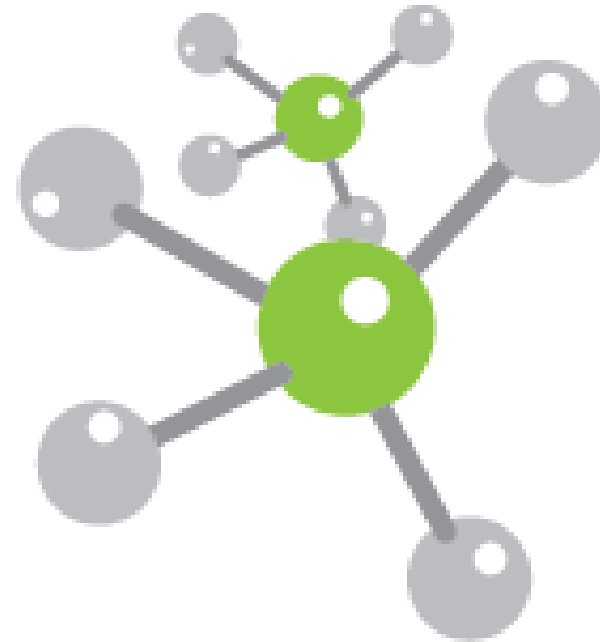


2026
World = 329
Asia = 55
Malaysia = 4
Total Institutions = 1744



2025
World = 24
Asia = 2
Malaysia = 1
Total Institutions = 1477

Research



HOLISTIC NATION DEVELOPMENT

8

GLOBAL GAME CHANGER IN SOCIETAL IMPACT
"WOMB TO TOMB"

9

GLOBAL PLAYER IN FOOD SECURITY

9

UPHOLD PLANETARY HEALTH

1

0

GLOBAL HALAL CHAMPIONS

5

EXCEPTIONAL LEADERS AND TALENTS

INNOVATION POWERHOUSE

WORLD LEADER IN TROPICAL AGRICULTURE

ENABLERS

- Cutting Edge Technology
- Robust Funding Mechanism
- Efficient Innovation And Entrepreneur Ecosystem
- Strategic Global Collaboration
- Ethical Research Culture
- Strategic & Dynamic Talent Development

GUIDING PRINCIPLES

- **Berilmu Berbakti**
- **Sustainable Development Goals (SDGs)**
- Enhancing trans-disciplinary

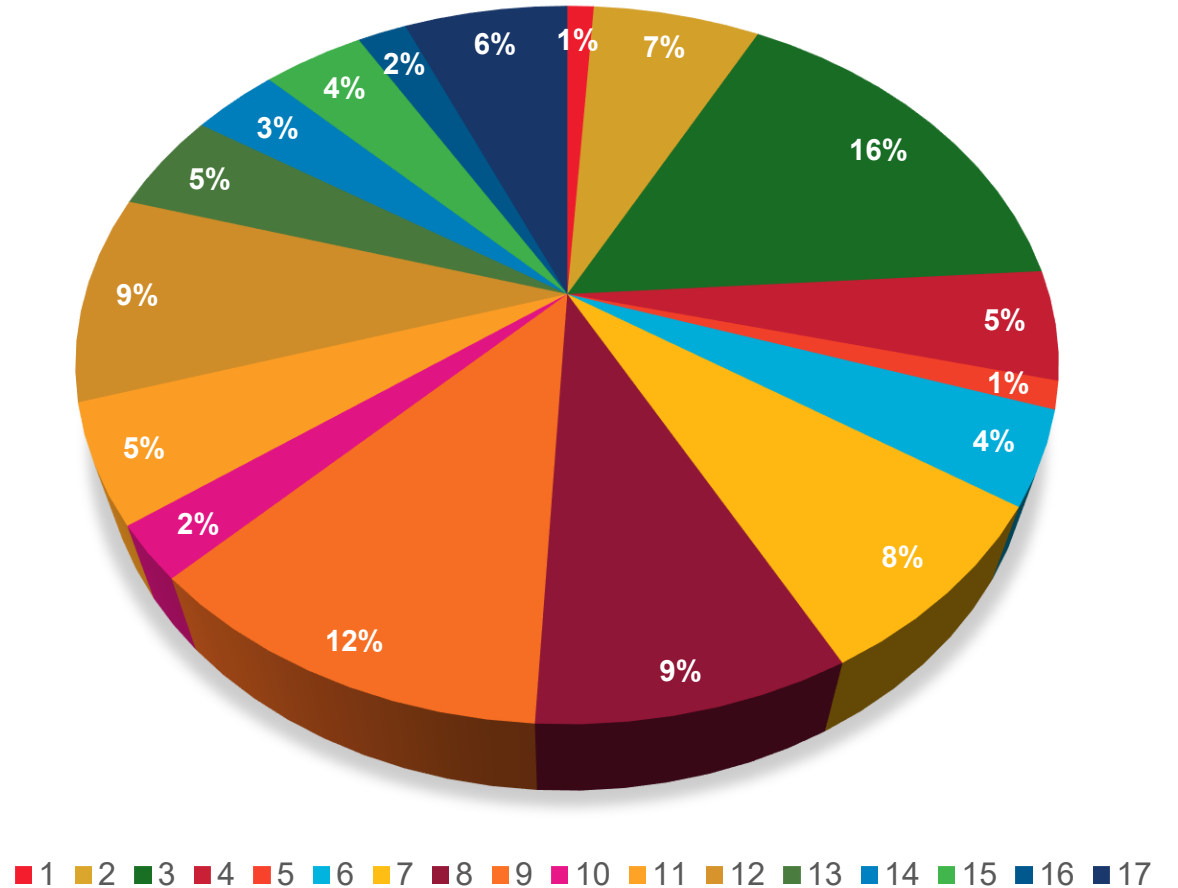


Publication & Citation



| SDG | Sustainable Development Goal | Publications | Citations |
|--------------|---|--------------|---------------|
| 1 | No Poverty | 44 | 69 |
| 2 | Zero Hunger | 278 | 418 |
| 3 | Good Health and Well-being | 680 | 2,169 |
| 4 | Quality Education | 206 | 374 |
| 5 | Gender Equality | 52 | 53 |
| 6 | Clean Water and Sanitation | 175 | 622 |
| 7 | Affordable and Clean Energy | 332 | 1,247 |
| 8 | Decent Work and Economic Growth | 363 | 842 |
| 9 | Industry, Innovation and Infrastructure | 486 | 1,315 |
| 10 | Reduced Inequalities | 102 | 311 |
| 11 | Sustainable Cities and Communities | 223 | 405 |
| 12 | Responsible Consumption and Production | 391 | 1,078 |
| 13 | Climate Action | 191 | 699 |
| 14 | Life Below Water | 143 | 210 |
| 15 | Life on Land | 168 | 365 |
| 16 | Peace, Justice and Strong Institutions | 82 | 108 |
| 17 | Partnerships for the Goals | 272 | 783 |
| Total | | 4,188 | 11,068 |

Publication by SDG



The analysis of UPM's 2025 SDG publication and citation data provides a comprehensive overview of the University's research performance and its contribution to the global sustainability agenda. By examining both the volume of publications and their corresponding citations, this assessment reflects not only research productivity but also the extent to which UPM's research influences academic discourse and supports evidence-based policy development.

UPM's research strengths are strongly anchored in science, technology, and sustainability-related fields. SDG 3 (Good Health and Well-being) recorded the highest output with **680 publications (2,169 citations)**, followed by SDG 9 (Industry, Innovation and Infrastructure) with **486 publications (1,315 citations)** and SDG 7 (Affordable and Clean Energy) with **332 publications (1,247 citations)**. Significant contributions were also observed in SDG 12 (Responsible Consumption and Production) with **391 publications (1,078 citations)** and SDG 8 (Decent Work and Economic Growth) with **363 publications (842 citations)**. The strong citation performance across these SDGs indicates that UPM's research is widely referenced, contributing to scientific advancement and informing policies related to healthcare systems, energy transition, and sustainable production practices.



In addition, UPM continues to demonstrate impactful research in agriculture, environmental sustainability, and strategic partnerships. SDG 2 (Zero Hunger) recorded **278 publications (418 citations)**, reflecting the University's expertise in food security and agricultural innovation, while SDG 17 (Partnerships for the Goals) contributed **272 publications (783 citations)**, highlighting strong collaborative engagement. Contributions to SDG 11 (Sustainable Cities and Communities) (**223 publications (405 citations)**) and SDG 4 (Quality Education) (**206 publications (374 citations)**) further reflect UPM's role in advancing inclusive and sustainable development. Environmental research remains a key focus, with SDG 13 (Climate Action) achieving **191 publications (699 citations)**, SDG 6 (Clean Water and Sanitation) **175 publications (622 citations)**, SDG 15 (Life on Land) **168 publications (365 citations)**, and SDG 14 (Life Below Water) **143 publications (210 citations)**. These citation outcomes demonstrate that UPM's research contributes meaningfully to environmental management, resource conservation, and sustainability policy formulation.

Other SDGs complement this overall research landscape, including SDG 10 (Reduced Inequalities) with **102 publications (311 citations)**, SDG 16 (Peace, Justice and Strong Institutions) with **82 publications (108 citations)**, SDG 5 (Gender Equality) with **52 publications (53 citations)**, and SDG 1 (No Poverty) with **44 publications (69 citations)**. Although smaller in volume, these contributions remain relevant in supporting social and governance-related research. Overall, the citation impact across all SDGs demonstrates that UPM's research outputs are actively utilised as references in both academic and policy contexts, reinforcing the University's role in advancing sustainable development at national and global levels.

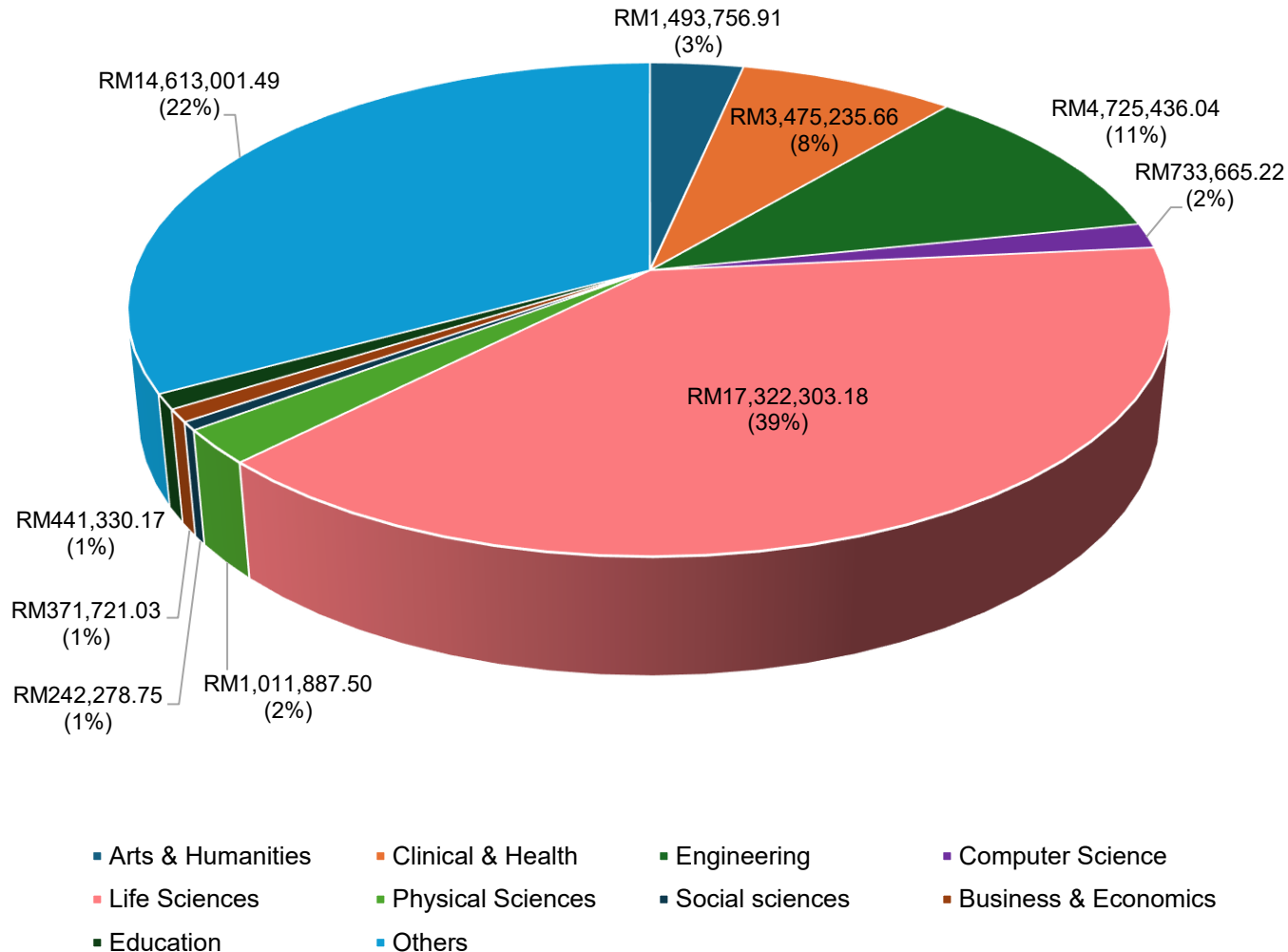
Research Funds



Universiti Putra Malaysia (UPM) continues to strengthen its position as a leading research university through sustained growth in research income and funding in 2025. Backed by strong government support, industry collaboration, and competitive grants, UPM has maintained a robust research ecosystem that drives multidisciplinary innovation and impactful discoveries. The university's research funding, which previously exceeded RM121 million, reflects its capacity to attract significant investment and deliver high-value research outcomes that address national and global priorities.

In 2025, research income at UPM plays a critical role in advancing knowledge creation, supporting cutting-edge facilities, and nurturing talent among researchers and students. This financial strength enables the university to expand its research portfolio across key domains such as agriculture, biotechnology, sustainability, and engineering - areas that are central to UPM's mission of contributing to societal well-being and economic development.

RESEARCH INCOME BY FIELDS



The distribution of research income highlights the university's strong contribution to sustainability across several key disciplines. **Life Sciences** accounts for the largest share of research income at **RM17,322,303.18 (39%)**, reflecting significant research activity in areas such as biodiversity, agriculture, environmental protection, and health sciences. These areas contribute directly to global sustainability priorities, particularly **SDG 2 (Zero Hunger)**, **SDG 3 (Good Health and Well-being)**, and **SDG 15 (Life on Land)**. This indicates that Life Sciences research plays a central role in addressing environmental and food security challenges.

The second largest portion comes from **Land-law or governance-related research (22%)**, followed by **Engineering (11%)** and **Clinical & Health (8%)**. These fields are essential for sustainable development through the advancement of **policy frameworks, sustainable infrastructure, and healthcare innovation**. Engineering research contributes to **sustainable technologies and resilient infrastructure (SDG 9 and SDG 7)**, while Clinical & Health research supports improvements in healthcare systems and medical advancements aligned with **SDG 3**. Governance and legal research also promote responsible land management and strong institutions, supporting **SDG 16 (Peace, Justice and Strong Institutions)**.

Other fields, including **Arts & Humanities, Physical Sciences, Computer Science, Business & Economics, Education, and Social Sciences**, contribute smaller shares but remain important. Together, the distribution of research funding demonstrates a **balanced and interdisciplinary approach to sustainability**, where scientific, technological, social, and policy research collectively address global sustainable development challenges.

Innovations



Over the decades, UPM has cemented its reputation for research by achieving spectacular results through groundbreaking research outcomes in various scientific fields, which have won it numerous national and international awards. These achievements are the result of a culture of scientific and academic curiosity, motivated by a willingness to challenge the unknown and push beyond the bounds of known knowledge and wisdom.

The university receives grants that are used to support multidisciplinary research, while also creating an enabling environment for students to conduct high-quality research. These efforts have led to several notable discoveries, including ZAPPA, a rice seed germination enhancer, and VITA GROW, which promotes higher crop yields. Collectively, these innovations have generated approximately RM24 million in sales and have significantly enhanced the production capacity of rice farmers both nationally and regionally.



