



اوتوئرسوتې مليسيا قهق السلطان عبد الله
UNIVERSITI MALAYSIA PAHANG
AL-SULTAN ABDULLAH

2024 SUSTAINABILITY REPORT

Universiti Malaysia Pahang Al-Sultan Abdullah

Engineering • Technology • Creativity



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Acknowledgement

Dear esteemed colleagues, partners, and stakeholders.

It is our pleasure to present UMPSA's Sustainable Report 2024 with a heart full of gratitude and humility as we offer my sincerest acknowledgements in 2024 achievements on sustainability efforts.

I would like to extend my heartfelt thanks to our dedicated team of Head of Clusters and team, researchers, analysts, and staff members who have worked tirelessly to advance our mission of promoting sustainable development practices and solutions. Your hard work and commitment to our cause are truly commendable, and I am proud to work alongside such talented individuals.

I would also like to express my appreciation to our valued partners and collaborators, who have supported us in our efforts to drive positive change and create a more sustainable future. Your contributions and expertise have been invaluable in guiding our initiatives and projects towards success.

Furthermore, I want to recognize the crucial role played by our donors, sponsors, and funding agencies in providing the resources necessary to carry out our programs and research activities. Your generosity and support have been instrumental in enabling us to make a real impact in the field of sustainable development.

Last but certainly not least, I want to express my gratitude to our stakeholders and the communities we serve for their trust, engagement, and feedback. Your voices and perspectives are essential in informing our work and ensuring that our efforts are meaningful and impactful.

As we reflect on the accomplishments and challenges outlined in this report, let us also look ahead with optimism and determination to continue our journey towards a more sustainable and equitable world. Together, we can make a positive difference and create a lasting legacy for future generations.

Thank you all for your unwavering support and dedication. Here's to another year of progress and collaboration in pursuit of sustainability.

Dr. Suhaidah binti Hussain
Director
Sustainable Development Centre (SDC)



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SDG 1: NO POVERTY



Waqf Fund

UMPSA has successfully collected waqf funds of RM3,493.24 in 2024, bringing the remaining waqf funds collected to RM1,532,585.90.

Endowment Fund

As for the endowment fund, UMPSA has successfully collected RM2,974,606.61 in 2024 and the remaining endowment fund collected is RM9,651,764.15.

This distribution summary is funds that have been approved by the UMPSA Foundation Board of Trustees, including financial contributions, collaborative programs and in-kind (goods) from corporate bodies, private agencies and philanthropists.





Student Financial Assistance

in 2024, the student financial assistance had benefited 2,489 underprivileged students through 10 types of financial assistance.

ZAKAT ASSISTANCE RM878,450 STUDENT WELFARE UNIT 1858 RECEIVER	EXCELLENCE INCENTIVES RM133,000 UMPSA FOUNDATION 133 RECEIVER	YaPIEM EDUCATION ASSISTANCE RM110,000 YaPIEM 110 RECEIVER	NATIONAL EQUITY SPONSORSHIP RM55,000 EKUINAS 40 RECEIVER	EDUCATION INCENTIVES RM50,000 UMPSA FOUNDATION 50 RECEIVER
NON-MUSLIM WELFARE ASSISTANCE RM43,000 STUDENT WELFARE UNIT 159 RECEIVER	KHAIRAT KEMATIAN ASSISTANCE RM10,150 STUDENT WELFARE UNIT 29 RECEIVER	CARE4U RM10,000 UMPSA FOUNDATION 110 RECEIVER	EDUCATION ASSISTANCE RM17,000 PERKASA SISWA FOUNDATION 17 RECEIVER	LAPTOP ASSISTANCE UMPSA FOUNDATION & STUDENT WELFARE UNIT 43 RECEIVER





UMPSA Free Market 2024

The UMPSA Free Market program organized by the Student Affairs & Alumni Department in collaboration with the Center for Sustainable Development, the Student Representative Council and the UMPSA Student Residents has been fully utilized by the Pekan campus community to obtain essential items such as clothing, accessories, shoes and other donated items that are still good to use. Prof. Ts. Dr. Mohd Rusllim Mohamed, Deputy Vice-Chancellor of Student Affairs & Alumni who also went to the field to greet the campus community during the program said that organizing a program like this is a noble initiative in providing opportunities for campus community members to help each other and foster concern within the community.



Dr. Suhaidah Hussain, Director of the Center for Sustainable Development also hopes that this program can help those in need.

Babaker University Scholarship

Prof. Ts. Dr. Mohd Rusllim Mohamed, Deputy Vice-Chancellor of Student Affairs & Alumni of Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) had the opportunity to meet international students who are recipients of the Babaker University Scholarship in an iftar ceremony at Perumahan Jalan Tegak, Pekan, Pahang Darul Makmur.

During this brief meeting, Prof. Ts. Dr. Mohd Rusllim Mohamed also had the opportunity to deliver a message and speech to the students and socialize while examining the welfare aspects and other needs of these international students who are currently pursuing Undergraduate and Postgraduate studies from various faculties at UMPSA. According to current records, there are 50 Bachelor's degree students and 2 postgraduate students who are recipients of the Babaker Scholarship currently pursuing their studies at UMPSA.





SDG 2: ZERO HUNGER



Iftar Gotong Royong

All members of the Student Affairs & Alumni Department had the opportunity to participate in a *gotong-royong* activity to prepare iftar meals for UMPSA students at the UMPSA Gambang Campus Mosque. This is a yearly event conducted during Ramadhan month.



**Our Kitchen Project:
Students Helping Students**

A total of 300 pieces of *roti canai* and 600 pieces of pancakes were successfully distributed to students of Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) through the *Dapur Kita* initiative with the 'Students Help Students' approach.

The distribution of the food was carried out at the Pekan Student Activity Centre, and at the Student Resident Cafe 4 and Payung Putih for students on the Gambang campus.



UMPSA Campus Pantry



Students Affairs and Alumni Department (JHEPA) Gambang Campus Office, Campus Pantry received a donation of White Curry Noodle Food Packs. A total of 130 boxes containing 7,800 food packs were donated by Jaman Tory.

