

# RESOURCES

Official newsletter of the Faculty of Chemical and Process Engineering Technology (FTKKP)



UNIVERSITI MALAYSIA PAHANG  
AL-SULTAN ABDULLAH

Fakulti Teknologi Kejuruteraan  
Kimia dan Proses  
Faculty of Chemical and  
Process Engineering Technology

## DEAN'S SPEECH



PROF. TS. DR. SUMAIYA  
BINTI ZAINAL ABIDIN@MURAD

In the name of Allah, the Most Gracious, the Most Merciful. Blessings and peace be upon Prophet Muhammad (SAW). FTKKP takes great pride in celebrating the achievements of our faculty, staff, and students over the past six months. Through groundbreaking research, innovative projects, and international collaborations, FTKKP continues to bring recognition and honor to the university. Strategic partnerships with global universities and industry leaders have further enriched student learning experiences and opened new opportunities for impactful research and development. These accomplishments reflect the dedication, resilience, and innovative spirit of the FTKKP community. Looking ahead, FTKKP remains committed to inspiring excellence, driving innovation, and shaping a brighter future for society.

## FTKKP HONoured WITH THREE FACULTY EXCELLENCE AWARDS AT UMPSA STRATEGIC PLAN WORKSHOP



The Faculty of Chemical and Process Engineering Technology (FTKKP) was proudly announced as the recipient of three prestigious faculty excellence awards for the year 2024:

- 1) Best Faculty 2024 – Research Grant (Total Funding)
- 2) Best Faculty 2024 – Industry Grant
- 3) Best Faculty 2024 – Commercialisation

Congratulations and heartfelt thanks to all researchers, academic staff, industry partners, and everyone who contributed to this remarkable achievement. This recognition reflects FTKKP's continued commitment to research excellence, impactful industry collaboration, and innovation-driven outcomes.



Faculty of Chemical and Process Engineering  
Technology, UMPSA



ftkkpumpsa



ftkkp@umpsa.edu.my

## FTKKP RESEARCHERS SECURE INTERNATIONAL GRANTS WITH INDONESIA

**Tahniah**

**PROFESOR MADYA DR. WAN MOHD HAFIZUDDIN BIN WAN YUSSOF**

SYNTHESIS OF ACTIVATED CARBON FROM COFFEE WASTE FOR THE IRON REMOVAL FROM LEACHATE WASTEWATER AND ITS POTENTIAL AS SLOW RELEASE FERTILIZER

di atas kejayaan memperoleh  
GERAN ANTARABANGSA

yang bernilai  
RM 15,000.00

daripada  
UNIVERSITAS MUHAMMADIYAH SUMATERA UTARA



Research and Innovation Department  
Jabatan Penyelidikan dan Inovasi

TEKNOLOGI UNTUK MASYARAKAT

STARS

WORLD UNIVERSITY RANKINGS

THE

Green Metric

UIN

**Tahniah**

**PROFESOR MADYA TS. DR. SUNARTI BINTI ABD RAHMAN**

SUSTAINABLE GAS PRODUCTION: INNOVATIONS IN BIOGAS PRODUCTION AND BIOMETHANE PURIFICATION PROCESSES

di atas kejayaan memperoleh  
GERAN ANTARABANGSA

yang bernilai  
RM 15,000.00

daripada  
UNIVERSITAS SUMATERA UTARA



Research and Innovation Department  
Jabatan Penyelidikan dan Inovasi

TEKNOLOGI UNTUK MASYARAKAT

STARS

WORLD UNIVERSITY RANKINGS

THE

Green Metric

UIN

**Tahniah**

**PROFESOR MADYA DR. NURUL AINI BINTI MOHAMED RAZALI**

CATALYTIC PYROLYSIS OF RICE HUSKS INTO GREEN FUEL USING NI/AL<sub>2</sub>O<sub>3</sub> CATALYST

di atas kejayaan memperoleh  
GERAN ANTARABANGSA

yang bernilai  
RM 15,000.00

daripada  
UNIVERSITAS AHMAD DAHLAN



Research and Innovation Department  
Jabatan Penyelidikan dan Inovasi

TEKNOLOGI UNTUK MASYARAKAT

STARS

WORLD UNIVERSITY RANKINGS

THE

Green Metric

UIN

**Tahniah**

**PROFESOR MADYA TS. DR. RUZINAH BINTI ISHA**

SULFONATED CARBON CATALYSTS FOR BIODIESEL PRODUCTION BY FATTY ACID ESTERIFICATION

di atas kejayaan memperoleh  
GERAN ANTARABANGSA

yang bernilai  
RM 10,000.00

daripada  
STATE UNIVERSITY OF JAKARTA



Research and Innovation Department  
Jabatan Penyelidikan dan Inovasi

TEKNOLOGI UNTUK MASYARAKAT

STARS

WORLD UNIVERSITY RANKINGS

THE

Green Metric

UIN

**Tahniah**

**DR. NOR HANUNI BINTI RAMLI @ SAID**

INVESTIGATION OF PHYSICOCHEMICAL PROPERTIES IN CHITOSAN ALDEVERA-BASED FORMULATED FRUIT COATING FOR POSTHARVEST TREATMENT

di atas kejayaan memperoleh  
GERAN ANTARABANGSA

yang bernilai  
RM 15,000.00

daripada  
UNIVERSITAS AHMAD DAHLAN



Research and Innovation Department  
Jabatan Penyelidikan dan Inovasi

TEKNOLOGI UNTUK MASYARAKAT

STARS

WORLD UNIVERSITY RANKINGS

THE

Green Metric

UIN



## FTKKP RESEARCHERS SECURE INDUSTRY GRANTS

### Tahniah

**PROF MADYA IR. TS. DR. SITI ZUBAIDAH BINTI SULAIMAN**

PROCESS SIMULATION OF THORIUM AND REE PURIFICATION BY SOLVENT EXTRACTION

di atas kejayaan memperoleh  
GERAN INDUSTRI

yang bernilai  
RM 630,660.00

daripada  
LYNAS MALAYSIA SDN BHD



### Tahniah

**PROFESOR IR. DR CHIN SIM YEE**

KINETIC MODELING STUDY ON POLYOL ESTER-ESTERIFICATION OF GLYCEROL WITH SEBACIC ACID AND CAPRYLIC ACID CATALYZED BY TIN (II) OXIDE

di atas kejayaan memperoleh  
GERAN INDUSTRI

yang bernilai  
RM 582,979.00

daripada  
PETRONAS RESEARCH SDN. BHD.