Other notable UPM developed commercialised products and technologies are:

- i. Newcastle Disease Vaccine
- ii. Fowl Pox Vaccine
- iii. MyVAC UPM 93 IBD
- iv. MICRONES: System for Continuous Extraction of Pericarp Liquid and Method Thereof Technology & Kernel Nut and Mesocarp Separation System
- v. GANOCARE: A Composition for Ganoderma Disease in Plants
- vi. Thohira: Economical Animal Feeds Powered by Synbiotics
- vii. Dekoponix - Compact Hydroponic Rack System
- viii. Danio Assay Kit: Bioassay for Detection of Xenobiotics
- ix. Thymoquinone Rich Fraction as Cardioprotective and Neuroprotective Agents
- x. OryGold– Acylated Steryl Glycoside-rich Product for Disease Prevention and Health Enhancement
- xi. Pepper Peel-O-Matic (White Pepper Decorticator)
- xii. REMDII Ultra Moisturising Cream
- xiii. Fibre Mastic Asphalt (FMA)
- xiv. Star Kit: Story Telling Augment Reality Kit
- xv. E.A.G.L.E: Excellent Accelerator Grounded Learning Environment Table
- xvi. STVac

The best commercialisation strategy with collaboration between UPM and the industry partners has successfully commercialised UPM's technologies & innovations. Strategically UPM InnoHub has proactively nurturing start-ups to train young unipreneur talents with the focus to deliver UPM's innovations to the marketplace

Academic



Academic



Figure 5: SDG Priorities Reflected in SULAM Projects (2022–2025)

A breakdown of project alignment by percentage across the Sustainable Development Goals, showing UPM's strong focus on SDG 4 (27%), SDG 11 (15%), and SDG 3 (15%)—demonstrating a clear emphasis on inclusive, quality education and healthier, more sustainable communities.



UPM's implementation of Education for Sustainable Development (ESD) through Service-Learning Malaysia–University for Society (SULAM) projects in 2025 demonstrates a strong institutional commitment to sustainability, with a total of 88 projects aligned to the Sustainable Development Goals (SDGs). The distribution of projects reflects UPM's ability to integrate sustainability into academic programmes through experiential learning, enabling students to engage directly with communities while applying their academic knowledge to real-world challenges.

A significant strength is reflected in SDG 4 (Quality Education) with 38 projects and SDG 3 (Good Health and Well-being) with 18 projects. These efforts highlight UPM's leadership in advancing education and promoting community well-being through structured academic initiatives. By embedding SULAM within curricula, the university strengthens knowledge transfer, enhances student competencies, and contributes meaningfully to societal development.

UPM also demonstrates strong engagement in community development and collaboration through SDG 1 (No Poverty), SDG 11 (Sustainable Cities and Communities), and SDG 17 (Partnerships for the Goals), each supported by 6 projects. Additional contributions in SDG 8 (Decent Work and Economic Growth), SDG 9 (Industry, Innovation and Infrastructure), and SDG 12 (Responsible Consumption and Production) further reflect the university's efforts in fostering economic resilience, innovation, and sustainable practices through partnerships with communities and industry.

Overall, UPM's SULAM initiatives showcase a comprehensive education-driven approach to sustainability, with a clear strength in human capital development, community engagement, and collaborative partnerships. Continued expansion of projects across a wider range of SDGs will further strengthen UPM's role in delivering holistic and impactful sustainability outcomes.

Energy Consumption



Energy Consumption



| PMU | | | CO2 Produce/ Avoidance (tCO2e/year) | Remark | Bill (RM) | |
|-------|-----------------|---------------|---|-------------------------------|---------------|---------------|
| | | | | | 2024 | 2025 |
| PMU 1 | Supply by TNB | 28,517,152.00 | 21,616.00 | CO2 produced | 39,316,050.10 | 32,877,626.41 |
| | Supply by Solar | | 4,234.93 | CO2 avoidance | | |
| | | 5,586,976.00 | | | | |
| | Sub-Total | 34,104,128.00 | 25,850.93 | without solar | | |
| PMU2 | Supply by TNB | 18,280,593.00 | 13,856.69 | CO2 produced | | |
| | Supply by Solar | | 5,107.10 | CO2 avoidance | | |
| | | 6,737,595.00 | | | | |
| | Sub-Total | 25,018,188.00 | 18,963.79 | without solar | | |
| HSAAS | Supply by TNB | 16,355,024.00 | 12397.11 | CO2 produced | | |
| | Supply by Solar | | 2655.88 | CO2 avoidance | | |
| | | 3,503,803.00 | | | | |
| | Sub-Total | 19,858,827.00 | 15052.99 | without solar | | |
| | Grand Total | 78,981,143.00 | 59,867.71 | CO2 produced without solar | | |
| | | | 11,997.91 | CO2 avoidance | | |

UPM's transition towards renewable energy is clearly reflected through the installation of solar photovoltaic (PV) systems across key facilities, including PMU 1, PMU 2, and HSAAS. The data indicates that solar energy has been successfully integrated alongside conventional electricity supplied by TNB, contributing significantly to the university's overall energy mix. In total, UPM generated approximately **15.83 million kWh of solar energy**, demonstrating a strong commitment to clean energy adoption and sustainable campus operations.

This initiative has translated into tangible financial benefits. UPM's total electricity expenditure decreased from **RM39.32 million in 2024 to RM32.88 million in 2025**, reflecting a cost saving of approximately **RM6.44 million**, or about **16.4% reduction in electricity bills**. These savings highlight the effectiveness of solar investments in reducing operational costs while improving energy efficiency. The ability to offset a portion of grid electricity usage with solar generation underscores UPM's strategic approach to long-term financial sustainability.

From an environmental perspective, the impact is substantial. Without solar implementation, total carbon emissions would have reached approximately **59,867.71 tCO₂e per year**. However, the use of solar energy has resulted in a **carbon avoidance of 11,997.91 tCO₂e annually**, significantly reducing the university's overall carbon footprint. This reduction reflects UPM's active contribution to climate change mitigation and aligns with global sustainability goals, particularly in promoting clean energy and reducing greenhouse gas emissions.

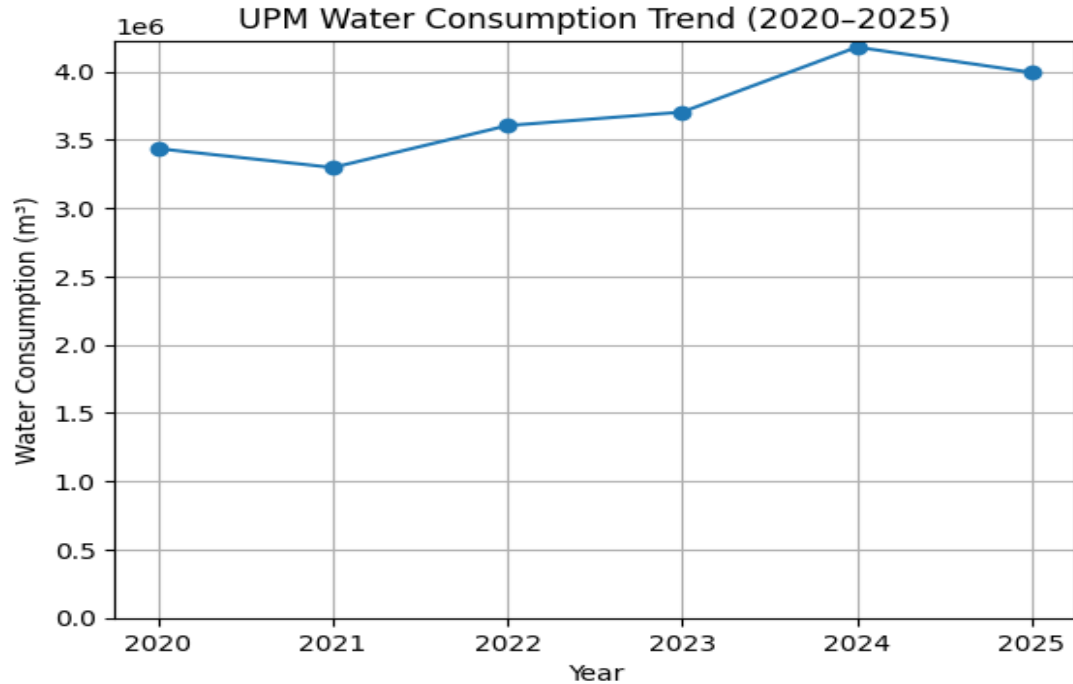
Overall, UPM's solar energy initiative demonstrates a strong integration of sustainability into campus infrastructure, delivering both economic and environmental value. The combination of reduced electricity costs and significant carbon emission avoidance positions UPM as a leading example of a low-carbon campus. This effort not only supports institutional sustainability targets but also provides a living model for students and stakeholders on the practical benefits of renewable energy adoption.



Water Consumption



Water Consumption



| Year | Water Consumption (m³) | Bill (RM) |
|------|------------------------|---------------|
| 2020 | 3,434,310.00 | 9,822,126.60 |
| 2021 | 3,296,151.00 | 9,488,890.76 |
| 2022 | 3,603,398.00 | 10,304,523.32 |
| 2023 | 3,702,198.00 | 10,583,674.84 |
| 2024 | 4,177,358.00 | 12,261,289.33 |
| 2025 | 3,992,539.65 | 11,625,033.63 |

In 2025, UPM recorded total water consumption of **3,992,539.65 m³**, reflecting a **4.4% reduction** compared to 2024. This improvement demonstrates the effectiveness of ongoing water conservation strategies, including efficient campus operations, optimisation of water systems, and increased awareness among staff and students.

The total water expenditure also declined to **RM11,625,033.63**, a **5.2% reduction** from the previous year. This indicates that cost savings were achieved alongside reduced consumption, highlighting improved **resource efficiency and financial management** despite external pressures such as tariff adjustments.

To strengthen performance monitoring, UPM continues to emphasise **water intensity indicators**, such as consumption per capita and per facility. While overall demand remains influenced by campus growth and operational needs, the downward trend in 2025 reflects progress towards decoupling resource use from institutional expansion.

UPM supports SDG 6: Clean Water and Sanitation by reducing water use and costs in 2025, improving efficiency, strengthening management practices, and promoting responsible water stewardship across campus operations.

Waste Management



Waste Management



Organic Waste

| Total waste Produced (tons) | Total Waste Recycle (tons) | | Total Landfill (tons) | |
|-----------------------------|----------------------------|-------|---------------------------|------|
| 1432 | 882 | | 550 | |
| | Landscape and Agriculture | Food | Landscape and Agriculture | Food |
| | 529.2 | 352.8 | 220 | 330 |

Inorganic Waste

| Total waste Produced (tons) | Total Waste Recycle (tons) | | Total Landfill (tons) | |
|-----------------------------|----------------------------|-------|-----------------------|-------|
| 1800 | 1080 | | 720 | |
| | Plastic | Paper | Plastic | Paper |
| | 324 | 756 | 360 | 360 |

UPM continues to demonstrate consistent commitment to sustainable waste management through the separation, recycling, and composting of organic and inorganic waste in alignment with SDG 2 - Zero Hunger and SDG 12 – Responsible Consumption and Production.

Organic Waste

In 2025, UPM continued to strengthen its organic waste management through improved recycling and waste diversion efforts. A substantial portion of organic waste was processed through composting and recovery initiatives, reducing reliance on landfill disposal. Innovative approaches, including composting programmes and Black Soldier Fly (BSF) technology, support the conversion of waste into useful resources, reflecting circular economy practices on campus.

While some waste is still sent to landfill, ongoing improvements in waste segregation and awareness contribute to better management outcomes. UPM demonstrates steady progress in minimising environmental impact and promoting sustainable waste practices aligned with its sustainability commitments.

Inorganic Waste

In 2025, UPM continued to enhance inorganic waste management through improved recycling and waste segregation practices. A considerable portion of inorganic waste, including plastics, paper, and metals, was diverted for recycling, reflecting effective resource recovery efforts. Despite these improvements, some waste remains directed to landfill, indicating opportunities to further strengthen recycling systems and reduce disposal rates. Continuous awareness programmes and campus initiatives support better waste separation at source.

UPM demonstrates steady progress in managing inorganic waste, reinforcing its commitment to reducing environmental impact and promoting sustainable consumption practices in line with institutional sustainability goals.

Toxic and Hazardous Waste

| Year | Schedule Waste (metric tonnes) | | | | | | | | | | |
|------|--------------------------------|---|---------|-------------------------|--|--------------------------|----------------|-------------------------|------------------------|-----------|----------------------|
| | Waste of Batteries | Bulb (Waste containing mercury or compound) | E-Waste | Waste of inorganic Acid | Spent Lubricating Oil / Minyak pelincir terpakai | Waste of Organic Solvent | Clinical waste | Contaminated containers | Contaminated materials | Lab waste | Expired Lab Chemical |
| | SW103 | SW109 | SW110 | SW206 | SW305 | SW322 | SW404 | SW409 | SW410 | SW429 | SW430 |
| 2020 | 0.07 | 1.95 | 0.14 | 1.40 | 0.70 | 11.00 | 24.41 | 3.48 | 0.66 | 1.44 | NA |
| 2021 | NA | 1.64 | NA | 3.10 | 0.80 | 12.00 | 24.26 | 4.36 | 0.60 | NA | NA |
| 2022 | NA | 3.57 | NA | 6.68 | 2.50 | 25.70 | 82.19 | 7.62 | 2.13 | 2.48 | NA |
| 2023 | NA | 2.85 | NA | 4.70 | 0.75 | 20.40 | 159.25 | 11.01 | 1.45 | 6.06 | NA |
| 2024 | 0.32 | 4.28 | 0.96 | 1.20 | 0.45 | 20.69 | 168.74 | 7.98 | 0.77 | 11.88 | NA |
| 2025 | 0.13 | 3.46 | 0.86 | 1.32 | 0.79 | 15.63 | 183.99 | 6.41 | 1.23 | 14.96 | 0.95 |

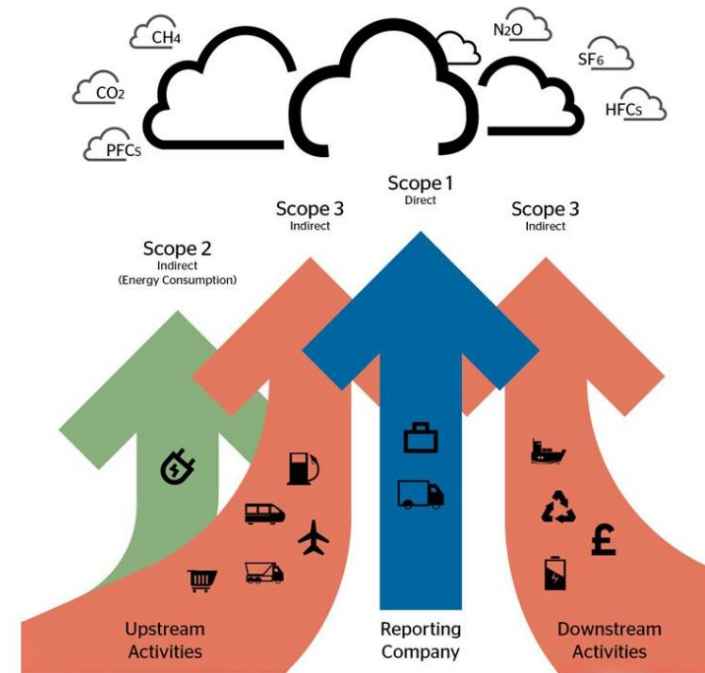
Universiti Putra Malaysia (UPM) manages a diverse range of toxic and hazardous waste generated from its teaching, research, clinical, and operational activities. The commencement of Hospital Sultan Abdul Aziz Shah (HSAAS) in 2020 has significantly influenced the waste composition profile especially in clinical and laboratory categories as the hospital expanded to full operation.

All categories of toxic and hazardous waste at UPM are handled, stored, and treated in full compliance with the Environmental Quality Act (EQA) 1974, and reported annually to the Department of Environment (DOE) Malaysia through the eSWIS system.

Licensed contractors are appointed to ensure proper collection, treatment, and final disposal of all scheduled wastes in accordance with national regulations.

The university has enhanced green lab practices, promoted waste minimization, improved data transparency, and increased awareness among staff and students. These continuous efforts reinforce UPM's position as a national leader in environmentally responsible and sustainable campus operations.