This donation was received by Nur Syafiqah Adnan, who is also the Deputy YDP MPP, together with HEPACARE volunteers and Campus Pantry representatives. This donation is seen to support the SDG 2: Zero Hunger initiative, in a joint effort to eliminate hunger and ensure access to sufficient food for all, especially UMPSA students. In 2024, the Campus Pantry initiatives benefited 3,419 students with 8,450 packs of retort food amounting RM73,000.00.

Dapur Siswa

Student's Affairs and Alumni, Deputy Vice Chancellor, Prof. Ts. Dr. Mohd Rusllim Mohamed, together with MPP and PEKA representatives visited the Students' Kitchen at RP1 to review the facilities provided.

As an improvement, Prof. Rusllim proposed an increase in refrigerators, study tables, and electrical sockets for the convenience of the residents. In addition, the amount of rice for female student residents was also increased from one to two per month. It is hoped that this step will make Dapur Siswa more comfortable and student-friendly.







SDG 3: GOOD HEALTH & WELL BEING

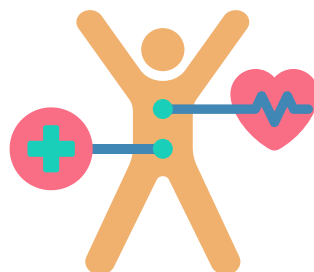
Annual Staf Health Screening

In order in to promote SDG3 Good Health and Well Being, University Health Centre had organized Annual Staff Health Screening to monitor the health level of UMPSA staff. This initial steps to know the health status of staff and provide treatment if necessary, and to promote early detection of non-communicable diseases (NCD).

About 50% UMPSA staff attended the session and the assessment of health level includes; blood pressure, sugar, cholesterol & BMI checks screening. This program is also carried out throughout the year and health screening is carried out at PKU on both campuses (by appointment) and also at departments at UMPSA.

Total number of staff
participated in Annual Health
Check Up (Mobile Clinic)

1,161



Total number of new students
students went for medical
check

3,169



Dental Health Services in Pekan and Gambang Campus

Dental services in PKU started in September 2023 for Pekan campus and June 2024 for Gambang campus. Currently, available services are dental check-up and scaling operated by a Dental Officer and a Healthcare Assistant.



Student Affairs & Alumni Department Healthy Lifestyle Activity: Dodgeball Sports

In conjunction with this week's Healthy Lifestyle Program, the Department of Student & Alumni Affairs (JHEPA) organized a Dodgeball sports activity at the Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) Sports Complex, Gambang Campus.



SDG 4: QUALITY EDUCATION



In 2024, a total of 5,115 graduates will complete their studies, namely 954 diploma graduates (including executive or professional diplomas), 3,269 bachelor's graduates (including dual degrees and executive bachelor's degrees), 809 master's graduates (including executive masters) and 83 Doctor of Philosophy (PhD) graduates.

99.1% Graduate Employment Rate (GE)

** refers to the proportion of graduates employed to the number of graduates in the labor force.*

99.0% Graduate Marketability Rate (GM)

** refers to the ability of graduates to be marketable in the industry, i.e. have the competence to obtain and maintain suitable employment.*





Malaysia-China cooperation within the framework of the Belt and Road Initiative benefits students when the Chinese government offers free scholarships to 1,000 Technical and Vocational Education and Training (TVET) graduates.

UMPSA and Northern Illinois University (NIU) strengthen the cooperation network

Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) will continue to strengthen its collaborative network with Northern Illinois University (NIU), United States in offering Engineering Technology Programs that can produce more Practical Engineer or Technologist graduates in this country.



UMPSA strengthens collaboration with Cardiff Metropolitan University in robotics and STEM technology

The collaboration between Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) and Cardiff Metropolitan University (CMU) will focus on leveraging robotics technology and Science, Technology, Engineering and Mathematics (STEM) education to increase learning opportunities among students.





SDG 5: GENDER EQUALITY

Staff

51%
Male



49%
Female

As of December 31, 2024, 51 percent are male staff and the rest are female staff with an age range of under 30 years old to 51 years old and above.



SDG 6: CLEAN WATER & SANITIZATION



Centralized Sewerage Treatment Plant (STP)

The Sewerage Treatment Plant (STP), also known as a Sewage Treatment Plant or Wastewater Treatment Plant (WWTP), is an industrial facility designed to treat and clean sewage or wastewater before it is released back into the environment or returned for reuse.

The primary goal of an STP is to remove contaminants from wastewater, which can include domestic, industrial, and commercial waste, to protect public health and the environment. UMPSA (Pekan Kampus) has completed the construction of 15,000 PE Sewerage Treatment Plant (STP) that commence in October 2023.



Rainwater Harvesting

The rainwater harvesting system is a method of collecting and storing rainwater for later use. This sustainable practice can help reduce water consumption, alleviate pressure on municipal water supplies, and provide an alternative water source for various applications. Rainwater harvesting systems are an integral part of sustainable water management, offering numerous environmental, economic, and social benefits.





SDG 7: AFFORDABLE & CLEAN ENERGY



Electricity
Savings

01 Solar



The installation of a 3.58 MWp solar system at UMPSA Pekan was fully completed on 29 November 2023 and commenced operation on 14 December 2023. This initiative enables UMPSA Pekan to achieve electricity bill savings, as electricity generated from the solar system will be charged at a rate of RM0.29 per kWh.

This solar installation is expected to reduce carbon dioxide (CO₂) emissions at UMPSA Pekan by 47 percent, equivalent to an annual electricity bill savings of up to RM 600,000. The installation of a 157.2 kWp solar system on Lake A at UMPSA Pekan is part of UMPSA's research efforts focusing on ecosystem, safety, and power generation.

This solar system on the lake is the first floating solar project in the state of Pahang, and UMPSA is also the first public university (UA) in Malaysia to install a solar system on a lake surface.