### Tahniah

**PROFESOR MADYA TS. DR. SITI KHOLIJAH BINTI ABDUL MUDALIP**

PURIFICATION OF 300g POLYOL ESTER (PE100) PRODUCT THROUGH ADSORPTION AND HEAT TREATMENT PROCESS: A PILOT SCALE STUDY

di atas kejayaan memperoleh  
GERAN INDUSTRI

yang bernilai  
RM 406,791.00

daripada  
PETRONAS RESEARCH SDN. BHD.



### Tahniah

**TS. DR. MOHD AIZUDIN BIN ABD AZIZ**

DEVELOPMENT OF NUTRITIONALLY OPTIMIZED FISH PELLETS

di atas kejayaan memperoleh  
GERAN INDUSTRI

yang bernilai  
RM 22,500.00

daripada  
MENTARI WADI BUDI RESOURCES



### Tahniah

**PROFESOR MADYA TS. DR. HERMA DINA BINTI SETIABUDI**

CATALYST FILTRATION AND UNLOADING STUDY

di atas kejayaan memperoleh  
GERAN INDUSTRI

yang bernilai  
RM 21,032.60

daripada  
FPG OLEOCHEMICALS SDN. BHD.



### Tahniah

**IR. DR. MOHD SABRI BIN MAHMUD**

ALKYLENE GLYCOL SYNTHESIS USING GLYCEROL FROM PALM OIL MILL EFFLUENT RESIDUE VIA CATALYTIC TRANSESTERIFICATION AND HYDROGENOLYSIS REACTIONS

di atas kejayaan memperoleh  
GERAN INDUSTRI

yang bernilai  
RM 20,000.00

daripada  
GEBER TECHNOLOGY SDN BHD



## UMPSA RESEARCHER, DR. AGI, PETROLEUM ENGINEERING EXPERT, ASPIRES FOR NOBEL PRIZE

11 February 2025 - Dr. Agi Augustine Aja, a senior lecturer at the Faculty of Chemical and Process Engineering Technology (FTKKP), Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA), has shared his dream of one day winning the prestigious Nobel Prize. Recognized among the world's top 2% scientists by Elsevier and Stanford University, Dr. Agi is confident that his ambition will come true. Dr. Agi is currently working on a research collaboration with PETRONAS, focusing on optimizing hydrogen production from non-recoverable oil wells — a project that has the potential to impact the future of clean energy. His dedication and vision not only reflect his personal drive but also align with UMPSA's commitment to excellence in research, innovation, and global impact.



## FTKKP INTRODUCES NEW MICRO-CREDENTIALS COURSE ON INTRODUCTION TO PETROLEUM ENGINEERING & FIELD DEVELOPMENT PROJECT

**Tahniah!**  
**PEMBANGUN MICRO-CREDENTIALS 2024**

**FAKULTI TEKNOLOGI KEJURUTERAAN KIMIA DAN PROSES**  
**TAJUK: INTRODUCTION TO PETROLEUM ENGINEERING & FIELD DEVELOPMENT PROJECT**

**TS. DR. MOHD ZULKIFLI BIN MOHAMAD NOOR**  
**CHM. TS. DR. SITI QURRATU' AINI BINTI MAHAT**  
**TS. DR. NORASYIKIN BTE ISMAIL**  
**PROFESOR MADYA TS. DR. NORIDA BINTI RIDZUAN**

Pusat Sumber Pengajaran & e-Pembelajaran (PSPe)  
TEKNOLOGI UNTUK MASYARAKAT

Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) proudly announces the successful development of a new Micro-Credentials course titled “Introduction to Petroleum Engineering & Field Development Project” for 2024. This course was developed by a team of dedicated academics from the Faculty of Chemical & Process Engineering Technology (FTKKP), showcasing UMPSA’s commitment to providing flexible, industry-relevant learning opportunities. The initiative reflects UMPSA’s continuous efforts in expanding access to lifelong learning through micro-credentials, equipping learners with specialized knowledge and practical insights in petroleum engineering and field development.



## MALAYSIA TECHNOLOGY EXPO: SUSTAINABLE ENERGY AND GREEN TECHNOLOGY INTERNATIONAL INNOVATION AWARDS (MTE:SEGT) 2024 - FTTKP RESEARCHERS WIN GOLD MEDAL AND SPECIAL AWARD



Congratulations to Assoc. Prof. Ts. Dr. Ruzinah Isha and her team from the Faculty of Chemical and Process Engineering Technology (FTKKP), UMPSA, for winning the Gold Medal and the Best International Invention and Innovation Special Award at the Malaysia Technology Expo: Sustainable Energy and Green Technology International Innovation Awards (MTE: SEGT) 2024. Their project, “Municipal Waste Transforming to Gasoline in a Mobile Pyrolyser,” was recognized for its innovative contribution to sustainable energy. The team consisted of Assoc. Prof. Ts. Dr. Wan Mohd Hafizuddin Wan Yussof, Puan Hafizah Ramli (FTKKP), and Ir. Ts. Aideelnorfa Fahmee Mohamad (PPPH). Another UMPSA project, “SeaPo - Seaweed-Based Feed for Sustainable Poultry” led by Chm. Dr. Nazikussabah Binti Zaharudin (FIST), also earned a Silver Medal and a Special Award.

## FTKKP RESEARCHERS WIN AWARD AT ITEX 2025

Congratulations to Associate Professor Ts. Dr. Saidatul Shima Binti Jamari and her team from the Faculty of Chemical and Process Engineering Technology (FTKKP) for winning a silver medal with their research project, Eco-Savvy Portable Used Oil Regeneration System (Eco-Port), at the International Invention, Innovation, Technology Competition and Exhibition (ITEX) 2025, held at the Kuala Lumpur Convention Centre (KLCC) from 29 to 31 May 2025.



## UMPSA HONOURS STAFF WITH OVER TWO DECADES OF SERVICE AT MAJLIS SANJUNGAN BUDI 2025



15 April 2025 - Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) celebrated the dedication and contributions of its staff who have served the university for more than 20 years during the Majlis Sanjungan Budi 2025, held in conjunction with the Vice-Chancellor's Address at Dewan Serbaguna, UMPSA Pekan. The annual ceremony is a token of appreciation to staff members who have devoted two decades of service, reflecting UMPSA's commitment to upholding noble values, honoring the contributions of its

workforce, and fostering a strong sense of unity within the campus community. UMPSA extends heartfelt gratitude to all honorees for their unwavering commitment and invaluable service throughout their tenure at the university.

## FTKKP INTRODUCES NEW MICRO-CREDENTIALS COURSE ON NUMERICAL DIFFERENTIATION & INTEGRATION

Congratulations to Ts. Dr. Rozaimi bin Abu Samah for successfully developing a new Micro-Credentials course at Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) entitled Numerical Differentiation & Integration for the year 2024. This achievement reflects UMPSA's continuous efforts in expanding flexible learning opportunities through micro-credential programs, providing learners with industry-relevant skills and knowledge in specialized fields. The Faculty of Chemical and Process Engineering Technology (FTKKP) extends its heartfelt appreciation and congratulations to Ts. Dr. Rozaimi for his dedication and contribution towards academic innovation and lifelong learning.