Carbon Footprint



Carbon Footprint



| CARBON EMISSION PRODUCE/AVOID (tCO ₂ e) | | | | |
|---|-------------------|-------------------|-------------------|-------------------|
| | 2022 | 2023 | 2024 | 2025 |
| BASED LINE YEAR: 2022 | 415,086.20 | 415,086.20 | 415,086.20 | 415,086.20 |
| ENERGY CONSUMPTION | | | | |
| TOTAL ELECTRICITY | 54,297,160.00 | 77,629,139.00 | 61,495,418.20 | 63,152,769.00 |
| RENEWABLE ENERGY | 5,922,160.00 | | | |
| SOLAR | | 12,111,177.00 | 16,538,723.00 | 15,977,491.00 |
| TOTAL ENERGY (ELECTRIC +RENEWABLE ENERGY/SOLAR) | 60,219,320.00 | 89,740,316 | 78,034,141.20 | 79,130,260.00 |
| CO ₂ e ELECTRICITY | 42,026.00 | 60,084.95 | 47,597.45 | 48,880.24 |
| CO ₂ e AVOIDANCE | | 9,374.05 | 12,800.97 | 12,366.58 |
| TRANSPORTATION | | | | |
| CAR | 663,163 | 1,079,348 | 1,087,625 | 991,568 |
| MOTORCYCLE | 227,343 | 535,343 | 537,075 | 548,625 |
| BUS | 10 | 10 | 17 | 17 |
| CO ₂ e TRANSPORTATION | 373,060.20 | 646,749 | 651,264.00 | 607,910.40 |
| TOTAL CO₂e/ year | 415,086.20 | 706,833.95 | 698,861.45 | 656,790.64 |

Universiti Putra Malaysia (UPM) continues to strengthen its commitment to climate action through the systematic monitoring and reduction of its institutional carbon footprint. Using 2022 as the baseline year, UPM recorded total emissions of 415,086.20tCO₂e, establishing a reference point for measuring future progress.

In comparing 2024 and 2025 performance, UPM recorded a reduction in total emissions from 698,861.45tCO₂e in 2024 to 656,790.64tCO₂e in 2025, representing a decrease of approximately 6.0%. This improvement reflects ongoing efforts to enhance sustainability practices across campus operations.

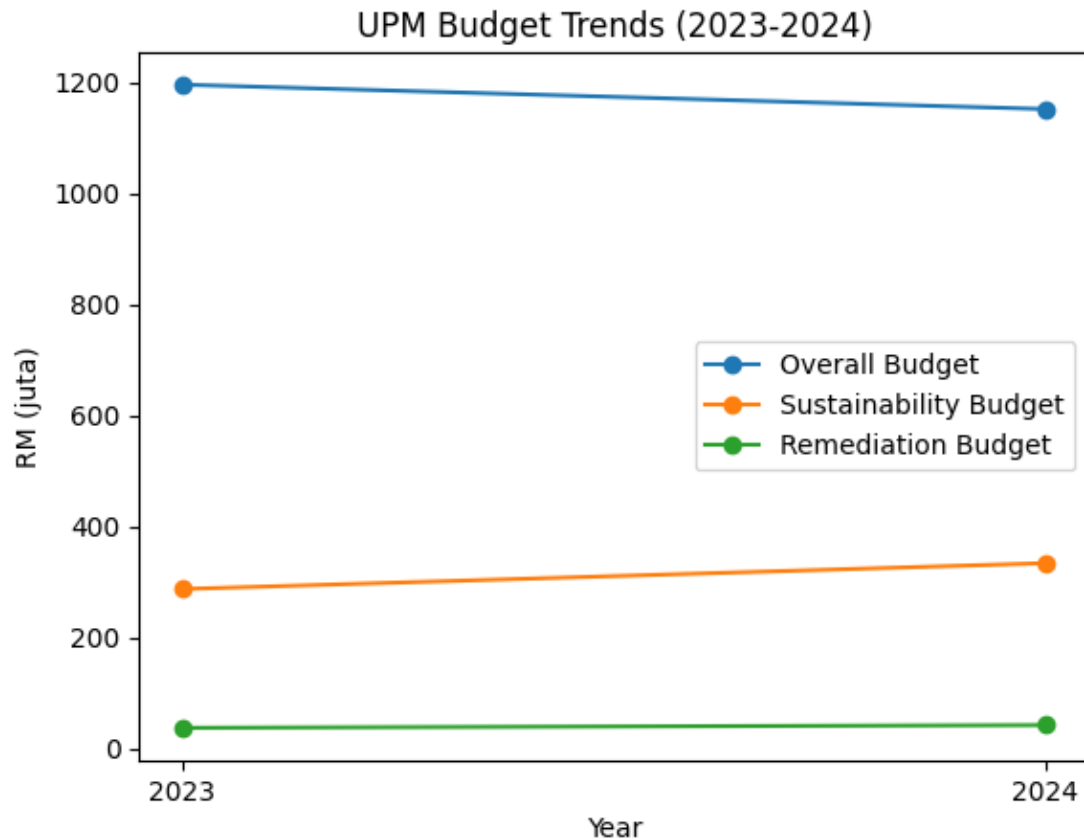
Energy consumption showed a slight increase, with total energy rising from 78.03 million in 2024 to 79.13 million in 2025. Electricity usage also increased, leading to a marginal rise in emissions from electricity. However, solar energy generation slightly declined, resulting in a small reduction in CO₂ avoidance. This indicates the need to further strengthen renewable energy initiatives.

Notably, transportation contributed significantly to emission reductions. Car usage declined, leading to a decrease in transportation emissions from 651,264.00tCO₂e in 2024 to 607,910.40tCO₂e in 2025. Overall, the reduction in emissions demonstrates positive progress, particularly in mobility management, while highlighting opportunities to enhance renewable energy adoption for long-term sustainability.

Financial



Financial



Universiti Putra Malaysia (UPM) demonstrates a structured and measurable commitment to sustainability through the integration of sustainability considerations into its annual financial planning and resource allocation.

For the financial year 2024, UPM recorded a total operating budget of **RM 1,151.68 million**, compared to **RM 1,195.7 million in 2023** (a decrease of 3.7%). Despite this reduction, the University increased its allocation for sustainability-related initiatives, indicating a strategic prioritisation of sustainability within institutional governance.

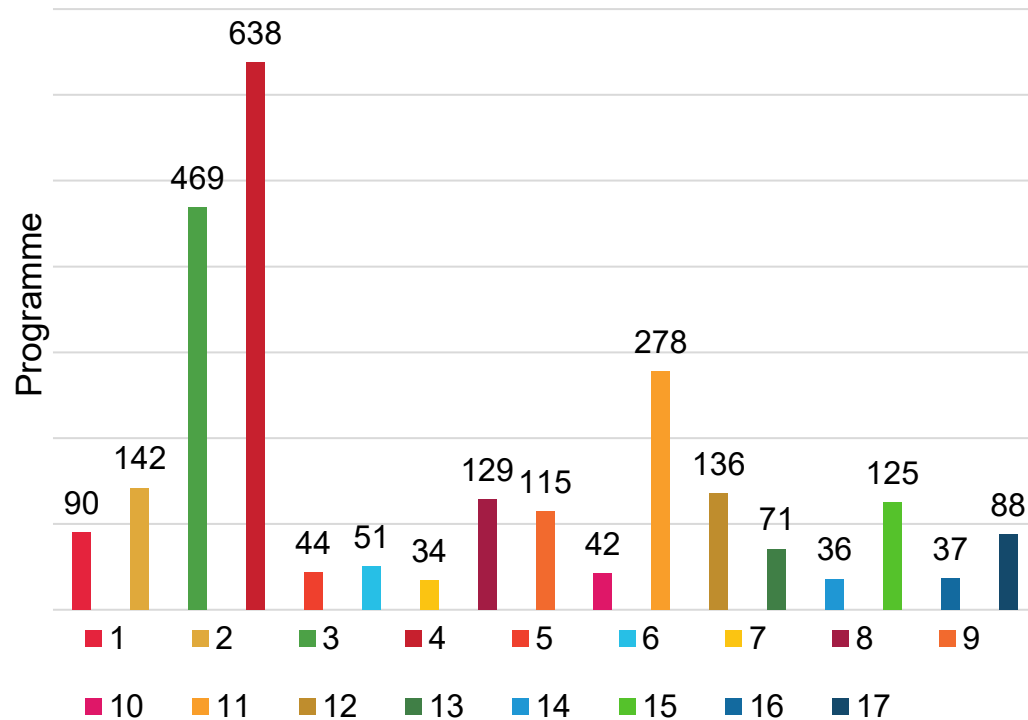
The **Sustainability Budget** increased from **RM 286.83 million in 2023 to RM 333.41 million in 2024 (+16.2%)**, supporting initiatives related to environmental management, resource efficiency, sustainable campus operations, and community engagement. Additionally, the **Sustainability Remediation Work Budget** increased from **RM 36.67 million to RM 41.63 million (+13.5%)**, reflecting continued investment in corrective measures and environmental performance improvements.

UPM also maintains sustained investment in human capital, with **staff payroll increasing by 6.0%** and **staff-related expenses increasing by 5.8%**, ensuring institutional capacity to implement sustainability programmes effectively.

Outreach



Outreach



In 2025, Universiti Putra Malaysia (UPM) demonstrated a strong commitment to the Sustainable Development Goals (SDGs) through diverse outreach initiatives that reflect its academic strengths and societal role.

UPM’s outreach is led by **SDG 4 (Quality Education)**, highlighting its core function in delivering knowledge, lifelong learning, and capacity-building programmes to communities. This is closely supported by **SDG 3 (Good Health and Well-being)**, where the university contributes through health awareness, screenings, and community wellness initiatives.

The university also shows strong engagement in **SDG 2 (Zero Hunger)**, leveraging its expertise in agriculture to support food security and community-based farming programmes. In parallel, UPM advances sustainability efforts under **SDG 11 (Sustainable Cities and Communities)** and **SDG 13 (Climate Action)** through environmental awareness, sustainable practices, and resilience-focused initiatives.

Across other SDGs, UPM maintains continuous outreach efforts that contribute to environmental conservation, resource management, and community development.

These initiatives reflect an integrated approach, ensuring that research and knowledge are translated into meaningful societal impact.

Overall, UPM’s outreach in 2025 reinforces its role as a key driver of sustainable development, aligning education, research, and community engagement to create lasting benefits for society.

SDGs Progress





SDG 1 – No Poverty

Universiti Putra Malaysia (UPM) is committed to supporting **SDG 1: No Poverty** by implementing inclusive initiatives that enhance financial security, access to basic needs, and socio-economic opportunities for **students, staff, and surrounding communities.**

STRENGTHENING WELFARE THROUGH WAQF AND ZAKAT FUNDS



**VAN MOBILITI OKU DAN BANTUAN
FOODBANK**

Universiti Putra Malaysia continues to strengthen student welfare and development through initiatives funded by endowment (waqf) and zakat. WAZAN presented a mock cheque of **RM205,700.00** to the Deputy Vice-Chancellor (Student Affairs and Alumni) for the **purchase of a mobility van to support students with disabilities on campus.**

RM100,000.00 was allocated for the **UPM Student Food Bank (2025–2026)** and presented to the Chair of the Residential College Principals Committee.

The total contribution of RM305,700.00 reflects WAZAN's ongoing commitment to enhancing student welfare and promoting a culture of knowledge through waqf.



WAQF AND ZAKAT FUNDS

WAZAN UPM has distributed **RM4.9 million in zakat funds, benefiting students and staff** while strengthening UPM's role in **supporting community well-being.** UPM Holdings Sdn. Bhd. also contributed a **RM120,000 waqf haemodialysis machine for patients** at the Putra Renal Intervention & Dialysis Centre (PRINCE), UPM.

Overall, WAZAN UPM plays a key role in managing welfare funds, including a total zakat fund of RM10.29 million, supported by contributions from corporate bodies, agencies, and individuals such as Lembaga Tabung Haji and Etiqa General Takaful Berhad.



SDG 1 – No Poverty

FOOD SECURITY



SAGA CHICKENS

Universiti Putra Malaysia (UPM) received **150 Saga chickens** through a collaboration with the Malaysian Agricultural Research and Development Institute, **strengthening the university's food security initiatives**. This effort also supports the growing demand for locally bred kampung chicken.



UPM Quail Innovation

Putra Agricultural Park UPM, has developed an innovative **quail farming project involving students and the community**. The programme provides training across the entire industry chain from breeding to marketing in supporting teaching, research, and knowledge sharing. Using easy-to-raise quails and innovative soy-corn feed, farmers save 50–60% on feed costs and increase profits from RM2.50 to over RM3 per bird, with a 4.05-hectare farm producing 500+ eggs daily. **Products are sold via PutraMart, social media, and direct sales (MyGAP certified)**. The initiative also trains new entrepreneurs, promoting national food security.

AGRO BANK **UPM** **PUTRA**
PROBEST 2025
SISWAZAH HARI INI, AGROPRENEUR ESOK
Dari Kampus Ke Ladang, Melestarikan Bumi,
Membina Ekonomi Hijau.

16 NOVEMBER 2025 (AHAD) 10.00 PAGI **BILIK KULIAH UGC, NURSERI BUAH, UPM**

Manfaat Program

- ✓ Elaun RM500/bulan selama 6 bulan
- ✓ Latihan & bimbingan dari pakar pertanian
- ✓ Sijil Penyertaan

Sila hubungi
Siti Aishah Mat Zin | 019-8252950

Imbas kod QR untuk mendaftar penyertaan anda sekarang! **Semua pelajar UPM dijemput hadir!**

Berilmu Berbakti **upm.edu.my**

PROBEST 2025

The Agricultural Park of Universiti Putra Malaysia (UPM), in collaboration with Agrobank, invites all UPM students and graduates to participate in **PROBEST 2025: Graduates Today, Agropreneurs Tomorrow** - a youth development initiative aimed at nurturing a new generation of competitive, innovative, and sustainable agropreneurs in the modern agriculture sector.

SDG 1 – No Poverty

COMMUNITY

UPM Bersama Komuniti Pesawah Merchong
PROJEK LABU MERCHONG

MANFAAT KOMUNITI PESAWAH

- ✓ Peningkatan produktiviti dan hasil tanaman.
- ✓ Peluang pendapatan tambahan.
- ✓ Pengurangan kos input melalui amalan mampan.
- ✓ Akses kepada pasaran yang lebih luas.
- ✓ Pemerksaan komuniti melalui ilmu dan teknologi.

- Inisiatif untuk meningkatkan pengetahuan, kemahiran dan produktiviti pesawah Merchong melalui tanaman labu sebagai tanaman sampingan kepada padi.
- Menggunakan teknologi pertanian moden bagi memperkukuhkan hasil tanaman dan produk labu.
- Mewujudkan peluang ekonomi baharu melalui tanaman dan pembangunan produk labu untuk komuniti pesawah setempat.

Kerjasama Strategik
UCTC dan PESAWAH MERCHONG

LCTC

AGENDA KETERJAMINAN MAKANAN UPM

Pertanian • Inovasi • Kehidupan
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The **Merchong Pumpkin Project** by Universiti Putra Malaysia (UPM), in collaboration with the Merchong Farming Community, empowers local farmers through agricultural innovation. The project enhances **knowledge, skills, and productivity by introducing pumpkin cultivation as a high-value supplementary income source**. Using modern technology and **sustainable farming practices, it promotes economic development, supports food security**, and encourages **environmentally friendly methods**. This initiative serves as a practical model for community engagement, innovation, and creating new livelihood opportunities in rural agriculture.



VANILLA CULTIVATION MODULE

UPM launched the **Vanilla Cultivation Module** to empower the Temerloh community with skills in planting, processing, and product development to meet rising local and global demand. Ten youths from Kampung Bangau Parit received training in homemade vanilla extract production, covering drying, extraction, and packaging techniques. This initiative enables participants to **generate new income from vanilla farming while stimulating the local economy and nurturing a new generation of vanilla entrepreneurs in Malaysia**.



SDG 1 – No Poverty

TRANSPORTATION SUPPORT



JADUAL & LALUAN PERKHIDMATAN BAS KAMPUS UNIVERSITI PUTRA MALAYSIA
CAMPUS BUS SERVICES SCHEDULE & ROUTES
UNIVERSITI PUTRA MALAYSIA

Disediakan oleh/Prepared by:
SEKSYEN PENGURUSAN KENDERAAN, BAHAGIAN HAL EHWAL PELAJAR, UPM
VEHICLE MANAGEMENT SECTION, STUDENT AFFAIRS DIVISION, UPM

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BUS @UPM

UPM believes in the importance of a reliable transportation system to support and enhance the quality of life at the campus. Our bus routes not only operates on campus but also off campus where UPM student dense populated area.



PEDESTRIAN PATHWAYS

Pedestrian pathways have been developed to ensure safe, accessible, and cost-free mobility for students and staff. By providing a reliable and inclusive infrastructure, these pathways reduce transportation-related expenses, support daily commuting, and enhance campus accessibility, contributing to **SDG 1: No Poverty** by alleviating financial burdens and promoting equitable access for all.