Solar savings up to 2024:

MYR1,394,521.50

Saving up to December 2024

4,865.51 tCo₂

Reduction of Co₂ Emissions to the Environment up to November 2024



Electricity Savings

02 Off Peak Tariff Rider (OPTR)

Off Peak Tariff Rider (OPTR) – The electricity charge at night is lower than the normal rate, where the normal rate is RM0.365 per kWh, while the OPTR rate is RM0.292 per kWh. This results in savings of RM0.073 per kWh. The conversion to an OPTR meter was carried out in May 2023 at a cost of RM12,500.00. The return on investment (ROI) for this initiative was achieved within 15 days.

Savings for 2023

MYR207,522.14

Savings for 2024

MYR342,090.99

Total Overall Savings

RM549,613.13





Low Carbon City (LCC) & Electric Vehicle

03 Low Carbon City (LCC) Award

In February 2024, Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) made history when it received the 2023 Low Carbon City Award in conjunction with the 2023 Malaysia Low Carbon City Award Ceremony which recognizes the continuous efforts and commitment of Local Authorities (PBT) and organizations in advancing sustainable and low carbon urban development.

The Diamond Zone Category recognition for UMPSA Pekan Campus saw a 38.34 percent reduction in Greenhouse Gas emissions equivalent to 4,705.16 tCO₂.

Meanwhile, UMPSA Gambang Campus successfully obtained the Diamond Partner Category Recognition with a 20.66 percent reduction in Greenhouse Gas emissions equivalent to 2,465.52 tCO₂.

The Low Carbon City Challenge 2030 (LCC 2030 Challenge) aims to reduce the overall carbon emission intensity from cities across the country in line with the country's commitment to reduce greenhouse gas emissions by 45 percent by 2030.

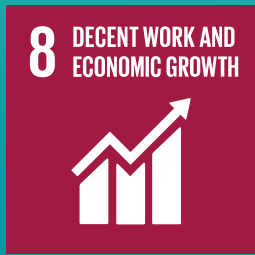
UMPSA is taking proactive steps to participate in this challenge for both campuses to ensure that the university develops and grows in line with the aspirations outlined by the government,



Electric Vehicles 04

UMPSA continues to make gains in empowering campus sustainability programmes with the purchased of two electric buses and two electric vans for student mobility on campus.

Furthermore, UMPSA residents can rent electric scooters from the BEAM concession firm at a reasonable price. This effort can reduce carbon emissions to the environment, conserve nature, and is also one of UMPSA's measures in promoting EVs throughout Malaysia, particularly in the state of Pahang.



SDG 8: DECENT WORK & ECONOMIC GROWTH

Strengthening Financial Resources

In 2024, UMPSA's reserve strengthening value decreased by -4.30 percent compared to the estimated three months of the university's operational expenditure. This reduction in reserve strengthening value was due to a decline in the university's internal revenues and resources. Meanwhile, for the self-financing percentage, the achievement for 2024 was 26.87 percent compared to the university's target of 26.60 percent.

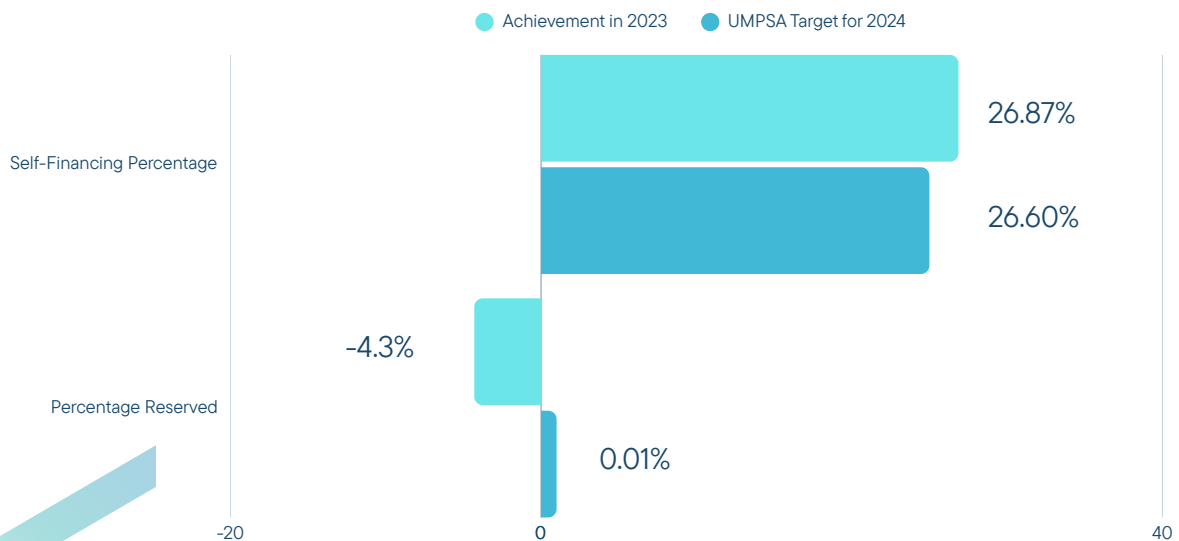


The university reserve enhancement refers to UMPSA's ability to increase its reserves. This can be achieved through measures such as operational expenditure savings and improvement of the university's internal revenues.