## CONGRATULATIONS TO FTKKP RESEARCHER ON SECURING COMMUNITY EMPOWERMENT GRANT 2025

Heartiest congratulations to Dr. Noormazlinah binti Ahmad, researcher from the Faculty of Chemical & Process Engineering Technology (FTKKP), for successfully securing the Community Empowerment Grant (Komuniti@UniMADANI) 2025 amounting to RM70,000. This remarkable achievement not only reflects her dedication and commitment to impactful research but also serves as an inspiration for fellow researchers to strive for greater excellence. May this success pave the way for more outstanding accomplishments and drive continuous innovation within the research community.



## FTKKP SECURES COMMUNITY EMPOWERMENT GRANT



Heartiest congratulations to Ts. Mohd Najib bin Razali for successfully securing a Community Empowerment Grant from an external agency. This achievement not only reflects his commitment to impactful research but also supports initiatives that benefit target communities through social innovation, technology transfer, and knowledge sharing. Such efforts further enhance UMPSA's reputation as an active higher education institution dedicated to community development and sustainable innovation.

## FTKKP RESEARCHERS WIN AWARDS AT CITREX 2025



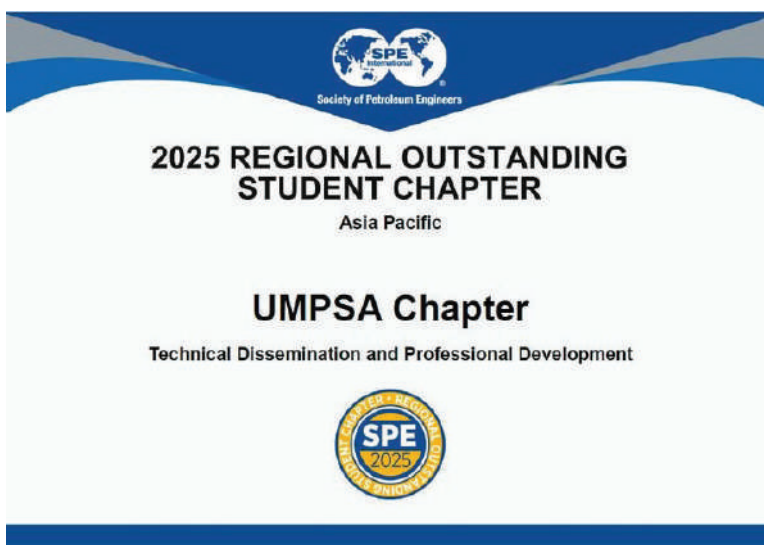


## FTKKP STUDENT SITI NORHUDA SELECTED AS HOTLINK CAMPUS AMBASSADOR 2025

The Faculty of Chemical and Process Engineering Technology (FTKKP) proudly congratulates Siti Norhuda binti Wahid, student of Bachelor of Manufacturing Engineering Technology (Pharmaceutical) on being selected as HOTLINK CAMPUS AMBASSADOR 2025. Wishing her continued success and may this achievement inspire others to excel in both academics and leadership.



## SPE UMPSA STUDENT CHAPTER WINS 2025 REGIONAL OUTSTANDING STUDENT CHAPTER AWARD



Congratulations to the Society of Petroleum Engineers Universiti Malaysia Pahang Al-Sultan Abdullah Student Chapter (SPE UMPSA SC) for being awarded the 2025 Regional Outstanding Student Chapter Award in the category of Technical Dissemination and Professional Development for the Asia Pacific region. This prestigious recognition reflects the chapter's unwavering commitment to advancing petroleum engineering through knowledge-sharing activities and continuous professional development initiatives. The achievement serves as a strong motivation for SPE UMPSA SC to continue driving excellence, fostering innovation, and contributing significantly to the petroleum engineering field at both regional and international levels.





**ALUMNI TALK**

Organized by: In collaboration with:

From Intern to Pros:  
**Alumni Experiences**

**Speakers:**

**Alif Hakeem**  
Well Service Operation Engineer  
Reservoir Link Sdn Bhd

**Noor Amiza Zainal**  
HRMS Engineer  
HRMS Power Control

**Amirah Ibrahim**  
Service Technical Coordinator  
TechnipFMC

**Firdaus Wahab**  
Junior Field Engineer  
Dimension Bid Sdn Bhd

**Moderator:**

**Najwa Syuhada**  
SPE UMPSA  
HOD Event Protocol

**21 April 2025**  
**MONDAY**  
**8.30 to 11.30AM**

**AUDITORIUM**  
**UMPSA GAMBANG**  
**LIBRARY**

Link for hybrid:  
[tinyurl.com/53z8r48z](https://tinyurl.com/53z8r48z)

Join us for an exciting event with  
complimentary food and  
E-certificate for all participants!

**FORUM SEMPENA CHEMWEEK**

**MEETING 2025**

PATHWAYS BEYOND GRADUATION:  
INDUSTRY, POSTGRADUATE AND  
ENTREPRENEURSHIP

**WAN MUHAMMAD ADIB BIN WAN ABD RAZAK**

- Company: PGOE Edible Oils Sdn Bhd
- Career: Production Engineer (Waste water treatment plant & scheduled waste)

**AMIR SYARIFUDIN BIN BAHARUDDIN**

- Fast Track Degree to PhD study in Chemical Engineering

**LEE KWAI LOONG**

- EXCOVATOR driver to Insurance DIRECTOR

**FRIDAY, 23 MAY 2025**  
BLOK W-DKU-S-01  
8 - 10 PM

All participants will be given a e-certificate.