INFO PUTRA PERKHIDMATAN BAS UPM SEKITAR KAMPUS

- Pelajar Prasiswazah**
Pelajar boleh menggunakan bas tanpa bayaran tambahan kerana yuran pengangkutan telah dimasukkan dalam yuran pelajar
- Pelajar Pascasiswazah**
Pelajar hendaklah membeli tiket di Kaunter Bendahari 3 untuk menaiki bas kampus
- Waktu operasi:**
Setiap Hari 7.00 pagi – 11.00 malam
- Laluan:**
Kolej Kediaman
Fakulti
- 16** Buah bas disediakan sekitar kampus

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2
ZERO
HUNGER



SDG 2 – Zero Hunger

Universiti Putra Malaysia (UPM) is committed to supporting SDG 2: Zero Hunger by implementing inclusive initiatives that ensure access to sufficient, safe, and nutritious food, while promoting food security and well-being among students, staff, and surrounding communities.

FOOD SUPPORT INITIATIVES – FOODBANK



DAPUR MADANI @KTAG



FOODBANK @KOLEJ CANSELOR



DAPUR SISWA @KOSASS

UPM provides food support for students through initiatives such as **Dapur Siswa** and **foodbank programmes** at residential colleges and faculties. These initiatives ensure that students, especially those facing financial difficulties, have access to basic food supplies.

By offering consistent food assistance, the programme helps reduce food insecurity, supports student well-being, and allows them to focus on their studies. This effort contributes to **SDG 2 (Zero Hunger)** by ensuring no student is left without access to food.



SDG 2 – Zero Hunger

FOOD SUPPORT INITIATIVES – FREE MEALS FOR STUDENTS



Universiti Putra Malaysia (UPM) provides **free meals for students** through initiatives organised by individual faculties as well as student welfare units such as the Student Affairs Division (BHEP), WAZAN, and other related entities. This programme aims to **support students, particularly those from low-income backgrounds, by ensuring access to sufficient and nutritious food.**

The initiative not only helps to ease students' financial burden but also promotes their overall well-being and academic performance. By addressing food insecurity within the campus community, the programme directly contributes to the achievement of **Sustainable Development Goal 2 (Zero Hunger)**, ensuring that **no student is left behind in accessing basic nutritional needs.**





SDG 2 – Zero Hunger

SUSTAINABLE SOURCES

AGRO

SISA JADI SUMBER

Bahan cecair kilang kelapa sawit POME kaya bahan organik, nutrien rangsang pertumbuhan tanaman

DR MOHD HADI

POME AS AN ORGANIC FERTILIZER

...la juga kaya dengan bahan organik yang membantu mengangas per tumbuhan akar dan daun, sekaligus menjadikan POME sesuai digunakan sebagai baja organik larut dalam air atau biofertilizer.

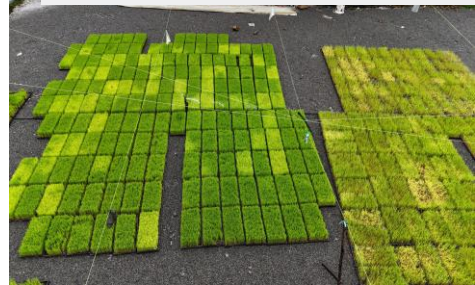
...Membantu, kadar penggunaan baja kimia dapat dikurangkan sehingga mampu mengurangkan kos pengeluaran petani. Selain itu, penggunaan POME dapat meningkatkan kesuburan tanah dan meningkatkan pertumbuhan tanaman.

FRUIT PEEL CLEANER BY UPM RESEARCHERS

UPM has developed **EnviroBio FruitFresh** over nearly two years. This cleaner, made from fruit peels, is effective for laundry, commercial kitchens, hotel towels, and office or food-surface sanitation. Free from SLS, SLES, and chlorine bleach, it has a gentle pH of 6–7, safe for skin. The innovation supports zero-waste and circular green economy principles, turning food waste into a sustainable, practical solution for everyday cleaning while benefiting both users and the environment.

Projek Pertanian Putra: Hidroponik @ KSR

Students from Kolej Sri Rajang (KSR) at UPM launched a **hydroponics project** combining modern technology with sustainable practices. Using the **Deep Flow Technique (DFT)**, the system saves up to 90% of water, strengthens students' skills in sustainable agriculture, and supports **SDG 2 (Zero Hunger)** and **SDG 12 (Responsible Consumption & Production)**. Crops such as mustard greens and spinach are sold to the campus community, promoting self-sufficiency, sustainable living, and fostering a culture of eco-friendly, responsible food production.





SDG 3 – Good Health and Well Being

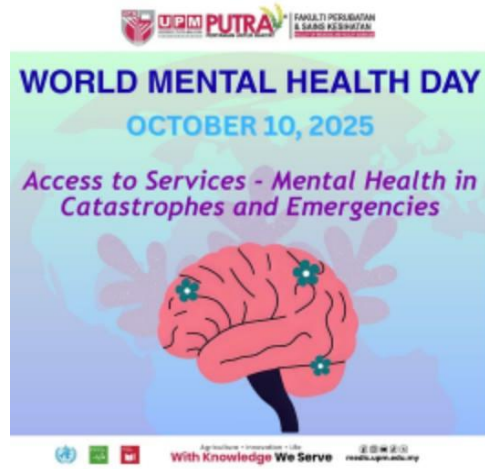
Universiti Putra Malaysia supports **SDG 3: Good Health and Well-Being** by promoting healthcare services, wellness programmes, and health education for students, staff, and communities.

HEALTH MONTH / DAY INITIATIVES



Health Month or Health Day initiatives at Universiti Putra Malaysia (UPM) promote awareness of physical and mental well-being among students, staff, and the community. Activities may include **health screenings, fitness challenges, educational talks, and wellness campaigns.**

These initiatives encourage preventive care, healthy lifestyles, and early detection of diseases, directly contributing to SDG 3: Good Health and Well-being by reducing health risks, improving quality of life, and fostering a culture of holistic wellness within the university and surrounding communities..





SDG 3 – Good Health and Well Being

LOCAL COMMUNITY OUTREACH PROGRAM



Karnival Ban Canal 2025

The Health Sciences at the Agricultural and Applied Sciences (HSAAS) UPM enhanced rural healthcare access through its **Outreach Program at Karnival Ban Canal 2025 – KPT Prihatin Madani**, providing free health screenings and education to 867 local residents in Parit 14, Simpang 5.

With support from SABDA, KPT, and Selangor MBI, the HSAAS-UPM team, led by Tuan Sharman Yeop Ismail, offered basic health checks, medical consultations, prostate cancer screenings, colon cancer awareness talks, hand hygiene demonstrations, and basic lifesaving training. Mobile clinics were also deployed to improve community access.



PROGRAM SKUAD PUTRA



SPM ACADEMIC CAMP PHASE 2 SMK SENAWANG



HEALTHCARE @PULAU CAREY

The Faculty of Medicine and Health Sciences (FPSK), Universiti Putra Malaysia (UPM), organized a **Community Service Program** at Sungai Rambai Orang Asli Village, Pulau Carey, in collaboration with Beacon Hospital and Global Precision Diagnostic.

The initiative aims to strengthen partnerships between the university, industry, and local communities through health, education, and social well-being activities. By improving access to healthcare and promoting holistic wellness, the program supports **SDG 3: Good Health and Well-being** while fostering inclusive community development and social empowerment.



KEBUN KOMUNITI DAN PENGKOMPOSAN LESTARI (SABAH)



BATIK



SDG 3 – Good Health and Well Being

SYMPOSIUM



The 13th International Symposium on Applied Engineering & Science (SAES2025) was held at the Faculty of Medicine and Health Sciences, Universiti Putra Malaysia, on 10–11 November 2025. The symposium brought **together scholars, researchers, and global leaders to discuss engineering and scientific innovations aimed at advancing sustainable solutions for planetary health.**

By promoting interdisciplinary collaboration and sustainable technological development, the event supports **SDG 3: Good Health and Well-being** and **SDG 9: Industry, Innovation, and Infrastructure**, contributing to **healthier communities and a more sustainable planet.**

Department of Environmental Science and Technology and the Department of Environmental Management, Faculty of Forestry and Environment, in collaboration with Agilent Technologies, invites participants to the **Microplastic Workshop 2025: Microplastic Monitoring and Data Analysis**, held in conjunction with the **International Conference on Environmental Forensics (iENFORCE) 2026**. The workshop aims to provide hands-on training in detecting, monitoring, and analyzing microplastics in environmental samples. It emphasizes practical skills, data interpretation, and scientific approaches to address plastic pollution, contributing to environmental sustainability and responsible management of natural resources.



SDG 3 – Good Health and Well Being

WEBINAR/ SHARING SESSION

JERAYAWARA BKUPM SIRI 1 : KEPENTINGAN KESEHATAN MENTAL & KENALI DIRI
 Sempena Minggu Keselamatan dan Kesejahteraan Pekerja (Minggu RHP 2025) dan Sambutan Juri Emas Kolej, Canselor

Aktiviti Utama:

- ujian personaliti
- saringan kesihatan mental

RABU, 28 Mei 2025
 9.00 pagi - 4.00 petang
 Dewan Sri Pulisan, Kolej Canselor, UPM

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Berilmu Berbakti

Mental Health is Real : Jangan Pandang Sebelah Mata
 11 September 2025 (Khamis)
 Bilik Seminar Dusun, Kolej Canselor UPM
 Bersama: Puan Kemelia Omar, Kauselor BKUPM

Kmpcn
 Pertanian • Inovasi • Kehidupan
Berilmu Berbakti

FOOD ANALYSIS TRAINING 2025

Date & Time: 5-8 August 2025, 8.00 AM – 5.30 PM
 Location: BKS1, Food 5, FSTM, UPM Serdang
 Hands-On: Food Biochemistry Laboratory, Food 3, FSTM, UPM Serdang

Tentative Curriculum:

- Day 1 - Lecture:** Japanese Agricultural Standards (JAS) - Functional food labeling system in Japan
- Day 2 - Lecture:** JAS Testing Methods - Development of Lutein JAS ISO/IEC 17025
- Day 3 & 4 - Hands-on Activity - Determination of Lutein using HPLC (LIMITED SEAT):** Sample preparation, Data Analysis

Don't miss this incredible journey into the world of Food Analysis!

MAFF, UPM PUTRA, FAKULTI SAINS DAN TEKNOLOGI MAKANAN

TEA & TALK SESSION WITH BUCHI
 Co-organizer: Supercritical Fluid Centre (SFC), FSTM, UPM

NATURAL PRODUCTS: IMPROVING YOUR SEPARATION AND PURIFICATION

15th August 2025, At 9.00am – 12.30pm
 Bilik Kuliah Sivaraman, Food 5, Faculty of Food Science & Technology, UPM Serdang

INVITED SPEAKER: Mr. Hisham Tamer, Business Development Manager (APAC), Preparative Chromatography, BUCHI, Switzerland

Are you still using open column chromatography for your natural products extracts? This talk is for you. Let's learn the latest technology & innovation of preparative chromatography, and how our Flash, Prep, HPLC and Prep SFC would transform your separation & purification work.

FREE REGISTRATION ONLY FOR UPM STUDENTS AND STAFF

BUCHI
 Agriculture • Innovation • Life
 With Knowledge We Serve

URUS TEKANAN DI MUSIM PEPERIKSAAN
 15 JULAI 2025 | SELASA | 12 - 1 PM

CIT CAT bersama **Kaunselor**

BERSAMA EN ZAIM
 PEGAWAI PSIKOLOGI BKUPM

BALIKAN KEJADAMA
 PERTANIAN • INOVASI • KEHIDUPAN
Berilmu Berbakti

PROGRAM PSIKOEDUKASI KESEHATAN MENTAL "SELF-CARE ATAU SELFISH?"
 Memahami Batas Sayangji Diri

04 JULAI 2025 | JUMAAT 9.30 - 11.30 PAGI

JOM SERTAI!

PENYAJI: ENCK FUDHAL HAKIM AKIF BIN ISRAHAM, GURU KAUNSELING DI SANGA NOKAH, IPOH, PERAK

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TERAPI Penyembuhan Melalui Kreativiti Seni & Terapi Alam OBJEKTIF

16 Julai 2025 (RABU) 8.00-9.30 petang
DAFTAR SEGERA

Perkongsian ilmu antara AKRAB UPM dan AKRAB MISBA Selangor

Perkongsian ilmu antara AKRAB UPM dan AKRAB MISBA Selangor

DAFTAR SEGERA

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SCAN HERE

REGISTER NOW

FREE!

- Participants must commit to attending the entire program.
- Limited seats are available for the hands-on training session. Registration will be confirmed on a first-come, first-served basis.
- E-certificate will only be issued to participants who attend the full program and submit both the pre- and post-program questionnaires.

Contact Information: shazini@upm.edu.my, +60 19-288 4763

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Universiti Putra Malaysia (UPM) actively organizes **webinars and sharing sessions** focused on health and well-being to support **SDG 3: Good Health and Well-being**. These sessions provide a platform for experts, academics, and healthcare professionals to share knowledge on topics such as **disease prevention, mental health, nutrition, and healthy lifestyles**. Conducted both physically and online, they ensure wider **accessibility for students, staff, and the community**.

By promoting health awareness, encouraging preventive practices, and fostering informed decision-making, these initiatives contribute to improving overall quality of life, reducing health risks, and building a healthier, more resilient campus community.



SDG 3 – Good Health and Well Being

SOCIAL GAMES



PUTRASIHAT 2025

PUTRASihat 10,000 Steps initiative to encourage students and staff to adopt healthier lifestyles by walking 10,000 steps daily. This programme promotes physical activity, mental well-being, and holistic health, helping to prevent lifestyle-related illnesses such as obesity, diabetes, and cardiovascular diseases.

By fostering a culture of wellness and encouraging consistent movement, the initiative supports **SDG 3: Good Health and Well-being**, contributing to healthier, more productive individuals and strengthening overall community health within the university.



BASKETBALL TOURNAMENT



Mud Run 2.0

Universiti Putra Malaysia (UPM) promotes SDG 3: Good Health and Well-being through **social games that encourage physical activity, teamwork, and mental wellness**. Activities such as sports events, fitness challenges, and interactive wellness games help reduce stress, improve fitness levels, and strengthen social connections among students and staff.

These initiatives foster a **healthy lifestyle, enhance emotional well-being**, and create a **supportive campus environment**, contributing to a more active, balanced, and resilient university community.

UPM PUTRA PUSAT KOKURIKULUM & PEMBANGUNAN PELAJAR
UNIVERSITI PUTRA MALAYSIA PERTANIAN UNTUK BAKYAT

INTENSIVE BASIC SWIMMING 2.0

Tarikh: 18hb Jan 2025, Sabtu
Masa: 8 pagi - 5 petang
Tempat: Kompleks Renang UPM
Yuran: RM20

"Atasi fobia, Asah kemahiran"

TEKNIK PEMBELAJARAN → Gaya bebas, kuduk dada, kuduk kuku, kuduk lentang, keselamatan dalam air

PERCUMA:
• Googles renang
• Topi renang
• Sijil
• Merit

Peserta terhad!
Daftar sekarang!

Anjuran: Renang Asas (QKS2112-1) Kumpulan 1 Semester 1 dan Sesi 2024/2025

Sebarang pertanyaan!!
01140657349 (Eman)
01116458780 (Sheng)

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Join Us!
CHARITY FUN RUN
14TH JUNE 2025
ACADEMIC COMPLEX, UPM

Merit provided for UPM students!

PERANTERAN: CHARITY FUN RUN, LUCKY DRAW

Register Now! More Info!

| | | | |
|--|--|---|--|
| Early Bird: (First 1000 only) 5 KM - RM50 10 KM - RM70 | UPM Member: 5 KM - RM60 10 KM - RM80 | Non-UPM Member: 5 KM - RM80 10 KM - RM100 | Children: 5 KM - RM20 10 KM - RM40 |
|--|--|---|--|

In Collaboration with: **Zahran**, **YBK**, **BROD**

With Knowledge We Serve



SDG 3 – Good Health and Well Being

VOLUNTEERING



KUDAH



SKUAD PUTRA @SMK SERI INDAH



Program KSR Blood Donation



Putra BriskWalk Plogging @Sarawak



KAMPUNG ANGKAT

Universiti Putra Malaysia (UPM) supports **SDG 3: Good Health and Well-being** through **community outreach** activities such as health screenings, awareness campaigns, and wellness programmes. Students and staff actively participate in **promoting healthy lifestyles, mental health support, and disease prevention within both campus and surrounding communities.**

These initiatives not only improve public health awareness and access to basic healthcare services but also develop students' empathy, leadership, and communication skills, contributing to a healthier, more informed, and socially responsible society.