Percentage of Self-Financing Reserve Increase – The social entrepreneurship approach refers to self-financing social operations



Strengthening UMPSA's Financial Resources for the Year 2024



Graduate Entrepreneurship

2,600

Total number of students involved in Entrepreneurship Program

45

High-impact students company



Student Entrepreneurship Program

- Entrepreneurship Competition
- KeSSISWA 2023
- DICE 2.0 2023
- UTC 2023
- UCSE & USEC 2023
- PISA 2024
- PENTAS IO MDEC
- Launch X
- My Next PISA
- Hatchquest

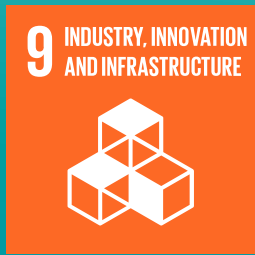


Entrepreneurship Incubator

- Inkubator Automotif (KPT Fund)
- Inkubator Asnaf Bakeri (Maybank Fund)



The Mycoairdetex group and OncoDtex group successfully won the Gold Award at the International Student Invention Innovation Development Exhibition Competition (i-SIIDEC) 2024

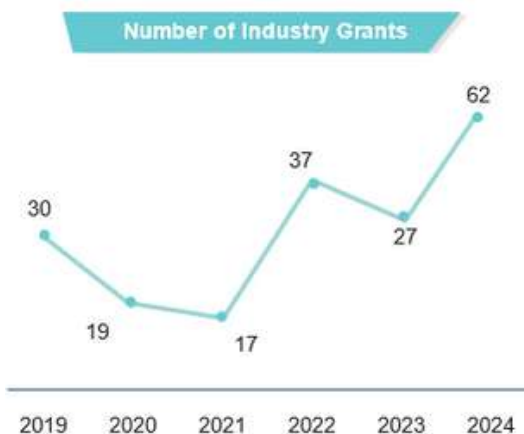




Innovation Through Industry Collaboration

SDG 9: INDUSTRY, INNOVATION AND INFRASTRUCTURE

Collaboration with industry under the Research and Innovation Department is measured through the allocation of funds from industry parties to sponsor research projects aimed at improving the quality of industrial production, as well as increasing profits or expanding the production of industry-owned companies. Industry sponsors these research projects by leveraging the expertise of UMPSA researchers to realize their goals, while also enhancing the researchers' capabilities and improving the overall quality of national research..



In general, industry funding allocation for the year 2024 has shown a remarkable increase a rise of 644 percent, from RM655,159.64 to RM4,871,286.60, and an increase of 130 percent in the number of research grant projects, from 27 to 62 grants.



Innovation Through International Collaboration

The year 2024 marks the highest increase in the receipt of international funding, which includes funds from foreign industries, NGOs, agencies, and ministries. This increase records a total of 62 international grants received in 2024 compared to 30 in 2023, with the total amount of funding received in 2024 amounting to RM1,649,303.







OKU
Service
Unit

SDG 10: REDUCED INEQUALITIES

The OKU Service Unit (OKUMPSA) was established to provide services to the OKU community at UMPA, including staff, students, and staff with OKU dependents, by creating an inclusive and conducive campus environment.

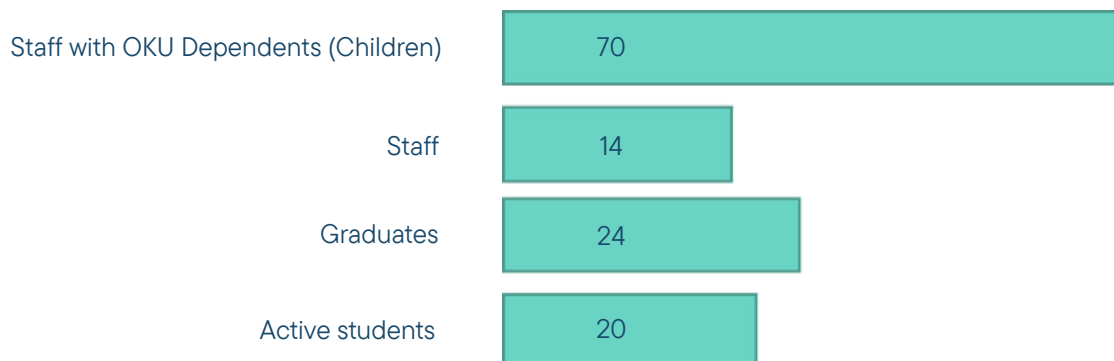
The establishment of OKU Service Unit as follows:

- To create an inclusive and conducive environment for the OKU community at UMPA.
- To optimize the potential and talents of the OKU community through a systematic integration package of rehabilitation and empowerment programs.
- To generate a distinguished, sustainable, and professional brand for the UMPA OKU community through technological synergy for the broader community.



Main Services

- Governance
- Teaching and Learning (PdP) and Career
- Campus Environment
Accessibility and Connectivity
- Support Services



Statistics of OKU UMPA Community 2024

11 SUSTAINABLE CITIES
AND COMMUNITIES



SDG
11



SDG 11: SUSTAINABLE CITIES AND COMMUNITIES

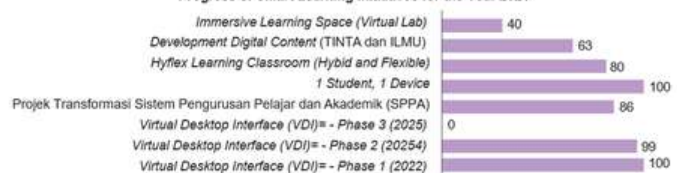
A Smart Campus refers to the modernization of UMPSA's work processes to enhance services and operations through the intelligent provision and use of the latest technologies. For 2024, a total of 26 projects are being actively pursued under the five established smart pillars: Smart Learning, Smart Management, Smart Healthcare, Smart Governance, and Smart Community.



Smart Learning

The first smart pillar under UMPSA's Smart Campus initiative is Smart Learning. Smart Learning aims to enhance the learning process through the use of digital learning technologies, augmented reality (AR), and virtual reality (VR), while also improving application systems. There are eight projects under this smart pillar, with two projects successfully completed. The remaining projects are currently in progress and are expected to be completed by 2025.

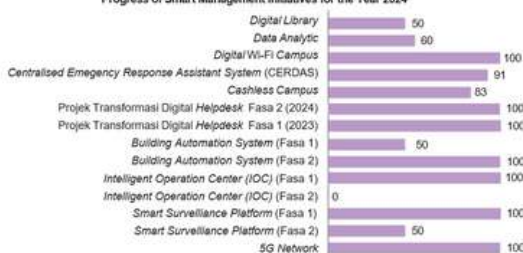
Progress of Smart Learning Initiatives for the Year 2024



Smart Management

Smart Management introduces an integrated information management system to enhance the efficiency of the university's operations, including information accessibility, security, resource utilisation, and data analysis. A total of 14 projects are targeted under this smart pillar, with seven of them successfully completed by the end of 2024.

