



**UMS**  
UNIVERSITI MALAYSIA SABAH

**UNIVERSITI MALAYSIA SABAH  
SUSTAINABLE DEVELOPMENT GOALS  
REPORT 2023**

*Leading Towards Innovative Societies*



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**Foreword by the**  
**Vice-Chancellor**

It is with great pride that I introduce Universiti Malaysia Sabah's ongoing commitment to sustainability, a commitment that is recognized in the esteemed Times Higher Education (THE) Global Impact Rankings. These rankings, which align with the United Nations Sustainable Development Goals (SDGs), celebrate universities that prioritize societal and environmental impact alongside academic excellence. By participating in the THE Global Impact Rankings, UMS affirms its dedication to creating positive change, not only within our community but on a global scale.



A university functions as a unique ecosystem—an intricate network of students, faculty, researchers, and staff, all contributing to a shared mission. Like any thriving ecosystem, it is vital that we sustain and nurture this environment to ensure each component flourishes. This interconnected structure fosters innovation, resilience, and growth, making sustainability not just a goal but a foundational principle of our institution.

At UMS, we have woven sustainability into the very fabric of our activities, from academics and research to community engagement. We understand that the challenges facing our world, from environmental degradation to social inequality, demand proactive, sustainable solutions. Our dedication to these principles enables UMS to be a leader in sustainability, both within Malaysia and beyond. It is my hope that through these efforts, UMS will continue to inspire and contribute to a sustainable future for all.

PROFESOR DATUK DR. KASIM HJ. MANSOR

# Preface

The 17 Sustainable Development Goals (SDGs), established by the United Nations, represent an ambitious global agenda for achieving peace, prosperity, and environmental sustainability by 2030. These goals, spanning areas such as climate action, quality education, and social equity, serve as a framework for addressing some of the most pressing challenges facing our world today. At Universiti Malaysia Sabah (UMS), we view these goals as guiding principles for our development, both academically and operationally. For us, the SDGs embody a commitment to the well-being of our students, staff, and the communities we serve, and we strive to reflect these values in all facets of our institution.

The Times Higher Education-Global Impact Rankings (THE-GIR) play a pivotal role in assessing universities worldwide in terms of their contributions to the SDGs. This ranking system evaluates universities on how well they align their policies, operations, and outreach with the SDGs, placing emphasis on sustainability and social responsibility. For UMS, being part of the THE-GIR signifies not only recognition of our achievements but also a clear directive to lead and inspire positive change.

Our commitment to the SDGs is deeply embedded in our strategic vision. We have established specific key result areas for sustainability within our Strategic Plan, a roadmap that includes initiatives such as our Green Campus goals. Under this framework, we prioritize a Zero Waste policy, effective waste management strategies, efforts to reduce our carbon footprint, and water conservation programs. Sustainability has been integrated across our curriculum, shaping future leaders and innovators with a clear understanding of sustainable practices. Initiatives like our landscape management and living labs, where students engage directly with sustainability challenges, are also instrumental in this mission.

Community engagement is central to our approach. We believe that by working collaboratively with local communities, we can make a broader impact, sharing our knowledge and resources to create solutions that are effective and meaningful. As UMS continues to enhance its roles in advancing the SDGs, we remain committed to creating an environment where every activity leads to tangible outcomes that contribute to a sustainable future.

This vision and our actions represent our dedication to making a positive difference—not only within our university but in the world beyond. We are proud of our progress and steadfast in our journey, and we look forward to contributing to the global mission of sustainability through all that we do.

**PROFESSOR DR. MOHAMMAD SAFFREE JEFFREE**  
Assistant Vice Chancellor (Strategic)



## **Leading Towards Innovative Societies**

### **VISION**

"Strives to be an innovative university of global standing."

### **MISSION**

UMS strives to achieve **academic excellence** and international recognition through its attention to learning and teaching, research and publications, **social services** and **balance in knowledge specialization**. The university also prioritizes the personal growth of its students, resulting in more significant innovation and productivity for the **benefit of society** and the nation as a whole.

### **VALUE**

Dynamic, Sustainable, Integrity, Justice, Happiness



# Introduction

This Sustainability Report from Universiti Malaysia Sabah (UMS) reflects our journey from January to December 2023. In it, we share the progress and milestones that bring us closer to our vision of becoming a world-class, innovative university. This report reflects our commitment to making a positive impact, locally and globally, through our actions to support the United Nations Sustainable Development Goals (SDGs). It's a story of how our university, our people, and our initiatives in shaping a more sustainable future for everyone.