SDG 3 – Good Health and Well Being

SUPPORT SERVICES



The Faculty of Medicine and Health Sciences (FPSK), University Health Centre (PKU), Hospital Sultan Abdul Aziz Shah (HSAAS), UPM Counselling Division (BKU), and the Sports Academy play key roles in advancing SDG 3 through research and community engagement in public health, nutrition, disease prevention, mental health, and physical wellness. Various workshops, health screenings, and outreach programmes have been conducted to address issues such as obesity, diabetes, food safety, and fitness among students and the wider community.

UPM also integrates mental health support services and well-being campaigns across campus, fostering a balanced and healthy lifestyle among staff and students. Through the alignment of research, education, and community service, UPM demonstrates that universities are not only centers of academic excellence but also active agents of social change in building healthier and more resilient communities truly embodying the spirit of SDG 3.





SDG 4 - Quality Education

Universiti Putra Malaysia supports **SDG 4: Quality Education** by providing inclusive, high-quality learning through diverse academic programmes, research opportunities, and industry collaboration. UPM enhances student development via innovation, digital learning, and lifelong education initiatives, while outreach programmes and community engagement ensure accessible education and knowledge sharing for wider society.

FINANCIAL AID



HELP LINE FOR VICTIMS OF GAS PIPELINE EXPLOSION IN PUTRA HEIGHTS



CONTRIBUTIONS TO ASNAF STUDENTS, ORPHANS, MUALAF AND OKU



PERANTI SISWA FOR B40 STUDENTS



PERANTI UNTUK PELAJAR ASNAF UPM

Universiti Putra Malaysia (UPM) provides **financial assistance to asnaf students, orphans, converts (mualaf), and students with disabilities (OKU), ensuring the welfare and well-being of its campus community.** Managed by the WAZAN Centre, zakat funds totalling RM10.29 million including contributions from Lembaga Tabung Haji and Etiqa General Takaful Berhad support equal access to education.

In addition, UPM provides **Peranti Siswa (student digital devices)** to enhance access to online learning. These initiatives support SDG 4: Quality Education by reducing financial and digital barriers, ensuring inclusive and equitable learning opportunities for all students.



CACEIS MALAYSIA FUTURE-LINK



SDG 4 - Quality Education

SCHOLARSHIP



Universiti Putra Malaysia (UPM) provides comprehensive financial support through multiple units. **The School of Graduate Studies (SGS) manages scholarships for postgraduate students**, while the **Student Affairs Division (BHEP) oversees assistance for undergraduate students**. Program **SULONG 3.0** further supports students from underprivileged backgrounds through targeted initiatives. In addition, UPM offers **student welfare funds (Tabung Kebajikan Pelajar)** to assist those facing financial difficulties.

These initiatives ensure inclusive and equitable access to education, supporting **SDG 4: Quality Education** by reducing financial barriers and enabling students to succeed academically.

| SCHOLARSHIPS/TRAVEL GRANT BY UC/SEARCHA | SCHOLARSHIP/FINANCIAL ASSISTANCE UPM | OTHER SCHOLARSHIPS | OTHERS |
|--|---|---|--|
| <ul style="list-style-type: none"> Southeast Asian University Consortium (UC) Faculty Travel Grant Southeast Asian University Consortium (UC) Student Travel Grant SEARCHA Full Master's And PhD Scholarships | <ul style="list-style-type: none"> Graduate Research Fellowship (GRF) Graduate Research Assistantship (GRA) International Graduate Student Scholarship (IGSS) Putra Alumni Scholarship Scheme (PASS) - Local Putra Alumni Scholarship Scheme (PASS) - International Biasiswa Khas Wartawan (BKW) Financial Incentive for Excellent Graduates (BYSIC) Special Graduate Research Allowance Scheme (SGRA) Financial Assistance to Attend International Presentation Financial Assistance for International Research Attachment | <ul style="list-style-type: none"> Fee Exemption Incentive for Sponsors Scheme (FEISS) OWSD PhD Fellowships Queen Elizabeth Commonwealth Scholarships Commonwealth Scholarship LPDP Scholarship : For Indonesian Bolashaq International Scholarship : For Kazakhstani | <ul style="list-style-type: none"> DPPTN (Perbadanan Tabung Pendidikan Tinggi Nasional) EPF Online Withdrawal (e-pengeluaran) for Education Withdrawal |

INFO PUTRA

TABUNG KEBAJIKAN PELAJAR

Tabung kebajikan pelajar diwujudkan bagi meringankan beban pelajar UPM yang mempunyai masalah berkaitan kebajikan dan kecemasan

Kecemasan

RM200

Yuran Pengajian

RM400 (sepija)
RM500 (sampa penaja)

Sara Diri

RM300

Kemalangan/ Sakit

RM200

Sumbangan Kematian (Pelajar/Ibu/Bapa)

RM400

Belanja Runcit/ Tol (Pengurusan Jenazah Pelajar)

Urusan Penghantaran Jenazah Pelajar

Lain-Lain Musibah

Cara Memohon

- Muat turun Borang Tabung Kebajikan Pelajar di laman web atau ambil borang di Pejabat Bahagian Hal Ehwal Pelajar
- Lengkapkan borang dan hantar ke Pejabat Bahagian Hal Ehwal Pelajar

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TABUNG PERLINDUNGAN PELAJAR

UNIVERSITI PUTRA MALAYSIA

TABUNG PERLINDUNGAN PELAJAR Universiti Putra Malaysia (UPM) ini adalah bagi meringankan Skem Perbelanjaan bilik-bilik di kampus Kolej dengan lebih banyak manfaat yang boleh dibayar oleh pelajar.

PERBELAJARAN PERBELAJARAN (BAYAR & TUNJUK)

Manfaat Perbelanjaan: **RM2,000**

Alat: Perbelanjaan: **RM1,000**

PEMBAYARAN KOSONG SELAMA PERMANTAI

Bayar: **50%**

Belanja: **30%**

Perbelanjaan: **10%**

KELATAP

Alat: Perbelanjaan: **RM9,000**

Perbelanjaan: **75%**

Perbelanjaan: **35%**

Perbelanjaan: **100%**

MANFAAT PERLINDUNGAN

TABUNG PERLINDUNGAN PELAJAR UNIVERSITI PUTRA MALAYSIA

[facebook.com/bhepupm](https://www.facebook.com/bhepupm)
[@bhepupmofficial](https://www.instagram.com/bhepupm)
[instagram.com/bhepupm](https://www.instagram.com/bhepupm)
[youtube.com/bhepupm](https://www.youtube.com/bhepupm)

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SDG 4 - Quality Education

OUTREACH PROGRAMME



KNOWLEDGE TRANSFER ON PINEAPPLE JAM PRODUCTION EMPOWERING SAWAH SEMPADAN COMMUNITY



STEM FOR SCHOOL STUDENTS

Universiti Putra Malaysia (UPM) implements an outreach programme to **promote knowledge transfer on sustainable waste management among communities, industry, students, and staff**. Through **hands-on training and STEM-based learning**, participants gain practical skills in converting organic waste into valuable compost products.

This initiative supports **SDG 4: Quality Education** by providing inclusive, experiential learning opportunities, enhancing environmental awareness, and equipping participants with relevant skills for sustainable practices, lifelong learning, and real-world application.



COURSE ON MAKING LIVESTOCK FOOD BASED ON KENAF



PROJECT COMPOS @SG MERAB



ORGANIC COMPOST @PERBADANAN PUTRAJAYA



SDG 4 - Quality Education

KNOWLEDGE

E-MOBILITY UPM X TNAU: FROM SOIL TO SUCCESS
THEME: AGRICULTURE

Speaker 1:
YBrs. Dr. Daijit Singh A/L Karam Singh
Senior Lecturer, Department of Land Management, Faculty of Agriculture, Universiti Putra Malaysia.

Speaker 2:
Prof. Dr. C Indu Rani
The Head, Vegetable Crops Faculty, Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu, India.

19 - 21 December 2025
8.30 p.m.

Online Platform

INTELEK. CEMERLANG. TEGUH

2025 MICROPLASTIC WORKSHOP
MICROPLASTIC MONITORING AND DATA ANALYSIS

Complex B, Faculty of Forestry and Environment, Universiti Putra Malaysia
Wednesday, 10 September 2025
From 08:00AM to 05:00PM

SPEAKERS

- Dato' Ir. Dr. Nasshir Khas E. M Yahaya**
Deputy Director General, National Water Research Institute Malaysia (NAHRIM)
Microplastics as Overview of Environmental Impacts and Current Mitigation Trends
- Ms. Chow Mee Ling**
Specialist, AgriNet Technologies Sdn Bhd
High-Resolution Microplastics Analysis: Leveraging AgriNet Technologies' Advanced CD/IR Workflow
- Dr. Tan Poh Lal**
Microplastic Technical Consultant, Novartis Scientific Sdn Bhd
Microplastics Under the Microscope: Investigating Sources, Pathways and Impacts
- Dr. Chin Tein Tean**
General Manager ALS Technolabs (M) Sdn Bhd
Methods for Analyzing Microplastics Across Diverse Sample Matrices

Fee: RM 200/Pax including meals & E-Certificate

Contact Us: Microplastic@upm.edu.my / 03-3300281



PRESERVING SERUMPUN LITERATURE AND CULTURE BETWEEN MALAYSIA AND INDONESIA



AQUATIC ANIMAL HEALTH & THERAPEUTICS: ADDRESSING AMR CHALLENGES IN MALYSIAN AQUACULTURE



Smart Hidroponik @ SK BANGI

THE ROLE OF COMPUTER SCIENCE IN ACHIEVING SUSTAINABLE DEVELOPMENT GOALS (SDGS)

16 MAY, 2025 | FRIDAY
11.30 AM (MY) 19.00 AM (IST)

OUR SPEAKERS:

- DR. MOHD YUNUS SHARON** - Moderator
- ASSOC. PROF. DR. THIRUGANAN PERUMAL** - Faculty of Computer Science and Information Technology, Universiti Putra Malaysia
- PROFESSOR DR. VUJATA K.** - SME Institute of Science and Technology, Chennai
- DR. BAGAVAN KRISHNAMOORTHY** - Managing Director, Starix Technology
- KRISHNA VENKATASUBRAMANIAN** - Senior Technical Program Manager - Global Business Discovery - Global Partner Integration
- DINESH P P** - Member Technical Staff (Research & Development) - Ghee Corporation Pvt Ltd

Co-organizer: [MDNORTH](https://www.mdnorth.com), [ITSM](https://www.itsm.com), [CITECH](https://www.citech.com), [ITSM](https://www.itsm.com)

Join us to be part of the digital transformation for a better tomorrow!

Universiti Putra Malaysia (UPM) actively promotes **SDG 4: Quality Education** through **webinars, seminars, and knowledge-sharing sessions** focused on **agriculture, climate change, green energy and related to planetary health and sustainability**. These initiatives provide students, staff, and the wider community with access to the latest **research, innovations, and practical solutions** in sustainable development.

By engaging experts, industry leaders, and academics, participants gain critical skills and insights that enhance learning, professional growth, and environmental stewardship. UPM's programmes foster inclusive, lifelong learning opportunities, bridging theory and practice, and equipping participants to apply sustainable practices in agriculture, energy, and climate-resilient initiatives.



SDG 5 – Gender Equality

Universiti Putra Malaysia supports **SDG 5: Gender Equality** by promoting equal opportunities in education, leadership, and employment. UPM ensures inclusive policies, safe campus environments, and empowerment programmes for women and all genders, while encouraging participation in academics, research, and decision-making, fostering a fair, respectful, and inclusive university community.

HEALTH AWARENESS CAMPAIGNS

PROGRAM KAMI PEKERTI @UPM 2025
"Cakna Diri, Seksualiti dan HIV"

21 JUN 2025 (SABTU) 8.00 PAGI – 6.00 PETANG

TENERA HOTEL & SUITES

UPM PUTRA PERTANIAN UNTUK RAKYAT

BERILMU BERBAKTI

Webinar Wanita Berilmu Tunjang Legasi

YBhg. Profesor Dr. Rumaya Juhari

Tarikh: 19hb Mac 2025
 Masa: 09:30 - 11:30 Pagi

Mata CPD akan diberikan kepada staf UPM

meet.google.com/vnr-hpzz-pac

asfalani@upm.edu.my | 03 - 9769 4766

Universiti Putra Malaysia (UPM) actively promotes **SDG 5: Gender Equality** through initiatives **focused on women’s empowerment, leadership, and well-being**. UPM organises seminars, forums, and workshops that address women’s rights, career development, entrepreneurship, and work-life balance.

Programmes such as women leadership training, health awareness campaigns, and capacity-building activities provide platforms for women to enhance their skills, confidence, and participation in decision-making roles. UPM also ensures equal access to education, research, and career opportunities for female students and staff.

These initiatives create a supportive and inclusive environment, empowering women to thrive academically, professionally, and socially.

Selamat Menyambut Hari Wanita
 "Wanita Beraspirasi Membina Legasi" | 8 Mac 2025

Berilmu Berbakti





SDG 5 – Gender Equality

STEM ACTIVITIES



STEM EXPOSES STUDENTS TO MICROBIAL SCIENCE

UPM Initiatives Supporting SDG 5 (Summary)Universiti Putra Malaysia (UPM) supports SDG 5: Gender Equality through inclusive **STEM and empowerment initiatives**. Programmes such as STEM: Dunia Mikrob and STEM Voyage **encourage equal participation among students, including young girls, by fostering interest in science, technology, engineering, and mathematics from an early stage**. These initiatives aim to break gender stereotypes and promote equal opportunities in STEM fields.

Through hands-on activities, interactive learning, and mentorship, participants are **exposed to real-world applications of STEM, building confidence and skills regardless of gender**. UPM also promotes an inclusive learning environment where both male and female students are given equal access to education, competitions, and international exposure. Student achievements at global platforms, such as the Eindhoven Semicon Summer School 2025, further highlight UPM's commitment to nurturing diverse talent.



STEM Voyage

Overall, these initiatives empower women and girls, enhance their participation in STEM, and contribute to a more inclusive, innovative, and gender-balanced future workforce.



SDG 5 – Gender Equality

ACHIEVEMENT



PELAJAR MOBILITI ASEM UPM MENANG CABARAN ASEM FUTURE INNOVATORS



PERTANDINGAN ANTARABANGSA DI EINDHOVEN SEMICON SUMMER SCHOOL

Universiti Putra Malaysia (UPM)'s success in competitions such as the Startup World Cup West Malaysia Chapter 2025, ASEAN Future Innovators Challenge, Eindhoven Semicon Summer School 2025, and TEKNOFEST reflects its strong commitment to **SDG 5: Gender Equality**. These platforms provide equal access and participation opportunities for both male and female students in innovation, entrepreneurship, and STEM-related fields.

By encouraging inclusive participation, UPM ensures that women are equally represented and empowered to showcase their talents at national and international levels.

This helps break traditional gender stereotypes, builds confidence among female students, and promotes leadership and technical skills. Consequently, these achievements demonstrate how UPM nurtures a gender-inclusive environment that supports women's advancement and equal opportunities in high-impact fields.



Startup World Cup West Malaysia Chapter 2025



PERTANDINGAN ROKET TEKNOFEST



PERTANDINGAN ROKET TEKNOFEST



SDG 5 – Gender Equality

COMMUNITY

Projek akuakultur anjuran UPMS bantu tambah sumber pendapatan isi rumah

BINTULU: Golongan nelayan dan komuniti setempat di harap dapat menambah sumber pendapatan rumah tangga terutamanya bergantung kepada hasil laut yang sangat memerosot disebabkan dalam Projek Teruskan Ikan Air Tawar dan Pengurusan Penyakit anjuran Universiti Putra Malaysia Sarawak (UPMS), baru-baru ini.

Bagi melaksanakan projek ini, satu set akuakultur lengkap yang terdiri daripada tangki kanvas, sistem Recirculating Aquaculture System (RAS), maki, kit kualiti air, pam oksigen, pam air dan peralatan lain telah diserahkan kepada 20 peserta terlibat.

Ketua projeknya Dr Wan Zaidi Wan Morni berkata, dengan kelengkapan yang disediakan itu, para peserta akan memangsang set akuakultur di kediaman masing-masing sebelum menerima anak benih ikan air tawar bagi fasa pertama projek berkenaan.