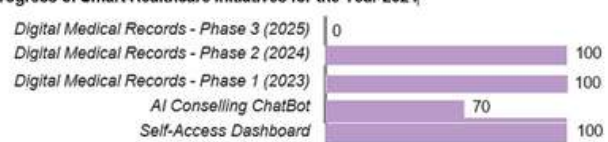
Progress of Smart Management Initiatives for the Year 2024



Smart Healthcare

Smart Healthcare aims to establish a structured healthcare management system and improve accessibility to better health services through the development of a Digital Medical Record system and a self-access dashboard for personal health record monitoring. There are five projects under Smart Healthcare. Three out of the five have been successfully completed, while the remaining projects are still in progress. The next phase, Digital Medical Record Phase 3, is scheduled to begin in 2025.

Progress of Smart Healthcare Initiatives for the Year 2024



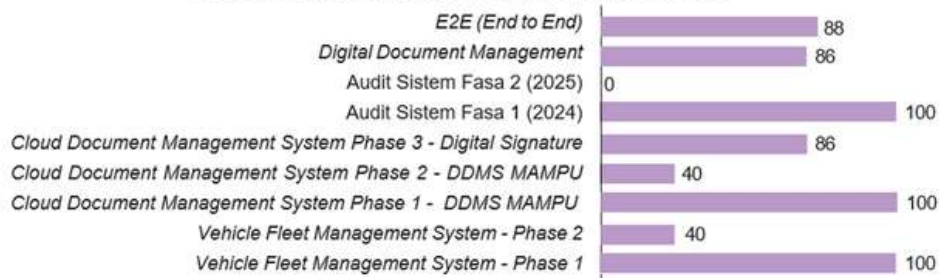
Smart Governance

Smart Governance aims to enhance efficiency in management and governance while also improving transparency and accountability. There are nine initiatives under this pillar, of which four have been successfully completed by the end of 2024. Another four initiatives are currently in progress, and one initiative is scheduled to begin in 2025.



Smart
Campus

Progress of Smart Governance Initiatives for the Year 2024



Smart Community

The final smart pillar is Smart Community. Smart Community comprises a total of eight projects, of which six have been completed by the end of 2024. Only two projects remain, which are expected to be completed in 2025. Smart Community provides a collaboration platform for the UMPSA community through the implementation of the UMPSA SuperApp project, which has been fully developed in three phases.

Progress of Smart Community Initiatives for the Year 2024



Campus Planning & Development

Throughout 2024, the Centre for Development and Asset Management (PPPH) implemented building upgrading projects, space renovations, and new constructions under internal allocations. The Campus Planning and Development Division also continued to monitor and supervise projects for the continuation into 2025..



Campus Development

Development Projects (Tender)

- Construction of a bus depot and charging station for electric vehicles, including related works, at UMPSA Pekan.
- Construction of a 15,000 PE capacity sewage treatment plant at UMPSA Pekan (Design and Build)
- Construction of the Convocation Hall at UMPSA Pekan.
- Construction of road networks and infrastructure at UMPSA Pekan.

Development Projects Costs (Tender)

RM97,538,856.20

Development Projects (Quotation)

- Repair works for water splashing at the Faculty of Computing (FK) and related works at UMPSA Pekan.
- Supply and installation of roller blinds and tinted films at FK and related works at UMPSA Pekan.
- Office space renovation for the legal unit at Canseleri Tun Abdul Razak (CTAR).
- Upgrading works for the open court and kayak storage, including related works, at UMPSA Pekan.
- Installation of high volume low speed (HVLS) fans and wall fans at UMPSA Pekan Mosque.
- Upgrading works to convert the existing office space into an advanced industrial technology office, including related works, on the ground floor of the Faculty of Mechanical and Automotive Engineering Technology (FTKMA) building.
- Upgrading works for Cafeterias 1, 2, and 4, including related works, on the ground floor of the Student Activity Centre (PAP) building at UMPSA Pekan.
- Upgrading works for the Technology Hub and Inclusive Ecosystem (HATI) on Levels 1 and 4 of the UMPSA Library building, including related works, at UMPSA Pekan.

Development Projects Costs (Quotation)

RM1,526,006.20

Campus Facilities

- Replacement works for trunking accessories and wiring, including related works, at the Faculty of Electrical and Electronics Engineering Technology (FTKEE) and the Faculty of Mechanical and Automotive Engineering Technology (FTKMA)
- Upgrading works for the 11kV compact substation at UMPSA Pekan.
- Upgrading works for the fire prevention system at FTKEE and FTKMA.
- Upgrading works to replace R22 gas air conditioning units with new R32 gas air conditioning units around UMPSA Pekan.
- Upgrading works for the pump system of the water storage tank at UMPSA Pekan.
- Upgrading works for part of the toilets at the Faculty of Electrical and Electronics Engineering Technology (FTKEE).



Campus Development

Campus Facilities Project Cost

RM3,378,293.80



12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



SDG
12



SDG 12: RESPONSIBLE CONSUMPTION AND PRODUCTION



UMPSA HOSTS ICCEIB 2024 FOCUSING ON COLLABORATIVE SDG APPROACHES FOR FOOD, ENERGY, AND WATER SECURITY

Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) successfully organised the 7th International Conference on Chemical Engineering & Industrial Biotechnology (ICCEIB) 2024 from 27 to 29 August in Putrajaya. The hybrid conference themed “Collaborative Approaches for SDGs: Catalysing Sustainability in Food, Energy, and Water Security” attracted over 100 participants from countries including Vietnam, Jordan, Japan, South Korea, the United Kingdom, and Norway. UMPSA received 155 abstract submissions, with selected papers slated for publication in prestigious journals such as the Journal of Chemical Technology and Biotechnology and Springer’s Lecture Notes on Multidisciplinary Industrial Engineering.