**Industrial Talk 2025**

**ROTATING VS STATIC EQUIPMENT IN OIL & GAS**

FIELD INSIGHTS AND FUTURE CAREER OPPORTUNITIES

**ENCIK HAZMIR BIN HAMZAH**

**UBF MAINTENANCE SDN BHD**

**INSTRUCTOR**

**TS. DR. AZIZUL HELMI**

**DATE: 13 JUNE 2025 (FRIDAY)**  
**TIME: 10:00 AM - 12:00 PM**  
**VENUE: AUDITORIUM LIBRARY GAMBANG, UMPSA**

Compulsory to all BVF1243 Equipment Basic Care

**TRADITIONAL MEDICINE AND COSMETIC PRODUCT REGISTRATION IN MALAYSIA 2025**

An online workshop

**Miss Nurul Anisla bt Shahril**  
Principal Assistant Director, Natural Products Unit, Complementary & Alternative Medicine, NPRA

**Mdm. Nur Diyana Che Ismail**  
Senior Principal Assistant Director, Cosmetic Section, Centre of Product & Cosmetic Evaluation, NPRA

**Dr. Najilah binti Yusuf**  
Faculty of Chemical and Process Engineering Technology, UMPSA

**PROGRAM TENTATIVE**

0800-0830	Participant Registration
0830-0845	Opening Remarks by the Head of PharmaTech Research Cluster
0845-1000	Session 1 - Requirements and Procedures for Traditional Product Registration at NPRA
1000-1045	Q&A Session
1045-1100	Break
1100-1230	Session 2 - Requirements and Procedures for Cosmetic Product Notification at NPRA
1230-1300	Q&A Session and Closing

**26 JULY 2025 8 AM - 1 PM**

**REGISTER NOW**

**REGISTRATION LINK:**  
<https://forms.gle/2YBN1515tYllng9K2>

**REGISTRATION DEADLINE: 16 JULY 2025**

- RM 50 per pax
- Online transfer to BEHIDJARI UNP
- Account No: 5562 3520 4266 MAYDAIR
- Reference: PMPRMA

## UMPSA PROMOTES SUSTAINABLE AGRICULTURE THROUGH KETUM AYAM PROJECT

18 January 2025 - A total of 60 local residents, including 20 registered farmers, attended the launching ceremony of the Ketum Ayam Project organized by Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) at Kampung Ulu Kekabu, Setiu. Through the implementation of this project, UMPSA continues to play a vital role in strengthening the sustainable agriculture sector. According to Dr. Noormazlinah Ahmad, Managing Director of Pretech Global Sdn. Bhd., the project not only improves the quality of local animal feed but also helps farmers reduce their reliance on chemical fertilizers and imported feed.

She added that this pilot project also highlights UMPSA's dedication to being a catalyst for rural community development. Pretech Global Sdn. Bhd., a UMPSA startup company, is spearheading the initiative. The program was officiated by the State Assemblyman (ADUN) for Permaisuri, Terengganu, The Honorable Haji Mohd Yusop Majid. In his opening remarks, he praised UMPSA's effort as a model of effective collaboration between universities, the private sector, and local communities in addressing social issues such as poverty and food security.

All these initiatives are made possible through strategic collaboration between PJIM, UMPSA, the Farmers' Organization Authority, and local company De Nung Herb Sdn. Bhd. The aim is to improve the standard of living of the local community, promote sustainable agricultural practices, and contribute to the achievement of the Sustainable Development Goals (SDG).





## FTKKP WELCOMES VISIT FROM MALAYSIAN COCOA BOARD



20 March 2025 – The Faculty of Chemical & Process Engineering Technology (FTKKP) received a courtesy visit from the Malaysian Cocoa Board (Lembaga Koko Malaysia, LKM). The visit served as a platform to strengthen collaboration opportunities in research, innovation, and knowledge sharing, particularly in areas related to chemical and process engineering technology with potential applications in the cocoa industry. FTKKP looks forward to future partnerships with LKM that will not only enhance academic–industry linkages but also contribute to advancing Malaysia’s cocoa sector through technology and innovation.

## UMPSA VICE-CHANCELLOR VISITS GMP LABORATORY FACILITY AND ANIMAL FEED MANUFACTURING PLANT OF MNR MULTI-TECH SDN. BHD.

7 April 2025 - The Vice-Chancellor of Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA), Prof. Dr. Yatimah binti Alias, paid an official visit to the UMPSA GMP Laboratory Facility and the Animal Feed Manufacturing Plant of MNR Multi-tech Sdn. Bhd., a technology-based company established from UMPSA research. Also present during the visit were the Deputy Vice-Chancellor (Research and Innovation), Prof. Ts. Dr. Aida binti Mustapha, Director of the Advanced TVET Centre, Associate Professor Ts. Dr. Mohd Shahrir bin Mohd Sani, and



representatives from the Centre for Property Development and Management. MNR Multitech Sdn. Bhd. is led by Ts. Mohd Najib bin Razali, a lecturer from the Faculty of Chemical and Process Engineering Technology (FTKKP), who is also the company’s founder. The visit aimed to review UMPSA’s technology commercialization activities and to identify strategic needs for strengthening the university’s innovation and commercialization ecosystem. This initiative underscores UMPSA’s strong commitment to supporting high-impact innovation initiatives and reinforces its dedication to empowering researchers and technology entrepreneurs in realizing the commercial potential of university research outcomes.

## UMPSA ORGANISES CQI & WBL COURSE REVIEW WORKSHOP WITH INDUSTRY EXPERTS

9 April 2025 - Lecturers from the Bachelor of Technology in Oil and Gas Facility Maintenance program, Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA), participated in the Continuous Quality Improvement (CQI) & Work-Based Learning (WBL) Course Review Workshop held at Swiss-Belhotel, Kuantan. The workshop aimed to gather industry feedback on the effectiveness of the WBL program and to explore improvement suggestions to ensure alignment with real industry needs and expectations. Industry representatives who shared their insights and experiences included Mrs. Agustina

binti Razali (Workshop Coordinator, TTES Frontken Sdn. Bhd.) and Mr. Muhammad Muhsin bin Abdul Fatah (Assistant Manager, Operation Department, Crescent Engineering (M) Sdn. Bhd.) Their input plays a crucial role in strengthening the implementation of WBL and enhancing curriculum quality, ultimately producing graduates who are more competent and industry-ready.



## MNR MULTITECH SDN BHD: DRIVING INNOVATION, ELEVATING COMMERCIALISATION



22 May 2025 - UMPSA's Centre for Consultancy and Commercialisation recently held an engagement session with MNR Multitech Sdn Bhd, a technology company founded in 2018 by Ts. Mohd Najib Razali, lecturer at the Faculty of Chemical and Process Engineering Technology (FTKKP). Specialising in technology commercialisation and product development in chemical and process engineering, the company's key products include G-Treat (eco-friendly water treatment solution), Halal Food Grade Grease, and animal feed products. MNR Multitech has achieved notable recognition, including winning the Malaysian Commercialisation Year Award 2019 and forging strategic collaborations with leading companies, including Bursa Malaysia-listed firms. This initiative reflects UMPSA's continuous effort to empower technology-based companies and encourage active involvement of lecturers in technopreneurship.

treatment solution), Halal Food Grade Grease, and animal feed products. MNR Multitech has achieved notable recognition, including winning the Malaysian Commercialisation Year Award 2019 and forging strategic collaborations with leading companies, including Bursa Malaysia-listed firms. This initiative reflects UMPSA's continuous effort to empower technology-based companies and encourage active involvement of lecturers in technopreneurship.