Katanya, fasa kedua telah dilaksanakan pada September tahun ini, dengan setiap peserta menerima 200 ekor anak ikan tilapia hibrida

Hiwarudin Perikanan, Fakhri Saiz Perikanan dan Perikanan UPMS itu merupakan inisiatif di bawah Program Pendidikan Komuniti (UnMADANI) Kementerian Kewangan Malaysia (MOP) melalui Pusat Transformasi Komuniti Universiti (UKCK) UPM.

Ini merupakan program berorientasi bermula dengan sesi penambah ilmu selama dua hari pada 2 hingga 3 Ogos 2025 dengan memberi tumpuan kepada pendalaman teori dan praktikal berkaitan asas penternakan ikan air tawar.

Antara pakar dari Jabatan Sains Haiwan dan Perikanan UPM yang terlibat ialah Dr Kamil Latif, Johan Ismail dan Dr Syahida Ahmad. Malah, peserta malah mempunyai dari Jabatan Perikanan Sarawak ialah Robert Muzaman yang berpengalaman dalam bidang akuakultur dan pengurusan penyakit ikan.

Sepanjang program berlangsung peserta didedahkan dengan pelbagai topik seperti prinsip asas akuakultur, pemakanan ikan, pengurusan kualiti air, penyakit ikan serta sistem teruskan akuakultur moden.



INOVASI: Dr Wan Zaidi (tengah) menunjukkan kelengkapan bagi penternakan ikan air tawar di hadapan para peserta.

Ujarnya, peserta program malerininya golongan nelayan di harap akan dapat mengagihkan ilmu dalam pelaksanaan projek ini bagi menambah sumber pendapatan isi rumah tanpa teralut bergantung kepada hasil laut atau sungsang.

Secara keseluruhannya, program ini bukan sahaja menyertai minat komuniti terhadap pengetahuan dan kemahiran berkaitan akuakultur dan pengurusan tawar, malah memperkukuhkan peransur UPMS sebagai institusi yang berorientasi melahirkan agapepreneur (usahaawan akuakultur) tempatan yang berilmu, inovatif dan berdaya saing," jelasnya.

Pada masa sama, program diadakan di Jabatan Sains



UPM RECEIVES THE "LEADER OF THE DECADE" AWARD AT WEF ASEAN 2025



UPM LAUNCHES AGROPRENEUR HOPE 2025 PROGRAM, OPENING A SECOND CHANCE TO 50 ODS



UPM RECEIVES RM575,000 GRANT FOR 11 UNIMADANI COMMUNITY EMPOWERMENT PROJECTS

AQUACULTURE PROJECT ORGANIZED BY UPMS HELPS ADD INCOME FOR HOUSEHOLDS

Universiti Putra Malaysia (UPM) demonstrates its commitment to SDG 5: Gender Equality through **various inclusive and empowerment-driven initiatives**. The aquaculture project by UPMS helps increase household income, providing equal economic opportunities for women in local communities. UPM's recognition as **"Leader of the Decade"** at WEF ASEAN 2025 highlights its role in promoting women's leadership and participation at regional levels. The **Agropreneur Hope 2025 Programme** offers a second chance to 50 participants, including women, to rebuild their livelihoods through entrepreneurship.

Additionally, the **RM575,000 grant for 11 UNIMADANI community empowerment projects** supports inclusive development, ensuring women benefit from skills training, income generation, and capacity-building opportunities, thus strengthening gender equality and socio-economic inclusion.

SDG 6 – Clean Water and Sanitation

In 2025, Universiti Putra Malaysia (UPM) implemented several programmes supporting **SDG 6: Clean Water and Sanitation**, focusing on sustainable water management, hygiene, and sanitation awareness. UPM conducted community outreach initiatives to educate local communities on safe water usage, wastewater treatment, and proper sanitation practices.

EDUCATION PROGRAMME

2025 MICROPLASTIC WORKSHOP
MICROPLASTIC MONITORING AND DATA ANALYSIS

SPEAKERS

- Dato' Ir. Dr. Naszir Khan EM Yahaya**
Deputy Director General, National Water Research Institute Malaysia (NAHRIM)
Microplastics: An Overview of Environmental Impacts and Current Pollution Trends
- Ms. Chow Mee Ling**
Spectroscopy Specialist, Agilent Technologies Sdn Bhd
High-Resolution Microplastics Analysis: Leveraging Agilent Technologies' Advanced LDR Workflow
- Dr. Tan Poh Lal**
Microscopy Technical Consultant, Novatig Scientific Sdn Bhd
Microplastics Under the Microscope: Investigating Sources, Pathways and Impacts
- Dr. Chin Teen Tean**
General Manager A&S Technichem (M) Sdn Bhd
Methods for Analyzing Microplastics Across Diverse Sample Matrices

Workshop Outline:
An overview of microplastic pollution trends and environmental impacts; advanced analytical techniques; microplastic investigations of microplastic; and methods for analyzing microplastics across various environmental sample types.

Agilent Technologies
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PROJEK AIR BERSIH: SISTEM PENYAHGARAMAN AIR LAUT & KITAR SEMULA BOTOL TERPAKAI
PULAU OMADAL, SEMPORNA, SABAH | 2024-2026

Aktiviti pengurusan sampah plastik di Pulau Omadal telah dimulakan sejak Disember 2021 oleh ISKUL, WWF, WAPO dan komuniti Pulau Omadal. Hasil dari kutipan 2022-2023, lebih kurang 1.6 tan sampah plastik telah berjaya dikutip. Sehingga Mac 2024, mereka telah berjaya mengutip sejumlah 160kg plastik dan 25kg botol plastik.
(Sumber: Facebook Iktis Samsi DiLaut Omadal)

MENAMBAHBAK AKTIVITI KITAR SEMULA BOTOL TERPAKAI

TUJUAN:

- Memudahkan pengurusan penghantaran
- Menjimatkan ruang simpanan
- Melaksanakan dan menyokong aktiviti kesedaran akan kepentingan menjaga alam sekitar - kitar semula botol terpakai

Isu Pencemaran Botol Terpakai

Disebabkan kebergantungan tinggi terhadap air mineral di dalam botol, telah menyebabkan:

- 7,736 botol plastik terbuang / bulan
- 260 kg sisa buangan / bulan
- RM 200 kos pengangkutan / bulan

Adanya Sistem Penyahgaraman Air Laut,

- Penjimatan pembelian air dan kos bot - anggaran sehingga RM 500
- Penjanaan pendapatan sampingan - anggaran sehingga RM 1,000

Adanya AIR BERSIH pelung aktiviti ekonomi:

- Aktiviti kitar semula
- Jualan air bersih kepada pulau pelancong
- Aktiviti bercucuk tanam untuk keperluan sendiri dan pulau berhampiran
- Aktiviti menjual kulkah
- Servis dobi
- Perkhidmatan Inap Dimal Homestay
- Aktiviti penghasilan produk dari sumber laut
- Aktiviti penanaman rumpai laut

"CLEAN WATER CHANGES EVERYTHING"



AQUACULTURE WATER QUALITY SENSOR



ICCA@TIOMAN 202



DECENTRALIZED SEWAGE TREATMENT SYSTEM (ISTP)

Universiti Putra Malaysia (UPM) actively implements initiatives in to support SDG 6: Clean Water and Sanitation through **innovative research, technology, and community engagement**. UPM developed an **Aquaculture Water Quality Sensor Program** to help farmers monitor and maintain healthy water conditions for fish breeding. Sustainability efforts also include plastics recycling and waste management methods to reduce water pollution.

Through events like **ICCA@Tioman**, UPM promotes **water conservation and environmental awareness**. Additionally, the **Decentralized Sewage Treatment System (ISTP)** demonstrates efficient wastewater management, ensuring safe water access and sanitation while fostering sustainable practices for communities and campus operations.

SDG 6 – Clean Water and Sanitation

WATER REUSE



SMART RAIN @ PENDETA ZA'BA COLLAGE



RECYCLED TREATED WATER FOR BREEDING SEEDS



CATCHMENT PONDS FOR FERTIGATION PLANT



RAINWATER HARVESTING



HYDROPONIC @HSAAS

Universiti Putra Malaysia (UPM) implements innovative water sustainability initiatives to support SDG 6: Clean Water and Sanitation. At Kolej Pendeta Za'aba, the **Smart Rain system** captures rainwater for various uses, while treated recycled water is **utilised for breeding seeds, aquaculture, and watering plants in offices and campus green spaces**. These initiatives promote efficient water management, reduce dependence on freshwater, and **support sustainable agriculture and landscaping**.

By integrating technology and environmental stewardship, UPM ensures responsible water use, enhances resource efficiency, and fosters awareness of clean water practices among students, staff, and the community.



SDG 7– Affordable and Clean Energy

SDG 7 aims to ensure universal access to affordable, reliable, and sustainable energy. It promotes renewable sources like solar, wind, and hydro power while improving energy efficiency. Transitioning to clean energy reduces carbon emissions, supports economic growth, and enhances quality of life, making sustainable energy essential for future progress.

EDUCATION PROGRAMME



INNOVATE FOR IMPACT: ENGINEERING FUTURES FOR A BETTER WORLD



ExplorENG 2025: True Engineer Through Exploration



Outstanding PhD SEARCA Scholar – Academic Achievement Award (Academic Excellence, Class of 2025)



QUANTUM DOT TECHNOLOGY



THE GREAT CONNECT FORUM: ENGINEERING IN THE NEXT 50 YEARS: INNOVATION, SUSTAINABILITY AND GLOBAL COLLABORATION



SDG 7– Affordable and Clean Energy

EDUCATION PROGRAMME

UPM PUTRA PERTANIAN UNTUK RAKYAT
FAKULTI KEJURUTERAAN
Fakulti Kejuruteraan
50th Anniversary

Seminar "Thermomechanical Energy Conversion and Storage for Cooling and Heating Decarbonization"

Professor Yulong Ding discusses innovative solutions for decarbonising cooling and heating, showcasing technologies like liquid air storage, thermal energy storage, and passive cooling.



SPEAKER:
PROF. DR. YULONG DING
UNIVERSITY OF BIRMINGHAM
(EXTERNAL ASSESSOR, KKA)

31st JULY 2025 | THURSDAY
10.30 AM – 12.00 PM

Bilik Sidang Jurutera,
Fakulti Kejuruteraan

Attendee:
Open to All Faculty Staff
Seat Limited to 50pax

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FAKULTI KEJURUTERAAN
Fakulti Kejuruteraan
50th Anniversary

WORKSHOP FIELD EMISSION SCANNING ELECTRON MICROSCOPY (FESEM, FESEM-EDX, FESEM-Raman)

22 JULY 2025 TUESDAY | DEWAN SEMINAR KEJURUTERAAN, FACULTY OF ENGINEERING, UPM. 08:00 AM- 05:00 PM

VIEW THE VENUE LOCATION



TRAINER 1
Mr. Muhammad Hafiz Nor Saidi
Novatq Scientific, Sdn. Bhd.

TRAINER 2
Mr. Norisham Abdul Wahab
Material Characterization Laboratory, UPM.

LIMITED SEAT REGISTER NOW!

REGISTER BEFORE 16 JULY 2025, 03:00 PM

REGISTRATION FEE RM100.00
INDUSTRY / PUBLIC OR PRIVATE UNIVERSITY / EXTERNAL AGENCY

- ✓ E-certificate available
- ✓ Breakfast, lunch & tea provided
- ✓ 3 Lucky Draw Vouchers for FESEM Equipment Usage at MCL

Organizer: **Material Characterization Laboratory (MCL)** 03-9769 1595
Co-organizer: **NOVATQ SCIENTIFIC**

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UPM PUTRA PERTANIAN UNTUK RAKYAT
FAKULTI KEJURUTERAAN
Fakulti Kejuruteraan
50th Anniversary

Special Seminar: Recent Advances on Sound and Vibration Research

Organized by the Mechanical & Manufacturing Engineering Department, UPM



Professor LI CHENG (成利)
Chair Professor, Department of Mechanical Engineering
Associate Dean (Research) of Faculty of Engineering
The Hong Kong Polytechnic University

13 Nov 2025 Dewan Seminar
10 AM- 12.30 PM Faculty of Engineering, UPM

Pre-registration:
[QR Code]

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SDG 7– Affordable and Clean Energy

ACHIEVEMENT



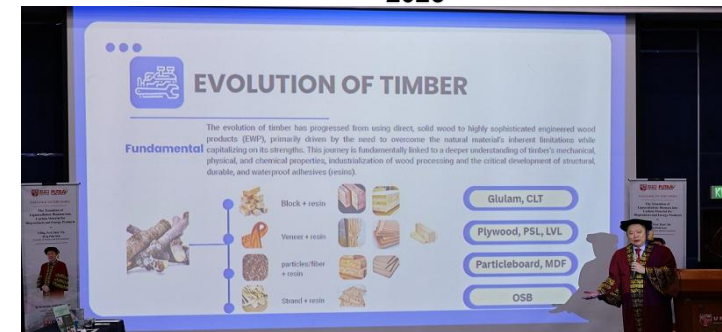
UPM WINS AT ASEAN ENERGY AWARDS STAGE 2025 - ADVANCING RENEWABLE ENERGY AND SUSTAINABILITY THROUGH SURIA 16: A MEGASCALE ROOFTOP SOLAR PV PROJECT



CHAMPION IN TOWARDS INTEGRATED BROADBAND PHOTONIC SYSTEMS: CONCEPTUALIZING A HANDHELD REAL-TIME SPECTROSCOPY INSTRUMENT"



UPM AND ATSC SEAL STRATEGIC COOPERATION, BOOSTING NATIONAL AEROSPACE TECHNOLOGY AT LIMA 2025



LIGNOCELLULOSIC BIOMASS (LCB), A HIGH-CARBON NATURAL WOOD-BASED MATERIAL THAT HAS THE POTENTIAL TO BE AN ALTERNATIVE ENERGY SOURCE

SDG 8– Decent Work and Economic Growth

Universiti Putra Malaysia supports **SDG 8: Decent Work and Economic Growth** through initiatives that empower individuals and communities to generate sustainable income

INCOME GENERATION



NATIONAL AGRICULTURAL COMMUNITY CONFERENCE (PKPK) 2025

Programs such as the **National Agricultural Community Conference (PKPK) 2025**, the **Hope Agropreneur Program**, and **IPR-INTAN@UPM** provide training, mentorship, and knowledge transfer in agriculture, entrepreneurship, and innovation.

These initiatives equip participants with practical skills, modern farming techniques, and business acumen, enabling them to develop profitable enterprises and enhance their livelihoods. By fostering an environment for entrepreneurship and economic participation, UPM encourages self-reliance, job creation, and inclusive economic growth.



HOPE AGROPRENEUR PROGRAM

The programs also emphasize responsible and sustainable practices, ensuring that economic activities contribute positively to local communities and the environment. Through these efforts, UPM strengthens workforce capacity, promotes equitable opportunities, and supports resilient, sustainable economic development in line with the objectives of SDG 8.

MANFAAT DAN ELAUN

- RM500/bulan bagi 6 bulan pertama
- Pendapatan minimum RM2,000/bulan daripada hasil jualan selepas tempoh latihan

MODUL

- Tanaman dalam rumah hijau berteknologi tinggi: Tempoh 12 bulan
- Ternakan ikan tilapia: Tempoh 18 bulan

SYARAT PENYERTAAN

- Terbuka kepada graduan UPM dan orang awam (B40 dan asnaf)
- Berumur 18 – 45 tahun
- Komitmen sepenuh masa
- Calon terpilih akan dipanggil untuk temuduga

Daftar Sekarang

(IPR-INTAN@UPM)

Pertanyaan sila hubungi:
 Pengarah
 Pusat Pertanian Putra
 Universiti Putra Malaysia
 Telefon : 03-97697301
 E-mail : dir.ppp@upm.edu.my / szaharah@upm.edu.my



SDG 9– Industry, Innovation and Infrastructure

Universiti Putra Malaysia supports **SDG 9: Industry, Innovation and Infrastructure** through education-driven initiatives across all levels.

EDUCATION PROGRAMME



ENGINEERING INNOVATION & EXHIBITION (EIE2025)
2 JULY 2025 | 9.00 A.M.
FACULTY OF ENGINEERING, UPM

Since 2014, this program has been a crucial part of our faculty's efforts to foster impactful and comprehensive collaboration opportunities among researchers, faculty members, and industry players. This year, our program theme is **"Resilient Engineering Product"** which aims to promote the development of sustainable technology and research.

Through our program, we hope to highlight the latest technology created by our researchers and provide an opportunity for them to compete for the results of their respective research products. Additionally, we aim to create a platform for international innovation competition, which includes the **IENA International Trade Fair, Ideas, Inventions, and New Products**.