UMPSA Vice-Chancellor, Professor Dato’ Ts. Dr. Yuserrie Zainuddin, highlighted the university’s commitment to advancing research and commercialisation in chemical engineering and industrial biotechnology, aligned with the United Nations’ Sustainable Development Goals (SDGs). The conference also featured the signing of a Memorandum of Understanding (MoU) between UMPSA and Crescent Engineering (M) Sdn. Bhd., aiming to enhance Work-Based Learning (WBL) initiatives that integrate workplace activities and industrial training into student education. This partnership is expected to strengthen collaborative efforts towards sustainable solutions in critical resource areas.



UMPSA'S 'TRASH2CASH' PROGRAMME SUPPORTS ESG AND SDG AGENDA

Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) continues to strengthen its commitment to sustainability through the UMPSA Sustainable Campus Action Plan 2022–2025, aligned with global Sustainable Development Goals (SDG) and ESG principles. One of the key focus areas is waste management, which aligns with SDGs 3, 12, 14, 15, and 17, aimed at promoting responsible resource use, minimising food waste, and encouraging recycling. To support this effort, UMPSA established the Sustainability Development Centre (SDC) in December 2023, which oversees initiatives such as reducing paper and plastic usage on campus. Among the flagship activities is the 'Trash2Cash' programme, where students collect recyclable waste such as plastics, paper, and bottles, exchange them for cash or incentives, and contribute the proceeds to charitable causes.

The programme, organised in collaboration with various campus sustainability committees, also fosters environmental awareness, hands-on learning, and community engagement among students. From 1 to 11 January 2024, the initiative successfully collected 267.3 kg of recyclables, earning RM140.85, which was donated to the Palestinian Jihad Fund. In addition to promoting recycling habits, the initiative encourages the use of technology for waste management, such as developing a mobile recycling app linked to UMPSA's E-Community system, enabling merit points for participants. This approach not only supports ESG and SDG objectives but also builds a culture of shared responsibility towards environmental preservation within the UMPSA community.



UMPSA ORGANISES 'SDG: AN INTERNATIONAL DIALOGUE' SESSION TO FOSTER CULTURAL EXCHANGE AND INTERNATIONAL COLLABORATION

The Student Affairs and Alumni Department (JHEPA) of Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) recently hosted the 'SDG: An International Dialogue' session alongside the send-off program for UMPA's International Mobility Journey. The event showcased the unique culture and heritage of Pahang Darul Makmur through various activities, providing international students with an immersive experience of local traditions. It also served as a platform to build networks among countries, industries, and agencies while highlighting the impact of educational tourism on local communities. This Edu-Tourism initiative is part of UMPA's Strategic Plan UMPA25 under Pillar 6A: Student Internationalization.

In addition to the forum, the program featured cultural performances, traditional games, and community feasts, creating a lively atmosphere for cross-cultural interaction. The symbolic send-off for the international mobility journey was conducted by JHEPA officials, including the General Manager Haryani Abdullah and Director Mohd Raizalhilmy Mohd Rais, with the Deputy Vice-Chancellor (Student Affairs and Alumni), Professor Ts. Dr. Mohd Ruslim Mohamed in attendance. Participants enjoyed traditional food and coffee while engaging in relaxed recreational activities, fostering a deeper understanding and appreciation of diverse cultures within the UMPA community.



UMPSA Recycling Center

UMPSA has 2 Recycle Center, each one at campus; UMPSA Pekan and UMPSA Gambang. The centers manage collection of recyclable material & composting at UMPSA. Compost & Recycle Centre in UMPSA Pekan is equipped with rainwater harvesting and powered by solar energy. Both centers manage organic & inorganic waste in UMPSA.



This centre functioning as:

- Collection Centre: Recycling centers receive materials from others department inside UMPSA. Common recyclables include paper, plastics, metals, glass, and electronic waste.
- Sorting: Once collected, materials are sorted by type.
- Processing: After sorting, materials are cleaned and processed. For example, plastic might be shredded and melted, glass crushed and melted, and paper pulped. These processes turn recyclables into raw materials that can be used for manufacturing new products.
- Distribution: The processed materials are sold to manufacturers who use them to create new products, such as recycled paper, plastic bottles, metal cans, or construction materials.



Sustainable Development Centre (SDC) visits Tanah Makmur Berhad (TMB)

A delegation from the Sustainable Development Centre (SDC) and the Faculty of Industrial Management (FPI) of Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) recently visited Tanah Makmur Berhad (TMB) in KotaSAS Kuantan to discuss collaborative sustainability and ESG initiatives. TMB, a leading agricultural and property development company on the East Coast, engaged in discussions covering ESG reporting, biodiversity, decarbonisation, solar technology, electric vehicle usage, and drone technology. Both parties expressed interest in strengthening partnerships to promote sustainable practices.

TMB conveyed its intention to formalise the collaboration through a Memorandum of Understanding (MoU) with UMPSA, aiming to enhance synergy between academia and industry.

13 CLIMATE ACTION



**SDG
13**



SDG 13: CLIMATE ACTION



UMPSA ALAM COMMUNITY PROGRAMME PHASE 2 SUCCESSFULLY PLANTS 300 TREES AT RIMBA LESTARI

In raising awareness of the importance of forests for well-being and quality of life, as well as efforts to improve the ecosystem and biodiversity, Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) organized the UMPSA ALAM Community Program Phase 2 to foster a love for nature.

The program, organized by the Centre for Industry and Community Network (PJIM), was attended by around 60 participants, including postgraduate students from the Institute of Graduate Studies (PGA), UMPSA Library staff, as well as staff from the Security Division and the Centre for Property Development and Management (PPPH).

The program aims to enhance the university community's involvement in environmental conservation activities. With the involvement of students and staff in tree-planting activities, this program helps strengthen relationships among them and foster a spirit of cooperation in caring for the environment. A total of 300 trees were successfully planted through this program.