## UMPSA EXPANDS STRATEGIC TIES WITH CHEMICAL INDUSTRY THROUGH ROUNDTABLE DISCUSSION

10 June 2025 - Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA), through its Department of Research and Innovation and the Faculty of Chemical and Process Engineering Technology (FTKKP), held the UMPSA–Chemical Industry Partnership Elevation for Research Innovation Roundtable Discussion (RTD) at AC Hotel Marriot Kuantan. The program brought together 40 participants, including UMPSA researchers and representatives from key industry players such as PETRONAS Technical Services, Nextgreen Global, Mole-



cor (SEA), Wilmar Kuantan Edible Oils, and others. Discussions focused on aligning industry challenges with UMPSA's research expertise, fostering opportunities for joint projects, consultancy, and Work-Based Learning (WBL) initiatives. The event concluded with remarks by Assistant Vice-Chancellor (Research & Innovation – Industry & Community), Professor ChM Dr. Mohd Hasbi Ab Rahim, who emphasized UMPSA's commitment to advancing technology and innovation in partnership with the chemical industry.

## FULL ACCREDITATION EVALUATION BY MBOT FOR UMPSA-UMS OFFSHORE PROGRAMS



9 January 2025 - The Malaysian Board of Technologists (MBOT) carried out a Full Accreditation Evaluation Visit at Universiti Malaysia Sabah (UMS) for two UMPSA offshore collaborative programs: Bachelor of Technology in Oil and Gas Facilities Maintenance (Honours) and Bachelor of Technology in Electrical System Maintenance (Honours). Led by Ts. Dr. Muhammad Farid bin Daud, the MBOT panel assessed the programs delivered at UMS learning centres, which follow UMPSA's main campus curriculum. The

UMPSA delegation was headed by Prof. Ts. Dr. Ruzaimi Mat Rejab, while UMS was represented by Prof. Dr. Shahril Yusof and senior faculty leaders. This evaluation is a significant step toward ensuring quality and recognition of the offshore programs in producing skilled technologists for the oil, gas, and electrical sectors.

## FINAL YEAR PROJECT POSTER PRESENTATION SEM I 2024/2025

15 January 2025 – Congratulations to 213 final-year students of FTKKP who successfully showcased their research and innovations at the Final Year Project Poster Presentation. The event featured participation from 85 lecturers and 12 industrial panelists, with students representing four undergraduate programmes: Chemical Engineering, Chemical Engineering Technology, Manufacturing Engineering Technology (Pharmaceutical), and Mechanical Engineering Technology (Petroleum). Industry experts



from leading companies such as Petronas, BASF Petronas, CJ Bio Malaysia, and TNB Research provided valuable feedback, ensuring high-quality evaluation. The event also highlighted further academic pathways through FTKKP's Master's programmes. The students' dedication and creativity reflect UMPSA's commitment to producing industry-ready graduates.



## MRSM ATM BERA STUDENTS VISIT FTKKP: EXPLORING STEM APPLICATIONS



20 February 2025 - The Faculty of Chemical & Process Engineering Technology (FTKKP), Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA), welcomed 60 Form 5 students and five accompanying teachers from MRSM ATM Bera for an educational visit organized by UMPSA's Centre for Industry and Community Network. During the visit, students engaged in various activities, including an academic briefing on FTKKP programmes, guided tours of research laboratories to witness real applications of chemical engineering technology and a hands-on

STEM activity, "Building and Testing Adsorption Column", conducted with FTKKP lecturers and technical staff. The visit provided valuable exposure to the fields of engineering and technology, inspiring students to pursue higher education in these disciplines. UMPSA extends its appreciation to FTKKP lecturers, technical staff, and administrators for their support in making the program a success.

## FTKKP STRENGTHENS TVET COLLABORATION THROUGH KNOWLEDGE SHARING WITH KOLEJ VOKASIONAL KUANTAN



24 March 2025 – The Faculty of Chemical and Process Engineering Technology (FTKKP) recently welcomed 20 students and four accompanying teachers from Kolej Vokasional (KV) Kuantan under its Corporate Social Responsibility (CSR) and Knowledge Sharing Program, KV@FTKKP. The half-day program featured a motivational talk on technopreneurship in the oil and gas industry by Ts. Mohd Najib Razali, a STEM activity on Dye Penetrant Testing by Ts. Dr. Azizul Helmi Sofian, and visits to FTKKP's laboratories. The initiative aimed to inspire vocational students, strengthen interest in technical fields, and support the government's TVET agenda. A SULAM project is planned for June 2025 as a follow-up to this collaboration.

## FTKKP CONDUCTS PRE-WORKSHOP ON CURRICULUM REVIEW FOR ALL PROGRAMS

30 April 2025 - The Faculty of Chemical and Process Engineering Technology (FTKKP) successfully conducted the Pre-Workshop on Curriculum Review for all its programs (BTK, BTO, BTF, BVF, BKC, SBKC, DRK). This initiative represents a proactive step towards ensuring compliance with the latest guidelines set by ETAC/EAC, strengthening the faculty's commitment to maintaining high academic standards and continuous program improvement. FTKKP extends its deepest appreciation to the Deputy Dean of Academic Affairs, all Program Heads, Subject Coordinators, and lecturers for their dedication and contributions in making this program a success.



## SUCCESSFUL FTKKP POSTGRADUATE RESEARCH COLLOQUIUM 2025 - SERIES I

23 April 2025 - The FTKKP Postgraduate Research Colloquium 2025 (Series I) was successfully held at Mega View Hotel, Kuantan. A total of 14 dedicated postgraduate students presented their research work, each presentation thoughtfully evaluated by four expert academic panels. This colloquium serves as a key checkpoint for Master's and PhD students as they prepare to defend their theses. We were also honoured by the presence of Assoc. Prof. Ts. Dr. Rohayu binti Jusoh, Deputy Dean of Research & Postgraduate Studies at FTKKP, who showed full support and



encouragement to our aspiring researchers. Congratulations to all presenters for their remarkable efforts and valuable contributions to research. Appreciation goes to the FTKKP Postgraduate Research Unit for organizing the event.



## FTKKP PUBLIC LECTURE HIGHLIGHTS MOLECULARLY IMPRINTED POLYMER (MIP) AND COMPUTATIONAL FLUID DYNAMICS (CFD) RESEARCH



8 May 2025 - Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) hosted a Public Lecture featuring Prof. Ts. Dr. Che Ku Mohammad Faizal Che Ku Yahya on Molecularly Imprinted Polymer (MIP) and Prof. Ts. Dr. Jolius Gimbuton on Computational Fluid Dynamics (CFD). The lectures highlighted sustainable solutions for green chemistry, sensors, and industrial design optimization aligned with the 5th Industrial Revolution and SDGs. The event, attended by UMPSA Vice-Chancellor Prof. Dr. Yatimah Alias, drew over 300 participants, including students, academics, and industry representatives.