RSVP HERE

If you have further inquiries about this event, please contact:

- eng.tdpi@upm.edu.my
- 03-9769 6252 / 6492

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MySTEM UPM @THAILAND

MSB Mediterranean School of Business **UPM Innovation Challenges**

Bridging the gap between Research & Practice

| | | | | |
|--|--|---|--|---|
| 13 MAY From 9 ^{am} to 12 ^{pm} | 14 MAY From 9 ^{am} to 12 ^{pm} | 15 MAY From 9 ^{am} to 12 ^{pm} | 15 MAY From 2 ^{pm} to 3 ^{pm} | 17 MAY From 9 ^{am} to 12 ^{pm} |
| Entrepreneurship | Accounting Podcast | Consultancy | AI Generated Case Studies | Sustainability Research |
| Designing innovative BMC posters and prototyping for successful businesses | Exploring accounting concepts through an engaging podcast. | Developing industry case studies in Africa | Developing industry case studies in Africa | Writing research papers to promote sustainability |
| MSB Cafeteria | MSB Cafeteria | A - 101 | A - 101 | A - 101 |

Universiti Putra Malaysia supports **SDG 9: Industry, Innovation and Infrastructure** through integrated education initiatives, including **innovation-driven academic programmes, robotics development, and industry collaboration**. Students engage in **research, competitions, and real-world projects** such as smart systems and automation, supported by labs and maker spaces.

UPM also organises seminars, exhibitions, and innovation showcases to promote knowledge sharing and industry networking. Additionally, STEM outreach programmes, robotics workshops, and science exhibitions for primary and secondary students foster early interest in technology, strengthening innovation capacity and preparing future-ready talents for industrial advancement.

UPM PUTRA **FACULTY PENDIDIKAN PENDIDIKAN** **50**
 50th Anniversary

I-GREDUC 25
 INTERNATIONAL GRADUATE RESEARCH IN EDUCATION SEMINAR

**Reimagining Education for Sustainable Futures:
 Empowering Research and Innovation for Transformative Learning Ecosystems**

SUB - THEME

- Curriculum and Pedagogy
- Educational Leadership, Policy and Management
- Psychology, Counselling, and Human Development
- Technology, Innovation and Digital Learning
- TVET, Agriculture, and Vocational Futures
- Community Engagement and Lifelong Learning
- Health, Sports and Physical Well-being
- Ethnic, Values, and Global Citizenship
- Equity, Inclusion and Education for Marginalized Groups
- Human Resource Development and Extension Education

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SDG 9– Industry, Innovation and Infrastructure

INNOVATION & ACHIEVEMENT



MAVERICK04 FROM UNIVERSITI PUTRA MALAYSIA (UPM) HAS BEEN CROWNED CHAMPION OF THE NATIONAL SPACE IMAGING PAYLOAD COMPETITION MISSION I

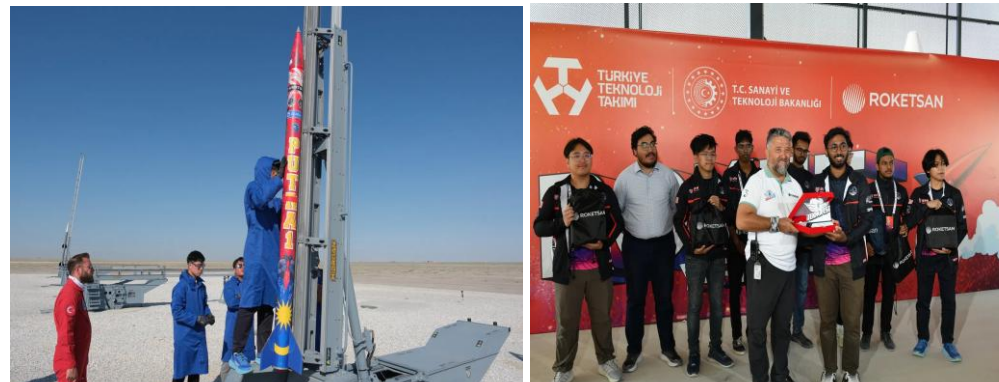


UPM AND MOTONATION STRENGTHEN STRATEGIC AUTOMOTIVE COLLABORATION AT MIAPEX 2025.

Universiti Putra Malaysia actively supports **SDG 9: Industry, Innovation and Infrastructure** through impactful innovation and industry-driven initiatives. Achievements such as winning the National Space Imaging Payload Competition highlight advanced research capabilities. Strategic collaborations like with Motonation at MIAPEX 2025 strengthen automotive innovation, while projects such as the FMA20 PG76 road pavement showcase engineering solutions for infrastructure development..



FMA20 PG76 ROAD PAVEMENT PROJECT, AN INNOVATION DEVELOPED BY THE FACULTY OF ENGINEERING.



AERO-ROCKETRY UPM - TEKNOFEST 2025 ROCKET COMPETITION

Additionally, student participation in programmes like the Aero-Rocketry UPM at TEKNOFEST 2025 fosters technological skills, creativity, and real-world application, reinforcing UPM's role in advancing innovation and industrial development

SDG 9– Industry, Innovation and Infrastructure

INNOVATION & ACHIEVEMENT



UPM PUTRA FAKULTI KEJURUTERAAN

Congratulations

2025 - IEM AVIATION SAFETY COMPETITION
 "Engineering Safer Skies: Inspiring a Culture of Aviation Safety"

Award presented by the Chief Minister of Selangor on 9th October 2025 at the Selangor Aerospace Summit

AWARD CEREMONY
 2025 IEM AVIATION SAFETY COMPETITION
 9th October 2025
 Selangor Aerospace Summit 2025
 Kuala Lumpur Convention Centre

Nurul Fatini binti Rosli and Janani a/p Loganathan
 Fourth-Year Undergraduate Students

The Department of Aerospace Engineering, Universiti Putra Malaysia, proudly congratulates Nurul Fatini binti Rosli and Janani a/p Loganathan for emerging as Top 10 Finalists in the IEM 2025 Aviation Safety Competition. Their poster, "Microhazards in Aviation," reflected outstanding creativity and commitment to promoting safety awareness in the aviation industry.

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UPM PUTRA FAKULTI KEJURUTERAAN

CONGRATULATIONS TO THE GRAND FINALE CHAMPION

NATIONAL SPACE IMAGING PAYLOAD COMPETITION MISSION II
 SECOND CONSECUTIVE YEAR OF EXCELLENCE IN INNOVATION AND SPACE TECHNOLOGY
 29 OCTOBER 2025 | MALAYSIAN SPACE AGENCY (MUSA) | BANTING, SELANGOR

CHAMPION
 Awarded by
CYBERNET MALAYSIA
 Ansys AUTHORIZED CHANNEL PARTNER

Selamat Menyany
MUSA
 AGENTS AMUKASA MALAYSIA

MEMBERS: THIRD-YEAR UNDERGRADUATE STUDENTS:
 1. MUHAMMAD ADIL DANIAL BIN MOHD ARAFAT
 2. LUQMAN ADAM BIN SAMSURI
 3. NUR KHALILAH FIRZANA BINTI KHAIRUDDIN
 SUPERVISOR: DR. HIDAYATULLAH BIN MOHAMMAD ALI

ORGANIZERS, COLLABORATORS, SPONSORS, AND SUPPORTERS:
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UPM PUTRA FAKULTI KEJURUTERAAN

Tahniah

atas kejayaan meraih anugerah di
International Exhibition of Ideas, Inventions, and New Products (IENA) 2025
 pada 1 - 3 November 2025
 di Exhibition Center Nuremberg, Hall 10, Jerman

Dr. Mohd Na'im Abdullah
 Pingat Emas bagi
 CorroVision: AI Powered Binary Classifier for Corrosion Detection

Dr. Nur Izzah Nabilah
 Pingat Emas bagi
 KarbóVolt: Sustainable Biomass Based Supercapacitor

Prof. Madya Ir. Dr. Noor Azline Mohd Nasir
 Pingat Gangsa bagi
 Concrete Eco-Patch: Zero-Cement Repair for a Greener Future

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SDG 9 – Reduced Inequalities

Universiti Putra Malaysia supports **SDG 10: Reduced Inequalities** by promoting inclusive access to education, research opportunities, and community programmes.

FACILITIES



To strengthen this effort, UPM established the Disability Services and Support Unit (OKU Unit) under the Student Wellbeing Section, Student Affairs Division (BHEP). This unit acts as a central body for coordinating welfare assistance, academic support, and accessibility improvements, ensuring that students with special needs receive equal access to education and campus life.

UPM continuously upgrades its infrastructure to support inclusivity, with ramps, elevators, and accessible restrooms installed across main pathways, academic buildings, and public areas. Currently, 17 faculties and 10 residential colleges are equipped with disability-friendly facilities, reflecting UPM's proactive approach in building a barrier-free campus.

The OKU Unit also plays an important role in advocacy and awareness, guiding staff and students on accessibility and inclusion practices. Through these initiatives, UPM continues to foster a supportive, equitable, and inclusive learning environment, ensuring that individuals with disabilities can participate fully and meaningfully in education, research, and community engagement—aligning strongly with the principles of SDG 10.

SDG 9 – Reduced Inequalities

PROGRAMMES



Putra Bakti Cakna SindromDown 2025

The **Putra Bakti Cakna SindromDown 2025** initiative empowers individuals with Down syndrome by fostering social inclusion, skills development, and community participation.

Additionally, **Education Talks** organized by UPM raise awareness on diversity, inclusivity, and equal opportunities, encouraging understanding and empathy among students and staff. Collectively, these initiatives reduce social and educational inequalities, enhance accessibility, and create an inclusive campus environment where everyone can thrive, reflecting UPM's commitment t



APPLICATION FOR FOUNDATION/BACHELOR PROGRAMME (INCLUSIVE CHANNEL/ DIRECT INTAKE)



Universiti Putra Malaysia supports **SDG 10: Reduced Inequalities** through inclusive education and community engagement initiatives that promote equal opportunities for all.

Programs such as the **Application for Foundation/Bachelor Programme via Inclusive Channels or Direct Intake** provide alternative pathways for students from diverse backgrounds, ensuring equitable access to higher education.



SDG 11 – Sustainable Cities and Communities

Universiti Putra Malaysia supports SDG 11: Sustainable Cities and Communities through various programmes and activities in 2025 focusing on sustainable campus development, research, and community engagement.

SUSTAINABLE PRACTICES – SUSTAINABLE COMMUNITING



Universiti Putra Malaysia supports SDG 11: Sustainable Cities and Communities through sustainable and accessible campus transportation initiatives.

Students have **access to safe pedestrian pathways for walking** between residential colleges and academic buildings, promoting low-carbon mobility and healthy lifestyles. **Campus shuttle buses** provide convenient transport within UPM and to nearby areas, reducing reliance on private vehicles and lowering traffic congestion and emissions.



For connectivity beyond the campus, the availability of **MRT access** links students and staff to public facilities and urban amenities, encouraging the use of mass transit. Together, these measures enhance mobility, inclusivity, and sustainability on campus while supporting broader SDG 11 goals of safe, resilient, and environmentally friendly urban communities.

SDG 11 – Sustainable Cities and Communities

FACILITIES



Universiti Putra Malaysia supports **SDG 11: Sustainable Cities and Communities** through diverse campus facilities and living environments. Green and recreational spaces like Bukit Ekspo, Taman Konservatori, and Ladang Bersepadu promote environmental sustainability and community well-being

Residential facilities for students and staff ensure inclusive, safe, and supportive living spaces. Knowledge hubs such as Perpustakaan Sultan Abdul Samad (PSAAS) and Galeri Serdang enhance access to education and cultural resources.

UPM also preserves heritage and promotes awareness through museums including Muzium Warisan Melayu and science-based museums. Facilities like L'Apprenti, Pusat Ekuin Putra, and Ladang Rusa further support sustainable practices, education, and community engagement, contributing to a resilient and inclusive campus ecosystem.





SDG 11 – Sustainable Cities and Communities

PROGRAMMES



UPM AND MOTONATION STRENGTHEN AUTOMOTIVE STRATEGIC COOPERATION AT MIAPEX 2025



UPM PARTICIPATES IN ASEAN UNIVERSITIES EXHIBITION AND FORUM 2025 (AEF2025)



REPRESENTING MALAYSIA AT EURIE 2025 IN ISTANBUL



UPM STUDENTS EMPOWER VOLUNTEERS AND CULTURE IN SOUTH KOREA

Universiti Putra Malaysia supports **SDG 11: Sustainable Cities and Communities** through **cultural exchange, regional collaboration, and community engagement initiatives.**

Events such as the **ASEAN Cultural Nexus Gala Dinner** and participation in the **ASEAN Universities Exhibition and Forum 2025 (AEF2025)** strengthen regional partnerships, cultural understanding, and inclusive communities.

Additionally, **UPM students' involvement in volunteer and cultural programmes** in South Korea promotes social cohesion, intercultural awareness, and global citizenship.

These initiatives contribute to building inclusive, connected, and culturally resilient communities, in line with SDG 11's goal of fostering sustainable and harmonious societies.

SDG 12 – RESPONSIBLE CONSUMPTION AND PRODUCTION

Universiti Putra Malaysia supports **SDG 12: Responsible Consumption and Production** by promoting sustainable practices across campus and community initiatives.

SUSTAINABLE PRODUCTION



UPM PUTRA PUTRA Mart
PERTANIAN UNTUK RAKYAT UNIVERSITI PUTRA MALAYSIA

Jualan Produk Putramart

Sempena Majlis Konvokesyen
Universiti Putra Malaysia Ke-49, Sidang 2

29 November–5 Disember 2025
8.00 Pagi–3.00 Petang

ANAK POKOK

- Ajalib (M)
- Belimbing buluh (S)
- Cempedak CH28 (M)
- Cornia (S)
- Ciku (S)
- Durian Belanda (S)
- Durian D24 (M)
- Durian D99 (S)
- Durian D99 (M)
- Durian D168 (S)
- Durian D168 (M)
- Durian D176 (S)
- Durian D186 (S)
- Durian D197 (S)
- Durian D197 (M)
- Durian D197 (L)
- Durian D200 (S)
- Durian D200 (M)
- Gajus (M)
- Jambu Air (Delima Putra) (S)
- Jambu Batu (Biji) (S)
- Jambu Batu Seedless (S)
- Jambu Meneer (S)
- Kedondong (S)
- Kulmi (M)
- Lemon (S)
- Limau Bali (S)
- Limau Bali Bunkist (S)
- Limau Kasturi (S)
- Limau Madu (S)
- Limau Nipis Seedless (S)
- Mangga Apple (M)
- Mangga Chokanan (M)
- Mangga Nam Dok Mal (M)
- Mangga (S)
- Merdeka (S/M)
- Mangka J33 (S)
- Mangka J33 (M)
- Nambutan P191 (M)
- Salam
- Sari Kayu
- Tenggak Burung
- Botak Saka
- Rosella
- Markisa (S)

BARANG SEGAR

- Ayam
- Daging Lembu
- Daging Rusa
- Ikan Keli
- Telur Itik
- Salted Egg Yolk
- Sawi Bunga
- Sawi Hijau
- Telur Puyuh
- Cendawan Tiram
- Tempayak
- Nenas Md2
- Rambutan Merah

JUMPA ANDA DI SANAL!

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Berilmu Berbakti

upm.edu.my

Putra Mart
UNIVERSITI PUTRA MALAYSIA

Dapatkan produk segar dan terbaik dari ladang!

9.00 a.m - 4.30 p.m | Isnin - Jumaat |
PutraMart Pusat Pertanian Putra Universiti Putra Malaysia

www.pac.upm.edu.my



Universiti Putra Malaysia promotes sustainability through **Putra Mart** by offering products that support environmentally responsible consumption. Examples of **sustainable food** include organic vegetables, fresh fruits from campus farms, free-range eggs, and locally sourced products with minimal packaging.

In addition, UPM supports **bio compost** initiatives by converting food waste and agricultural residues into organic compost used for campus landscaping and farming. This reduces landfill waste, improves soil health, and supports circular agriculture practices, reinforcing a sustainable campus ecosystem aligned with environmental goals.