In addition, the program also provides a practical educational platform on the environment. Through this activity, participants can also learn firsthand about the tree-planting process and its benefits to the ecosystem. The program is expected to raise awareness to continue conserving and preserving the environment



STUDENT ASSOCIATION OF ANAK DARUL TA'ZIM (ISKANDAR) ORGANISES ISKANDAR ON TOUR 5.0 PROGRAMME

A total of 50 members of the Student Association of Anak Darul Ta'zim (ISKANDAR) Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) organised the Iskandar on Tour 5.0 programme in Johor Darul Takzim.

To support the UMPSA Sustainability Agenda, ISKANDAR also collaborated with the Centre for Sustainability Development (ESG/SDG) for the planting of 50 saplings in the Ayer Hitam Forest. Trees act as absorbers of carbon dioxide in the air and by planting more trees, can help improve the environment and can clean the air from excess carbon dioxide that can harm health.

This programme is one of the initiatives to bring students closer to the community while benefiting the community here. A programme will continue in the future to create awareness of the importance of a clean environment and foster community values among UMPSA students and the community while fostering the spirit of volunteerism in students and in turn they can be harmonious and have great personality.





UMPSA DISTRIBUTES FREE FOOD CONTAINERS TO MAKE THE SUSTAINABILITY INITIATIVE CAMPAIGN A SUCCESS

Sustainable Development Centre (SDC), UMPSA distributes food containers as an effort to raise awareness among its citizens about efforts to protect the environment to make the Sustainability Initiative Campaign a success in line with realizing the university's desire towards a Sustainable Campus.

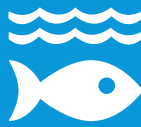
This programme is part of SDC's efforts to raise awareness among university students to value food and to make the Let's Takeaway campaign a success to encourage employees to bring their own food containers when purchasing in the bazaar as well as in shops and cafeterias.

This effort is a sign of support for the campaign to avoid the use of single-use plastic and one of the ways to preserve and conserve the environment while avoiding waste.

This effort will strengthen the culture of sustainable practices in the university to protect the environment and contribute to sustainable development.



14 LIFE BELOW
WATER



SDG
14



SDG 14: LIFE BELOW WATER



100 UMPSA, TMB, SWCORP, AND ALAM FLORA VOLUNTEERS CLEAN CHEROK PALOH BEACH THROUGH PLOGGING

A total of 100 volunteers comprising staff and students from Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA), Tanah Makmur Berhad (TMB), SWCorp Pahang, and Alam Flora participated in the UMPSA x TMB Plogging Program held at Cherok Paloh Beach, Kuantan. The activity aimed to promote beach cleanliness and foster a healthy lifestyle among the community while instilling a sense of environmental responsibility. The event aligned with the Sustainable Development Goals (SDGs) 13 (Climate Action), 14 (Life Below Water), 15 (Life on Land), and 17 (Partnerships for the Goals).

This program organized by SDC with the objective to bring together multiple stakeholders to clean the beach environment through a combination of jogging and waste collection, encouraging active participation in environmental preservation. This collaborative effort also highlighted the importance of educating future generations to maintain a clean and sustainable environment in areas frequented by the local community.



SDG 15: LIFE ON LAND



Kembara Prihatin @ Negeri di Bawah Bayu 2.0

Kembara Prihatin @ Negeri di Bawah Bayu 2.0 is one of the UMPSA Foundation's initiatives to engage with the community, particularly in the Tuaran, Sabah area, scheduled from 26 February 2024 to 3 March 2024. This program is carried out to fulfil social responsibility to the Sabah community by leveraging the university's expertise and technology, with the hope of improving their standard of living. This program is a continuation of the previous program that focused on the communities in Pulau Bum Bum and Pulau Mabul in the Semporna district, Sabah.



This programme consists of several clusters, including technology, education, community service, health, spirituality, and aid, with the current focus on the communities in Kampung Batangan and Kampung Kiwatu/Roun located in the Tuaran district, Sabah

In addition to providing practical assistance, this programme also aims to instil understanding and appreciation of the culture, customs, and traditions of the Sabah community. The UMPSA Foundation hopes to establish close collaborative relationships with various agencies and government bodies in the state of Sabah.





UMPSA Sustainable Travel with Community and Spread Education

UMPSA Sustainable Travel @Negeri under Bayu 3.0 successfully supported the development of the local community in addition to providing assistance and contributions to those in need through various activities according to clusters such as technology, community service, education, sustainability, spirituality, culture and contributions to the community.

“In the agricultural sector, 100 bottles of prebiotic fertilizer from UMPSA researchers’ innovations were distributed to local farmers to increase soil fertility and harvest yields. Meanwhile, 1000 pineapple mushroom blocks were distributed to the Taun Gusi community to produce mushrooms using pineapple industry waste as a sustainable approach that not only preserves the environment, but also opens up new economic opportunities for the local community.



16 PEACE, JUSTICE
AND STRONG
INSTITUTIONS



**SDG
16**



SDG 16: PEACE, JUSTICE & STRONG INSTITUTIONS



Excellence University Management System

Excellence in the University Management System refers to a standardized and structured governance mechanism aimed at serving as a control and monitoring framework for the administration of all key functions of the University. University management is based on the constitution, statutes and enforceable written laws, as well as circulars and government policies applied at UMPSA. In line with the Malaysia Education Development Plan (Higher Education) under Shift 6, which focuses on strengthening governance, a dynamic work environment, and the review and renewal of the management system, are required.

1. The main work processes of UMPSA, streamlined through process improvements;
2. The completion of the management systems for academics, research, students, administration, finance and the library.
3. The effectiveness of the management systems for academics, research, students, administration, finance and the library.

Disaster Action Committee

"...please ensure that all pre-disaster preparations such as asset and logistics equipment, human resource preparations, emergency aid kits and food aid baskets are at maximum readiness to face any eventuality.."