## CSR SULAM: FUTURE EARTH GENERATION & CLEAN WATER HEROES @ UMPSA GAMBANG



16 May 2025, Gambang – Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA), through the Service-Learning Malaysia – University for Society (SULAM) initiative in collaboration with the Bioprocess and Biosystems Engineering Cluster (BBEC), organized a CSR program themed “Future Earth Generation & Clean Water Heroes” at Astaka Hall, UMPSA Gambang Campus. The event brought together 193 students and 12 teachers from six schools in Pahang and Terengganu, aiming to instill early awareness on environmental conservation, clean water management, and sustainable technologies through interactive activities.

## FTKKP INTRODUCES DIGITAL DESIGN IN CHEMISTRY LEARNING FOR SMK BUKIT GOH STUDENTS



12 June 2025 - The Faculty of Chemical and Process Engineering Technology (FTKKP), UMPSA successfully organized a community service program titled Visual Chemistry: Enhancing Students' Understanding Through Canva-Based Learning Modules with Form 4 and 5 students of SMK Bukit Goh. A total of 35 students and two Chemistry teachers took part, guided by eight facilitators from FTKKP. The program, supported by UMPSA's Social Innovation and Community Knowledge Transfer Grant, introduced students to digital design using Canva to create engaging visual learning materials

for Chemistry. The initiative aligns with the Ministry of Education's goal of integrating digital technology into teaching and learning, while strengthening ties between UMPSA and the local community.

## UMPSA HOSTS FINAL YEAR PROJECT POSTER PRESENTATION FOR SEMESTER II 2024/2025



16 June 2025 | Gambang – The Final Year Project (FYP) Poster Presentation for Semester II 2024/2025 was successfully held at the Astaka, UMPSA Gambang. The event showcased innovative research and creative solutions from final-year students, highlighting their ability to apply theoretical knowledge to real-world challenges. Projects covered a wide range of topics across engineering and technology disciplines, reflecting the students' critical thinking, innovation, and research capabilities. Faculty members, evaluators, and fellow students attended the

session, offering constructive feedback while acknowledging the hard work and dedication of the participants. The presentation not only served as a platform for academic assessment but also as an opportunity for students to develop professional presentation skills and share their findings with the academic community. UMPSA congratulates all final-year students for their efforts and achievements, and looks forward to seeing their contributions in the professional and research arenas.



## INTERNATIONAL MOBILITY COLLABORATION: UAD-UII-FTK-KP-JHEPA UMPSA CSR AT SMART Kuantan

17 June 2025, Kuantan – Sekolah Menengah Abdul Rahman Talib (SMART) Kuantan hosted a Corporate Social Responsibility (CSR) program through a strategic collaboration between Universitas Ahmad Dahlan (UAD), Universitas Islam Indonesia (UII), the Faculty of Chemical and Process Engineering Technology (FTKKP), and the Student Affairs & Alumni Department (JHEPA), UMPSA. A total of 177 Form 4 students participated in activities



themed around innovation, sustainability, and community education. Highlights included aromatherapy candle-making from used cooking oil (UAD), eco-printing with natural leaves and a traditional Indonesian beverage demonstration, wedang jahe (UII). The three-day, two-night program (16–18 June 2025) also featured a welcome dinner with UMPSA top management, visits to key facilities such as MakersLab, EV Lab, and CARIFF, as well as participation in CITREX 2025 during UMPSA Open Day and National TVET Day. The initiative not only fostered educational and cultural exchange but also strengthened bilateral ties between Malaysia and Indonesia, underscoring UMPSA's role as a regional hub for knowledge and collaboration.

## FTKKP-UMPSA SULAM PROGRAM BRINGS INDUSTRY EXPERIENCE TO KOLEJ VOKASIONAL Kuantan



18 June 2025, Kuantan – Ten second-year students from the Oil and Gas Facilities Maintenance Technology Program, FTKKP, UMPSA, organized a Service-Learning Malaysia – University for Society (SULAM) program titled “Condition-Based Monitoring (CBM) for Beginners” at Kolej Vokasional (KV) Kuantan. The one-day program engaged 30 KV students from the Industrial Machining Technology Program, featuring hands-on shaft alignment exercises with industrial equipment. The initiative not only enhanced TVET-based learning but also strengthened university–community ties through practical knowledge sharing.

## INTERNATIONAL ONLINE TVET MOBILITY PROGRAM BYUAD-FT-KKP UMPSA SUCCESSFULLY HELD AT SMK TENGGU AFZAN

24 June 2025 – The International Online TVET Mobility Program, jointly organized by Universitas Ahmad Dahlan (UAD), Indonesia and the Faculty of Chemical and Process Engineering Technology (FTKKP), UMPSA, was successfully conducted with nearly 200 students from SMK Tengku Afzan, Kuantan joining via Google Meet. The program aimed to strengthen academic ties, promote international collaboration, and introduce TVET concepts



to secondary school students. It also provided exposure on occupational safety and sustainable development goals (SDGs) through lectures delivered by UAD experts. School principal Puan Hajah Rozita binti Ismail expressed her appreciation, while Ts. Dr. Azizul Helmi bin Sofian (UMPSA) and Prof. Dr. Ir. Siti Jamilatun (UAD) highlighted the importance of early academic networking and regional cooperation in TVET. Despite being conducted online, the program received positive feedback from students, teachers, and speakers, proving the effectiveness of virtual academic mobility in fostering awareness on sustainability and workplace safety.



## FTKKP ACADEMICS JOIN PSYCHOLOGICAL FIRST AID PROGRAM FOR ACADEMIC ADVISORS



5 March 2025 – Thirty academic staff from the Faculty of Chemical & Process Engineering Technology (FTKKP), participated in the “Psychological First Aid (PFA) for Academic Advisors” program organized by Pusat Sejahtera UMPSA at Dewan Tun Teja 2. The program aimed to provide exposure on the concept and application of PFA for academic advisors, enhance knowledge on how PFA can be applied to support students or individuals in crisis and raise awareness on the importance of basic crisis intervention skills. The sessions were facilitated by UMPSA counsellors Puan Nur Atiqah binti Mohd Nor

and Encik Muhammad Syamim Aiman bin Abd Hamid, with support from Puan Nur Azila binti Osman. Activities included role plays and interactive lectures, which received strong participation and positive feedback from attendees. The initiative is expected to strengthen academic advisors’ capacity in supporting students’ wellbeing, and similar programs will continue to be encouraged in the future.