SDG 12 – RESPONSIBLE CONSUMPTION AND PRODUCTION

COMMUNITY

UPM PUTRA PUSAT PERTANIAN PUTRA
 PERTANIAN UNTUK RAKYAT فوسٲ فرٲانين فوٲرا

Jom... POYO Pick On Your Own

Pengalaman memetik manggis
 Bayar untuk bawa pulang (RMS/kg)
 Digalakkan membawa plastik beg sendiri
 Pengalaman melihat dan menuai hasil sayur-sayuran di dalam rumah hijau
 Melawat kolam ikan

Tiket masuk
 RM10.00 (dewasa)
 RM5.00 (kanak-kanak <12 tahun)

Jualan produk lain:

LOKASI
 Tarikh : 12 & 13 Julai 2025
 Masa : 9 pagi - 4 petang
 Tempat :
 Ladang Bersepadu Puchong
 Pusat Pertanian Putra
 Universiti Putra Malaysia (UPM)

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MERCHONG PUMPKIN PROJECT

Universiti Putra Malaysia leads the **Projek Labu Merchong**, a strategic initiative in collaboration with the Merchong farming community to empower local farmers through agricultural innovation. The project enhances knowledge, skills, and productivity by introducing pumpkin cultivation as a high-value secondary income source, supported by modern farming technologies and sustainable practices.

In addition, **Agro Teen'25 initiatives at Ladang 10 UPM** showcase smart agriculture, precision farming, and sustainable crop management.

UPM also supports communities through training programmes, research transfer, and advisory services, alongside initiatives such as urban farming, composting, and sustainable food production.

These efforts strengthen food security, improve livelihoods, and promote environmentally responsible agriculture, contributing to resilient and sustainable communities.

UPM PUTRA UCTC
 INISIATIF PEMINDAHAN ILMU
PROGRAM CUTI SEKOLAH REMAJA
AGROTEEN'25
 INSPIRASI LESTARI GENERASI BAHARU

18 September 2025 (Khamis)
 8.30 pagi - 4.30 petang
 Pusat Transformasi Komuniti Universiti (UCTC) UPM
 RM125.00 sahaja (kos termasuk makan minum, bahan pengajaran, lawatan dan sijil penyertaan)

TERBUKA KEPADA REMAJA
12 - 17 TAHUN

DAFTAR
 SCAN ME

DIY LIP Balm Kelulut
DIY Sun Print
DIY 3D Planting
PENEROKAAN ALAM KELULUT

Anjuran:
 Pusat Transformasi Komuniti
 Universiti (UCTC) UPM
 Hubungi Unnesetia:
 En Syafiq - 019 9266447
 En Haziq - 019 9266528

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SDG 12 – RESPONSIBLE CONSUMPTION AND PRODUCTION

INNOVATION



CHEWABLE MORINGA FRUITY TABLETS



PutraPalate



COMMERCIALIZATION OF PUTRA 1 AND PUTRA 2 RICE SEEDS



COCOSPLASH UPM WON THE COMPETITIVE PRODUCT AWARD AT FEAST25

UPM also drives **SDG 12: Responsible Consumption and Production** through innovative products such as **Chewable Moringa Fruity Tablets, PutraPalate, and CocoSplash**, recognised at **FEAST25**, alongside the commercialization of **Putra 1 and Putra 2 rice seeds**.

These initiatives emphasize sustainable sourcing, waste reduction, and value-added production.

Additional programmes including **urban farming, food waste composting, and community training** further strengthen sustainable practices, enhance food security, and encourage environmentally responsible consumption within campus and surrounding communities.



SDG 13 – CLIMATE ACTION

Universiti Putra Malaysia supports **SDG 13: Climate Action** by implementing initiatives that mitigate climate change and promote environmental sustainability.

INNOVATION

INFO PUTRA SISTEM SOLAR TERBESAR IPTA DI UPM!

| | | | |
|---|--|---|---|
| Hospital Sultan Abdul Aziz Shah (8,015.70 kWp) | Fakulti Kejuruteraan (1,344.75 kWp) | Fakulti Pertanian & ITAFOS (1,311.75 kWp) | Fakulti Perubatan Veterinar (1,108.80 kWp) |
| Fakulti Reka Bentuk & Senibina (597.30 kWp) | Fakulti Sains (528 kWp) | Pusat Kebudayaan Kesenian Sultan Salahuddin Abdul Aziz Shah (477.40 kWp) | Masjid UPM (415.80 kWp) |
| Canselori Putra & PPPA (354.20 kWp) | Floating Solar & Walkway (305.20 kWp) | Sekolah Perniagaan dan Ekonomi (271.70 kWp) | Loji Pepandu, FSTM (107.80 kWp) |

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ADVANCING TROPICAL WOOD, FIBRE, AND SUSTAINABLE LANDSCAPE FOR PLANETARY HEALTH”

Universiti Putra Malaysia supports **SDG 13: Climate Action** through initiatives such as “*Advancing Tropical Wood, Fibre, and Sustainable Landscape for Planetary Health,*” which promotes sustainable resource management, carbon reduction, and climate-resilient landscapes. UPM also implements renewable energy solutions like **Solar Suria 16**, harnessing solar power to reduce greenhouse gas emissions and dependence on fossil fuels.

These efforts are complemented by research, education, and campus practices focused on climate mitigation and adaptation. Additional initiatives such as green campus development, tree planting, and environmental awareness programmes further strengthen UPM’s commitment to addressing climate change and promoting a low-carbon, sustainable future.

SDG 13 – CLIMATE ACTION

PROGRAMMES



UPM STUDENTS BRING AGRICULTURAL EXPERTISE TO THE SEPANGGAR COMMUNITY



Agro@UPM Knowledge Journey Program



PLANT FACTORY UPM-MTDC SIGNATURE PROGRAMME

Universiti Putra Malaysia supports **SDG 13: Climate Action** through programmes that integrate agriculture, innovation, and sustainability. Initiatives like **Program Kembara Ilmu Agro@UPM** bring UPM students' agricultural expertise to local communities, promoting climate-smart farming and sustainable resource use. The **Plant Factory UPM-MTDC Signature Programme** leverages controlled-environment agriculture to optimize resource efficiency, reduce carbon footprint, and enhance food security.

Together, these efforts foster climate-resilient practices, encourage responsible land and energy use, and strengthen community awareness of sustainable agriculture, contributing to broader climate action goals.



SDG 14 – LIFE BELOW WATER

Universiti Putra Malaysia supports **SDG 14: Life Below Water** by conserving aquatic ecosystems, promoting biodiversity, reducing pollution, and engaging communities in sustainable marine and freshwater management initiatives.

CONSERVATION



CATCH AND RELEASE @BUKIT EKSPLO UPM



BATU LAUT BEACH CLEANING CAMPAIGN



I-AQUAS AND PETRONAS DAGANGAN BERHAD IMPLEMENT COLLABORATIVE CRAB RELEASE PROGRAM



KEDAH RIVER CONSERVATION PROGRAM



One Health - antimikrob (AMR)



Universiti Putra Malaysia supports **SDG 14: Life Below Water** through initiatives that conserve and protect aquatic ecosystems. Programmes such as **Catch and Release at Bukit Ekspo**, **Batu Laut Beach Cleaning**, and the **Kedah River Conservation** promote biodiversity and reduce pollution.

Collaborative efforts like the **I-AQUAS** and **Petronas Dagangan Berhad Crab Release Programme** help restore aquatic populations. UPM also addresses aquatic health through research on antimicrobial resistance under the **One Health** approach.

These activities foster environmental stewardship, engage communities, and ensure sustainable management of marine and freshwater resources, contributing to resilient and thriving aquatic ecosystems.

SDG 14 – LIFE BELOW WATER

EDUCATION

MALAYSIA MADANI

“Penyelidik **UPM** cipta inovasi lindungi kelestarian air bersih”

Sumber: Kementerian Pendidikan Tinggi

RANCAKKAN MADANI

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC) TECHNOLOGY



SEAWEED CULTIVATION

Universiti Putra Malaysia supports **SDG 14: Life Below Water** through scientific research and sustainable aquatic practices. Technologies such as **High Performance Liquid Chromatography (HPLC)** are used to monitor water quality and detect pollutants, while **seaweed cultivation** acts as a natural biofilter, improving water health and supporting marine biodiversity.

UPM also implements initiatives like coastal and river clean-up programmes, species restoration projects, catch-and-release activities, and collaborative aquaculture conservation programmes.

These efforts combine research, innovation, and community engagement to reduce aquatic pollution, enhance ecosystem resilience, and promote sustainable management of marine and freshwater resources, contributing to thriving and healthy aquatic environments.



SISFEC @UPM



SDG 15 – LIFE ON LAND

Universiti Putra Malaysia supports **SDG 15: Life on Land** by promoting biodiversity conservation, sustainable land and forest management, ecosystem restoration, and environmental stewardship through research, education, and community engagement, ensuring resilient and sustainably managed terrestrial ecosystems.

CONSERVATION



CHEERFUL OR CICADA BU



THE LEADING FOREST THERAPY HUB IN
SOUTHEAST ASIA @UPMS



SISFEC

Universiti Putra Malaysia supports **SDG 15: Life on Land** through initiatives that conserve biodiversity and promote sustainable ecosystem management. Projects such as **CHEERFUL or Cicada BU** and the **Leading Forest Therapy Hub in Southeast Asia at UPM** focus on forest conservation, ecological education, and public engagement with natural environments.

UPM also implements the **SISFEC** programme to enhance wildlife monitoring, habitat restoration, and sustainable forest management. Complementary activities include tree planting, wildlife conservation awareness campaigns, and research on native flora and fauna. These initiatives foster environmental stewardship, strengthen ecosystem resilience, and ensure the protection and sustainable use of terrestrial resources in line with SDG 15 goals.



SDG 15 – LIFE ON LAND

PROGRAMMES



UPM EXPERTISE CHANNEL SUPPORT MADANI ATM ECONOMIC PROGRAM - LIVESTOCK LIVESTOCK AND HERB GARDEN (SPICE GARDEN)



'ECOLEGACY TREES FOR TOMORROW' PROGRAM



FARM 15 UPM SUPPLY FRESH EGGS

Universiti Putra Malaysia supports **SDG 15: Life on Land** through initiatives that promote sustainable land use, biodiversity conservation, and ecosystem stewardship. UPM applies its expertise to community programmes such as the **MADANI ATM Economic Program**, focusing on livestock development and sustainable herb cultivation, enhancing local livelihoods while preserving natural resources. Environmental sustainability is further supported through initiatives like the **EcoLegacy Trees for Tomorrow** programme, which promotes reforestation and habitat restoration.

Campus agricultural projects, including **Farm 15**, supply fresh eggs produced under sustainable practices, demonstrating responsible resource management. UPM also encourages public engagement and environmental awareness through activities such as the **Forest Therapy Course at Jeram Linang Eco-Forest Park**, fostering appreciation for forests and promoting ecological conservation. Collectively, these efforts strengthen ecosystem resilience, support biodiversity, and advance sustainable management of land resources



in line with SDG 16.

SDG 16 – PEACE, JUSTICE AND STRONG INSTITUTIONS

Universiti Putra Malaysia supports **SDG 16: Peace, Justice and Strong Institutions** by promoting good governance, ethical practices, transparency, and inclusive policies, fostering a safe, fair, and accountable campus community.

GOVERNMENT



GLOBAL COLLABORATION IN POST-QUANTUM CYBER SECURITY



ROAD MAINTENANCE CONVENTION (MRMC)



Universiti Putra Malaysia supports **SDG 16: Peace, Justice and Strong Institutions** by fostering good governance, ethical practices, and institutional integrity across its operations and collaborations. UPM engages in **global initiatives in post-quantum cybersecurity**, enhancing secure and resilient digital infrastructures.



UPM RAISES MALAY KNOWLEDGE TO THE WORLD STAGE



INDUSTRY AND COMMUNITY APPRECIATION COUNCIL (ICAN 2025)

Programmes such as the **Road Maintenance Convention (MRMC)** and the **Industry and Community Appreciation Council (ICAN 2025)** promote transparency, accountability, and collaboration between institutions, industries, and communities. UPM also advances cultural and intellectual knowledge, raising Malay scholarship to the global stage, which strengthens inclusive governance and cross-cultural understanding. Through these efforts, UPM contributes to building safe, just, and accountable institutions while empowering communities and stakeholders to participate in decision-making processes, reflecting the core objectives of SDG 16.

SDG 16 – PEACE, JUSTICE AND STRONG INSTITUTIONS

EDUCATION



UPM DEVELOPS SMART DRONE TECHNOLOGY BASED ON 5G NETWORK - AI NATION.



AGRICONNECT THAI MOBILITY PROGRAM: BRIDGING KNOWLEDGE, CULTURE & INNOVATION



STUDENT MOBILITY PROGRAM WITH TOKYO UNIVERSITY OF AGRICULTURE (TOKYO NODAI)



SETAREX ENCORE PROGRAM: LIONEDU@UPM

Universiti Putra Malaysia supports **SDG 16: Peace, Justice and Strong Institutions** by promoting transparent, accountable, and inclusive practices through technological innovation, education, and international collaboration. The development of **smart drone technology based on 5G networks** under the AI Nation initiative enhances secure data management and responsible technology use, strengthening institutional capabilities.

Programs such as the **Agriconnect Thai Mobility Program** and the **Student Mobility Program with Tokyo University of Agriculture (Tokyo NODAI)** foster cross-cultural understanding, knowledge exchange, and cooperative governance, building trust and collaboration across borders.

Initiatives like the **SETAREX Encore Program: LionEdu@UPM** empower students with ethical leadership and institutional awareness. Collectively, these activities enhance UPM's capacity for good governance, community engagement, and the cultivation of responsible, globally minded leaders, contributing to safe, just, and effective institutions in line with SDG 16.



SDG 17 – PARTNERSHIP FOR THE GOALS

Universiti Putra Malaysia supports **SDG 17: Partnerships for the Goals** by fostering local and international collaborations to strengthen research, education, and sustainable development.

LOCAL COLLABORATION



UPM SUBMITS HALAL STRATEGIC RESOLUTION AT MALAYSIA INTERNATIONAL HALAL RESEARCH & EDUCATION CONFERENCE 2025 (MIHREC 2025)



UPM RESEARCHERS LEAD THE PRODUCTION OF THE PERAK STATE PROSPEROUS EDUCATION STRATEGIC PLAN 2030



UPM, SMACH AGROPARK STRENGTHEN ACADEMIC COOPERATION AND AGRICULTURAL TECHNOLOGY

Universiti Putra Malaysia supports **SDG 17: Partnerships for the Goals** through strategic local collaborations that strengthen education, research, and sustainable development in Malaysia.

UPM actively engages in policy and knowledge initiatives, exemplified by submitting the **Halal Strategic Resolution** at the Malaysia International Halal Research & Education Conference 2025 (MIHREC 2025), which promotes industry standards, innovation, and community well-being. Researchers at UPM also lead the development of the **Perak State Prosperous Education Strategic Plan 2030**, contributing expertise to regional educational planning and capacity building.

Additionally, partnerships with **SMACH Agropak** enhance academic cooperation and advance agricultural technology, fostering sustainable farming practices and knowledge transfer

These initiatives mobilize local expertise, resources, and networks, reinforcing institutional effectiveness and collaborative action to achieve national sustainable development goals in line with SDG 17.



SDG 17 – PARTNERSHIP FOR THE GOALS

INTERNATIONAL COLLABORATION



UPM STRENGTHENS RUSSIA'S INTERNATIONAL LINKS: KAZAN FEDERAL UNIVERSITY (KFU), NATIONAL RESEARCH NUCLEAR UNIVERSITY (MEPHI) AND BELGOROD STATE TECHNOLOGICAL UNIVERSITY (BSTU)



UPM IN COLLABORATION WITH ABLE PERFECT SDN. BHD. (APSB) - GREEN DIESEL TECHNOLOGY AND SUSTAINABLE AVIATION FUEL



STRATEGIC MOU WITH TSINGHUA SHENZHEN INTERNATIONAL GRADUATE SCHOOL (SIGS),

Universiti Putra Malaysia supports **SDG 17: Partnerships for the Goals** through international collaborations that strengthen research, innovation, and knowledge exchange.

UPM has established strategic links with global institutions such as **Kazan Federal University (KFU)**, **National Research Nuclear University (MEPHI)**, and **Belgorod State Technological University (BSTU)** in Russia, enhancing cross-border academic cooperation and capacity building. Partnerships with industry, exemplified by collaboration with **Able Perfect Sdn. Bhd. (APSB)** on green diesel technology and sustainable aviation fuel, integrate innovation and sustainability in applied research.

UPM's strategic MOU with **Tsinghua Shenzhen International Graduate School (SIGS)** further fosters advanced research, student and staff mobility, and joint programmes. Collectively, these international initiatives mobilize expertise, resources, and networks to address global challenges, strengthen institutional capacity, and contribute to achieving the Sustainable Development Goals.

THANK YOU