

[Vol. 271 Nov 2025: UMPSA Autonomous Ecosystem now on international stage](#)



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UNIVERSITI MALAYSIA PAHANG  
AL-SULTAN ABDULLAH

# PEKAN REVIEW

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Technology for Society



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## General

### UMPSA Autonomous Ecosystem now on international

3 December 2025

DUBAI, 19 November 2025 – Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) recently launched its Autonomous System Ecosystem held at the UMPSA-PACDB Pavilion in conjunction with the International Smart Mobility Summit.

This launch opens wider opportunities for international collaboration in smart mobility.

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## Academic

### UMPSA strengthens ties with BJTU set to offer Dual Master's and Doctor of Philosophy Programmes

25 November 2025

BEIJING, 12 November 2025 – Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) has announced the launch of Dual Master's and Doctor of Philosophy Programmes following the proposal of the President of Beijing Jiaotong University (BJTU), Yu Zujun, as a result of the success of the UMPSA-BJTU Dual Degree Programme, which has produced pioneering graduates for this programme.

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## General

UMPSA receives RM600,000 contribution from Tabung Haji for underpriv

18 November 2025

PEKAN, 3 November 2025 – A delegation from Lembaga Tabung Haji (TH), led by the E  
Khairuddin Ahmad, paid a courtesy visit to the Vice-Chancellor of Universiti Malaysia Pal  
Professor Dr. Yatimah Alias, today.

Also present were the Pahang State Director of TH, Tuan Haji Rosdi Dollah; Head of T  
Norazila Mohamad; and Head of Administration/TH Pahang, Mohamad

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## [Research](#)

### [JGI journal UMPSA earns recognition Crème Award](#)

25 November 2025

PUTRAJAYA, 7 November 2025 – Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) has made a significant mark in the world of academic publishing when its journal, the Journal of Governance and Integrity (JGI), has been named as the recipients of the CRÈME Journal Award for the MyCite Indexed Journal category (Arts, Humanities and Social Sciences) in conjunction with the Malaysia Scopus Research Star Award (MRSA).

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## International

### UMPSA establishes Venture Studio with industry strategic partners, expands Mobility Technology and Future Sustainable Living

3 December 2025

DUBAI, 19 November 2025 – Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) e collaboration by signing a memorandum of understanding (MoU) with two industries re intelligence (AI) and mobility technology networks in conjunction with the Dubai Airshow 2025 at Dubai World Central (DWC).

strategic partners, expands collaboration in Aerospace, Mobility Technology and

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## [Academic](#)

[UMPSA celebrates 15 years of collaboration with HKA, strengthening](#)

18 November 2025

KUANTAN, 7 November 2025 – Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) celebrated its 15th anniversary of strategic collaboration with Karlsruhe University of Applied Sciences (HKA), Germany, at The Zenith Hotel, Kuantan.



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## [Research](#)

[UMPSA receives MOSTI funding amounting RM6,965,500 for E](#)

3 December 2025

CYBERJAYA, 24 November 2025 – Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) has received funding from the Ministry of Science, Technology and Innovation (MOSTI) through the EYE-TREE project under the Strategic Research Fund for the project 'Development of Integrated Technology for the Recovery of Rare Earth Elements from Ionic Adsorption Clay (IAC) (EYE-TR

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## General

### Outcome of UMPSA expertise, national contingent wins gold and Best of N

16 December 2025

TAIPEI, 30 November 2025 – Outcomes from intensive guidance and support by the D  
Modelling Innovation and Knowledge Hub Centre (BIM Centre), Universiti Malaysia Pah  
Associate Professor Dr Ahmad Tarmizi Haron, who is also the National Chief Expert, toge  
the BIM Centre, Ts.



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## General

UMPSA ranked 538th best globally in QSWUR Sustainability 2026 rating, record  
Agenda

25 November 2025

PEKAN, 19 November 2025 – Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) ranked 538th best globally in QS World University Rankings Sustainability 2026, compared to 699th place last year, based on the announcement released by QS World University Rankings Sustainability 2026 on 18 November 2025.

This achievement places UMPSA at 133rd position in Asia, 11th best in Malaysia, and 1st best in the Malaysian Technical University Network (MTUN), recognising the university's commitment to the

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## General

[Professor Emeritus Dato' Seri Ir Dr Zaini Ujang shares sustainability practice](#)

3 December 2025

GAMBANG, 27 November 2025 – Academic figure and recipient of the National Engineering Award, Professor Emeritus Dato' Seri Ir Dr Zaini Ujang, met the Universiti Malaysia Pahang Al-Sultan AbdulAziz (UMPA) staff during the 100 Days World Lecture Tour Sharing Session held in conjunction with the UMPA Sustainability Empowerment Workshop.