## FTKKP COMMUNITY EMBRACES RAMADAN WITH IFTAR PREPARATION AT UMPSA MOSQUE

13 March 2025 – In conjunction with the holy month of Ramadan, the Faculty of Chemical & Process Engineering Technology (FTKKP), Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA), came together for the Gotong-Royong Iftar Jamaie Program held at UMPSA Mosque, Gambang Campus. Staff, students, and partners including Yayasan UMPSA, Sctiexs & Insmartive, and PETAKOM joined hands in preparing and serving meals for the community. From cooking to food sharing, the program reflected the spirit of unity, generosity, and togetherness during Ramadan. This initiative is



part of the FTKKP Ramadan Festival, which features a series of activities throughout the month. UMPSA extends appreciation to all who contributed their time and effort, ensuring the success of the event and fostering the spirit of Ramadan blessings.

## FTKKP'S KKSS SPREADS RAMADAN BLESSINGS THROUGH SINGGAH SAHUR PROGRAM



18 March 2025 – With the theme “Rezeki Dikongsi, Santuni Komuniti” (Sharing Blessings, Embracing the Community), the Kelab Kebajikan dan Sukan Staf (KKSS) of the Faculty of Chemical & Process Engineering Technology (FTKKP) organised the Singgah Sahur Program during Ramadan. About 25 volunteers from KKSS FTKKP and the Chemical Engineering Student Club (CHEST) distributed over 250 packs of sahur meals from 12.30 a.m. to 3.00 a.m., made possible through staff and donor contributions. The meals were delivered to university students, night-shift personnel,

enforcement agencies, hospitals, UMPSA security guards, matriculation and community colleges, sports academies, and highway toll workers. This initiative reflects FTKKP’s commitment to easing the burden of the community while fostering stronger ties between the university, students, and local society.

## FTKKP HOSTS MAJLIS KHATAM AL-QURAN 2025 (1446H) IN CONJUNCTION WITH RAMADAN FESTIVAL

26 March 2025 - Alhamdulillah, with gratitude and blessings, the Faculty of Chemical and Process Engineering Technology (FTKKP) successfully held the Majlis Khatam Al-Quran FTKKP as part of the FTKKP Ramadan Festival 2025. The event was led by Ir. Dr. Mohd Sabri bin Mahmud and joined by the Dean, Prof. Dr. Sumaiya binti Zainal Abidin, together with FTKKP staff and community members. The ceremony served as a meaningful platform to nurture love for the Holy Quran, inspire spiritual growth, and strengthen faith and piety. It is hoped



that this program will mark the beginning of more good deeds and blessings in the lives of all participants. This initiative formed part of the FTKKP Ramadan Festival, which featured various religious and community activities organized by the Faculty of Chemical and Process Engineering Technology Staff Welfare and Sports Club (KKSS FTKKP) throughout the holy month. FTKKP extends heartfelt appreciation to everyone who participated and supported the event. May all our worship and good deeds be accepted by Allah SWT and bring lasting benefits.



## FTKKP ORGANISES WRITING WORKSHOP WITH UMPSA PRESS



28 April 2025 - The Faculty of Chemical and Process Engineering Technology (FTKKP) successfully held the FTKKP Writing Workshop with UMPSA Press on 28 April 2025 at Lecture Room W-DKU-K-01, Gambang Campus. The workshop was delivered by Ts. Dr. Rozaimi bin Abu Samah, Director of UMPSA Press, who brings extensive experience in academic publishing and scholarly writing. The session aimed to enhance understanding and skills in academic writing and publishing, particularly among both academic and

non-academic staff at FTKKP. This initiative aligns with the faculty's continuous efforts to strengthen the culture of scholarly publishing. Key aspects covered during the workshop included publishing ethics, the structure of academic book writing, and the publishing process at UMPSA.

## RAYA CELEBRATED, BONDS STRENGTHENED - FTKKP AIDILFITRI CELEBRATION 2025

28 April 2025 - The Faculty of Chemical and Process Engineering Technology (FTKKP), UMPSA, held its Aidilfitri Celebration 2025 at the Block W Concourse, Gambang Campus, themed "Raya Celebrated, Bonds Strengthened." The event featured an opening speech by KKSS FTKKP Chairperson, Assoc. Prof. Ts. Dr. Sunarti Abd Rahman, followed by the presentation of contributions to staff facing health and family challenges, as well as recognition for four staff members embarking on Hajj this year. The celebration was further enlivened with karaoke, festive games, lucky draws, and vibrant Raya attire, creating a joyful atmosphere that strengthened unity and camaraderie among FTKKP staff.



## KUANTAN BEACH CLEANUP ORGANIZED BY SPE UMPSA STUDENT CHAPTER



11 January 2025 - The Society of Petroleum Engineers (SPE) UMPSA Student Chapter, in collaboration with the Oil & Gas Cluster, Faculty of Chemical & Process Engineering Technology (FTKKP), organised the Kuantan Beach Care Collective at Pantai Cempaka, Kuantan. Supported by Orioner Hightech, Reservoir Link, Majlis Bandaraya Kuantan, Alam Flora, and SWCorp, the program gathered 60 participants comprising students, lecturers, and industry representatives. Volunteers took part in a beach cleanup challenge, collecting and sorting waste to promote recycling and responsible waste management. The initiative fostered environmental awareness, teamwork, and community engagement while strengthening ties between academia, industry, and the local community. UMPSA reaffirmed its commitment to sustainability through the success of this collaborative effort.



## INDUSTRIAL VISIT TO BENNS CHOCOLATE FACTORY FOR FOOD ENGINEERING TECHNOLOGY COURSE

13 January 2025 - Students of the Food Engineering Technology course (BTK3843) for Semester I 2024/2025 had the opportunity to participate in an industrial visit to Benns Chocolate Sdn. Bhd., accompanied by their lecturer, Associate Professor Ts. Dr. Farhan binti Mohd Said. The visit was part of the course's experiential learning activity aimed at deepening students' understanding of food technology applications in a real industrial setting. Special thanks to Benns Chocolate for their warm hospitality and continuous support in making this visit a success. It is hoped that this valuable experience will inspire students to further explore knowledge and enhance their skills in the field of food technology.





## INDUSTRIAL VISIT FOR DIPLOMA IN CHEMICAL ENGINEERING STUDENTS (DRK)



27 January 2025 – Diploma in Chemical Engineering students from UMPSA enhanced their learning through an industrial visit to several processing plants, as part of their integrated course project for Plant Commissioning, Safety & Health, and Plant Utility. The visits included Jabor Palm Oil Mill, Sime Darby Guthrie Berhad, FGV Biorefineries Sdn. Bhd., BASF Petronas Chemicals Sdn. Bhd., Maran Palm Oil Mill, Felcra Berhad, LCSB Lepar Palm Oil Mill, and LKKP. Students later produced reports and video presentations focusing on commissioning, safety, and utilities. Special appreciation goes to the participating companies for their support and to the accompanying lecturers – Ts. Dr. Mohd Aizudin Abd Aziz, Dr. Khairatun Najwa Mohd Amin, Dr. Mohd Shafiq Mohd Sueb, and Ts. Joharizal Johari. The program provided valuable industry exposure, bridging theory with real-world practice.