Source:

Letter from the Department of Higher Education

Preparations to Face the Disaster Crisis Due to the Northeast Monsoon (TML) Nationwide

Director-General of Higher Education, Datuk Professor Dr. Azlinda Azman dated 27 September 2024

Disaster Action Committee for the Year 2024

18

Subcommittee

2

Operations Room

- Mesyuarat JK Bertindak Bencana UMPSA Bil. 1 Tahun 2024
- Mesyuarat JK Bertindak Bencana UMPSA Bil.2 Tahun 2024



Submission of UMPSA Statues

The Statutes of Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) are made in accordance with the requirements stipulated under Section 35(1) of the Constitution of UMPSA to set out, among others, (i) the powers and duties of the officer of the University, (ii) the composition, powers, duties and procedures of the Authorities of the University, (iii) the determination of degrees, diplomas, certificates and other academic distinctions to be conferred by UMPSA, (iv) the management of the University's library, and (v) all other matters which under the Constitution of UMPSA may be regulated by statute.

The journey to prepare thirteen (13) Statutes began in 2014, led by the UMPSA Legal Department, and was successfully completed after a decade of effort. The process took time as it coincided with several amendments to the Universities and University Colleges Act 1971 (AUKU) and the contemporaneous considerations on the repeal of AUKU.

Throughout this period, the drafting of the Statutes underwent several stages, including consultations with stakeholders, refinement based on feedback, discussions with the Ministry of Higher Education, and engagement with the Istana, as KDYMM Tuanku Canselor was, at that time, the Yang di-Pertuan Agong.

Upon the consent of KDYMM Tuanku Canselor being obtained, the Statutes of UMPSA the Statutes of UMPSA were submitted to Percetakan Nasional Malaysia Berhad for gazetting, and were duly gazetted on 26 January 2024. The gazetting of the Statutes of UMPSA coincided with, and is significant to, the rebranding of Universiti Malaysia Pahang (UMP) as Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA).





INTEGRITY AND COMPLIANCE

Organizational Anti-Corruption Strategy (OACS) Book

The Organizational Anti-Corruption Strategy (OACS) is an Anti-Corruption Policy document at the organizational level of UMPSA, aimed at addressing governance issues, integrity concerns, and corruption within UMPSA.



The development of this OACS is a mandatory initiative under the National Anti-Corruption Plan (NACP) 2024 – 2028 and the Directive of the Prime Minister Series 2 No.1 of 2019 in strengthening the following strategy:

- Strategy 2: Strengthening the Efficiency of Public Service Delivery**
- Strategy 6: Fostering Good Governance in Corporate Entities**

The Organizational Anti-Corruption Plan, rebranded as the Organizational Anti-Corruption Strategy (OACS) for Public Universities, was emphasised in the Higher Education Department (JPT) Anti-Corruption Committee (JAR) Meeting No. 2/2023 held on 30 May 2023.



17 PARTNERSHIPS
FOR THE GOALS





SDG 17: PARTNERSHIP FOR GOALS

Industry and Community Collaboration

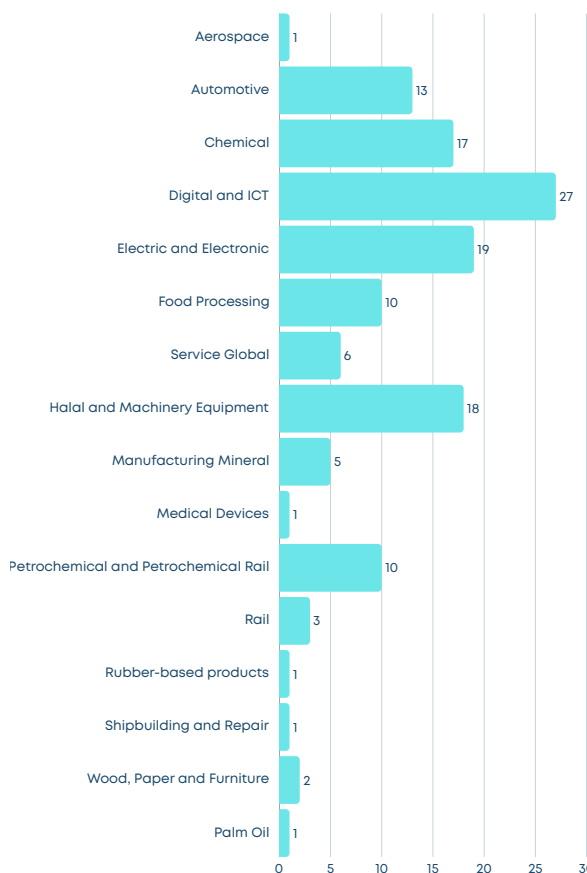
University-Industry Partnership Initiatives

	2023	2024
Active MoU	252	254
Active MoU	77	77
New MoA	51	92
New MoA	45	77

Number of University- Industry Division Activities

	2023	2024
Industrial Training	36	1550
Industrial Attachment	7	81
Industry Advisory Panel	33	72
Joint Research Activities	9	94
Industry Knowledge Transfer	3	120
Technology Transfer	3	90
ConsultancyProject	4	149

Industries Field/Area of Collaboration





Types of Community

- School/ College/ University Students
- School Teacher
- School Administrator
- The B40 Group
- Single Mother
- Local Community
- Non-Governmental Organization (NGO)
- Industry



Number of community programs

	2023	2024
STEM Education	33	3
Motivation	6	38
Sustainability	8	5
Madani Community	5	6
Professor reaches out to the community	20	47

Community Grant Approved in 2024

RM750,000.00

Total Numbers of Beneficiaries

*Increase of 246 percent in the number of beneficiaries

2023

5,493

2024

19,003





UniMADANI Project in Paya Bungor

The UniMADANI Project, which is being implemented under the supervision of Dr. Aizudin from Faculty of Chemical and Process Technology and Engineering (FTKPP), aims to utilize aquaponics technology as a source of income for the local community. This technology combines vegetable cultivation with fish farming in an interdependent system. This initiative is expected to strengthen the local community's economy and raise awareness about modern sustainable agricultural techniques.

Prepared by:
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