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## General

### 120 UMPSA, TMB, SWCorp and Alam Flora volunteers collect 190.2 kg waste Tanjung Gosong

3 December 2025

PEKAN, 14 November 2025 – A total of 120 volunteers from Universiti Malaysia Pahang, in collaboration with Tanah Makmur Berhad, SWCorp, and Alam Flora, successfully carried out the Tanjung Gosong programme.

According to the Director of the UMPSA Sustainability Development Centre (SDC), Dr Suhaiza, this was the third in the series held in conjunction with Antarctica Day.

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## General

70 UMPSA volunteers plant 1,000 mangrove trees and release 700 baby turtles  
Day 2025

2 December 2025

CERATING, 15 November 2025 – A total of 70 volunteers comprising staff and students from UMPSA planted 1,000 mangrove trees in the Mangrove Planting Tree programme in conjunction with Antarctica Day 2025. The ceremony was officiated by Cerating today.

The programme was officiated by the Assistant Vice-Chancellor (Development), Professor Dr. [Name]

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## [Research](#)

[UMPSA researchers produce Malaysia's first Paperbot through air humidity](#)

3 December 2025

PEKAN, 25 November 2025 – Researchers of Universiti Malaysia Pahang Al-Sultan A  
producing Malaysia's first 'Paperbot' through air humidity, which now has the potential to  
powering future robots.



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## Academic

[UMPSA receives visit from Yunnan Technician College China, explores opportu](#)

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25 November 2025

PEKAN, 18 November 2025 – Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) received a delegation from Yunnan Technician College (Yunan Industry & Trade Vocational College), China, for strategic collaboration encompassing academics, research, TVET education, and industry linkages.

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## General

Major Dr. Haji Imaduddin recognised internationally in efforts to

25 November 2025

YOGYAKARTA, 13 November 2025 – Senior Lecturer, Faculty of Industrial Management (Sultan Abdullah (UMPSA), Major Dr. Haji Imaduddin Abidin, received international recognition Certificate of Gratitude by the President of the International TRIZ Association (MATRIZ), D with the TRIZFest 2025 International Conference held at the Universitas Islam Indonesia

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## [Academic](#)

[FIMiEx2025 strengthens national innovation ecosystem, cross-generational pla](#)

16 December 2025

KUANTAN, 30 November 2025 – Faculty of Industrial Management Innovation Exhibition 2025 (FIMiEx2025) organised by the Faculty of Industrial Management (FPI), Universiti Malaysia Pahang Al-Sultan Abdullah (UMPA) has successfully concluded its first day of participation as a high-impact innovation platform for the fourth time since its organisation which has attracted a wide range of participation across generations and backgrounds, which took place at BC

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## Academic

### Non-credit Academic Mobility to TJU, China: Chemical Engineering tow

11 February 2026

TIANJIN, 30 November 2025 – A total of nine students from Universiti Malaysia Pahang participated in a non-credit mobility programme to Tianjin University (TJU), China, under Academic Collaboration and Mobility, UMPSA, from 24 to 30 November.

The mobility programme titled 'Tianjin University 2025 International Winter Camp on Chemical Engineering and Technology: Shaping the Future' was organised by the School of Chemical Engineering and Technology.

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## [Academic](#)

### [Non-credit Academic Mobility to SIT Tokyo empowers engineering, te](#)

11 February 2026

TOKYO, 27 November 2025 – A total of 12 students from the Faculty of Chemical and (FTKKP), Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA), participated in a non-credit academic mobility program at the Shibaura Institute of Technology (SIT), Tokyo, Japan, under the collaboration of the Centre for Academic Mobility, UMPSA, from 23 to 27 November 2025.

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## Academic

### Academic mobility to Kobe University strengthens technology networks and students

11 February 2026

KOBE, 27 November 2025 – A total of ten students from four faculties at Universiti Malaya (UMPSA) participated in the Non-Credit Academic Mobility Programme at Kobe University from 27 November 2025 to 30 November 2025, organised by the Students' Representative of Resident

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## [Experts](#)

### [Nanotechnology: The Next Big Leap Beyond Miniaturization](#)

29 December 2025

For decades, the electronics industry has advanced by making devices smaller and more powerful. From smartphones and wearable gadgets, this progress has relied on shrinking transistors, the building blocks of modern electronics, to process signals, while increasing processing speed. Traditional transistors work by controlling the flow of electrons through a channel. As device size approaches just a few nanometers, quantum effects such as electron leakage and tunneling become significant, making traditional transistors less efficient.

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