## MSC PROCESS PLANT OPERATION STUDENTS GAIN HANDS-ON TRAINING AT INSTEP



31 January 2025 - Students of the MSc Process Plant Operation program, Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA), successfully completed the Process and Production Control module at Institut Teknologi Petroleum PETRONAS (INSTEP). Guided by Dr. Aminatulmimi Ismail, the training involved 14 working professionals and provided hands-on exposure to production control systems, safety practices, and operational excellence. Conducted in collaboration with INSTEP, the program bridges theory with industry practice, equip-

ping students with technical skills and problem-solving abilities for the process plant sector. UMPSA commended the participants for their dedication, underscoring its commitment to producing industry-ready graduates through strategic partnerships with key industry players.

## SPE UMPSA STUDENT CHAPTER HOSTS ALUMNI TALK: “FROM INTERNS TO PROS”

21 April 2025 – The Society of Petroleum Engineers (SPE) UMPSA Student Chapter organized a hybrid program titled “From Interns to Pros: Alumni Experiences”, attended by around 60 students. Distinguished alumni from the Bachelor of Technology in Mechanical Engineering (Petroleum) with Honours (BTO) program, including representatives from ReservoirLink, TechnipFMC, HRSB Power Control, and Dimension Bid, shared their industrial training and career experiences. The session covered workplace challenges, presentation skills, and strategies to overcome burnout, offering



session covered workplace challenges, presentation skills, and strategies to overcome burnout, offering students practical insights into the oil and gas industry. The event concluded with a token presentation by Ts. Dr. Nora-yikin Ismail, Program Head of BTO and SPE Advisor, followed by a tour of the updated BTO laboratories. The program successfully strengthened alumni-student ties and inspired participants to prepare for future careers.



## INDUSTRIAL VISIT TO AJINOMOTO MALAYSIA FACTORY



22 May 2025 - Students of the Food Engineering Technology course (BTK3843), Semester II 2024/2025, had the opportunity to participate in an industrial visit to Ajinomoto (Malaysia) Berhad, accompanied by Associate Professor Ts. Dr. Farhan Binti Mohd Said. The visit was part of the teaching and learning activities designed to expose students to food engineering processes and the application of food processing technology at an industrial scale. Students gained first-hand insights into the production environment and the integration of technology in ensuring product quality and efficiency. FTKKP extends its appreciation to Ajinomoto Malaysia for the warm welcome and cooperation throughout the visit. This meaningful experience is expected to enhance students' understanding of food engineering and strengthen their readiness for future careers in the food industry.

## ACADEMIC GUIDANCE & EMOTIONAL SUPPORT PROGRAM FOR FTKKP STUDENTS

23 May 2025 - In conjunction with Mental Health Week & ChemWeek 2025, the Faculty of Chemical and Process Engineering Technology (FTKKP) organised a brief intervention program with students to foster emotional and academic well-being. The program was carried out with strong support from counsellors of UMPSA's Pusat Sejahtera, who visited classes for 10–15 minutes to provide direct psychosocial support to all FTKKP students. A total of 24 courses from both Bachelor's and Diploma programs were involved in this initiative. Special thanks go to the course lecturers,



students, counsellors, and program coordinator, Ts. Dr. Noorlisa binti Harun, for making this initiative a success. It is hoped that such programs will continue as part of ongoing efforts to build a healthy and well-balanced campus community – mentally, emotionally, and academically.

## INDUSTRIAL TALK: ROTATING VS STATIC EQUIPMENT IN OIL & GAS INDUSTRY



13 June 2025 - The Faculty of Chemical and Process Engineering Technology (FTKKP) organized an Industrial Talk featuring Mr. Hazmir bin Hamzah, Project Manager at UBF Maintenance Sdn. Bhd. The session was held in conjunction with the BVF1243 Equipment Basic Care course under the Master of Technology in Oil and Gas Facility Maintenance Program. Attended by the Head of Program, Ts. Dr. Nor Khonisah binti Daud, lecturers, and over 50 students, the talk provided

in-depth exposure to the differences between rotating and static equipment in the oil and gas industry. Mr. Hazmir also shared valuable field experiences and highlighted career opportunities for future graduates. FTKKP expressed its appreciation to Mr. Hazmir for the insightful knowledge sharing and emphasized the importance of industry-academia collaborations in preparing holistic, industry-ready graduates.

## MSC PROCESS PLANT OPERATION STUDENTS COMPLETE INTENSIVE INDUSTRY-BASED MODULES AT INSTEP

18 June 2025 – The MSc Process Plant Operation program at Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) continues to emphasize industry-oriented learning through the successful completion of two intensive modules at the Institute of Technology Petroleum (INSTEP). The first module, Plant Integrity, Maintenance & Troubleshooting (31 May–1 June), was followed by Plant Utilities (14–15 June). Designed for working professionals, both sessions combined advanced theoretical concepts with hands-on training to strengthen technical expertise and practical skills in process plant



operations. These modules provided students with direct exposure to industry-relevant practices, equipping them with the knowledge and problem-solving abilities needed to manage, maintain, and optimize plant operations. UMPSA commended the students for their dedication, noting that the success of the program reflects the university's commitment to producing industry-ready graduates for the oil, gas, and process plant sectors.



## ALUMNI BECOME EDUCATORS, INDUSTRY BECOMES THE CLASSROOM – BVF LEARNING TRANSFORMATION AT FTKKP UMPSA



19 June 2025 - The Faculty of Chemical and Process Engineering Technology (FTKKP) continues to strengthen TVET learning through real industry engagement. Recently, 41 students from the Bachelor of Technology in Oil and Gas Facility Maintenance (BVF) program visited Ambok Engineering Sdn. Bhd., accompanied by two lecturers. The visit, held under the Alignment & Condition-Based Monitoring and Equipment Basic Care courses, was led by UMPSA alumni Muhammad Aiman and Amirul Hakim, now industry experts in condition-based maintenance. Students gained hands-on experience with advanced tech-

nologies such as infrared thermography, laser alignment, and vibration analysis, while also learning about the value of professional competency certifications. The program also paved the way for closer collaboration, with MoU discussions following a previous Letter of Intent (LOI). FTKKP extended its appreciation to Ambok Engineering Director, Saiful Othman, for his strong support in preparing students to become holistic and industry-ready graduates.