Founded on November 24, 1994, UMS proudly stands as Malaysia's ninth public institution of higher learning. Our establishment was formalized through the Universiti Malaysia Sabah (Incorporation) Order 1994 and the Universiti Malaysia Sabah (Campus) Order 1994, gazetted on October 30 1994, under the Universities and University Colleges Act 1971. Since then, UMS has grown and thrived, driven by a solid commitment to sustainability.

Since its inception, UMS has committed to sustainability, supporting the United Nations Sustainable Development Goals (SDGs). Through educational programs, research, and community engagement, UMS aims to foster solutions to global challenges, positioning itself as a centre of learning dedicated to sustainable progress and innovation in Malaysia and beyond.



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**1** NO  
POVERTY

**End poverty in all its forms  
everywhere**

Sustainable Development Goal 1 (SDG 1) addresses poverty as a multidimensional issue, seeking to eradicate income poverty and tackle the broader dimensions of deprivation that prevent individuals and communities from leading dignified, productive, and fulfilling lives. SDG1 acknowledges that poverty is more than a lack of income; it encompasses limited access to education, healthcare, essential services, and susceptibility to economic and environmental shocks.

At Universiti Malaysia Sabah (UMS), we're committed to reducing poverty and creating opportunities for the most underserved communities through education, support, and targeted initiatives. The following programs demonstrate our dedication to SDG1 and highlight how educational access and support can make a transformative difference in breaking the cycle of poverty:

**Siswa Sulung 3.0 Program:** the Ministry of Higher Education Malaysia introduced the Siswa Sulung 3.0 program for government universities, aiming to support first-generation students from the B40 economic group (bottom 40% income households) to access higher education without financial burden. Universiti Malaysia Sabah implemented this program for 193 students in the 2024 intake. These students, who represent the first in their families to pursue higher education, receive full tuition support and academic counselling, helping them navigate the educational environment more easily. The program's baseline target at UMS is 298 students, which aligns with the Ministry's goal. Achieving this will further strengthen our reach to more B40 families. By providing these students with financial and academic support, UMS directly addresses SDG 1 by empowering individuals to pursue education, a vital tool in lifting themselves and their families out of poverty.

**MENITI Program:** UMS launched the MENITI program to offer a "second chance" for Sabah students from B40 households who faced setbacks securing admission to Public Universities (UA)

through the UPUOnline system. This initiative opens doors for those who may have been initially excluded from tertiary education, providing an alternative pathway to pursue their studies. By allowing these students to enrol in higher education and pursue their academic and career goals, the MENITI program tackles one of the root causes of poverty: limited access to education. It ensures that students who otherwise would not have had a chance are given the support needed to achieve their aspirations and contribute positively to their communities.

**Research on the Readiness of B40 Sabah Rural Students for University:** In 2023, UMS published a research paper titled "The Readiness of B40 Sabah Rural Students to Enter University: A Preliminary Overview" in the Southeast Asia Psychology Journal. This study offers valuable insights into the motivations and challenges faced by B40 students in rural Sabah when considering higher education. It identified two primary groups among these students: those who actively aspire to attend university and those who do not. The research sheds light on the reasons behind each group's intentions. It highlights a significant difference in family support dynamics based on gender, with boys and girls receiving varying degrees of encouragement to pursue their educational ambitions. This finding is particularly relevant for policymakers, underscoring the need for tailored support systems that address these nuanced barriers. By informing policies that foster educational attainment among B40 families, this research contributes to SDG 1 by promoting targeted interventions that support educational access and empower students from disadvantaged backgrounds to break free from the cycle of poverty.

**UMS Food Assistance Program:** UMS offers its students essential food assistance, focusing on low-income and in-need individuals. Through initiatives like the campus food bank, UMS ensures that students facing financial hardship can access nutritious meals. This program provides immediate relief by addressing food insecurity, helping

students focus on their academic and personal growth without the added stress of hunger or inadequate nutrition. Such support is crucial for B40 students, for whom consistent access to basic needs like food can hinder educational success. This initiative directly supports SDG 1 by alleviating poverty-related stressors and fostering a supportive environment where students can thrive and work towards improving their future economic prospects.

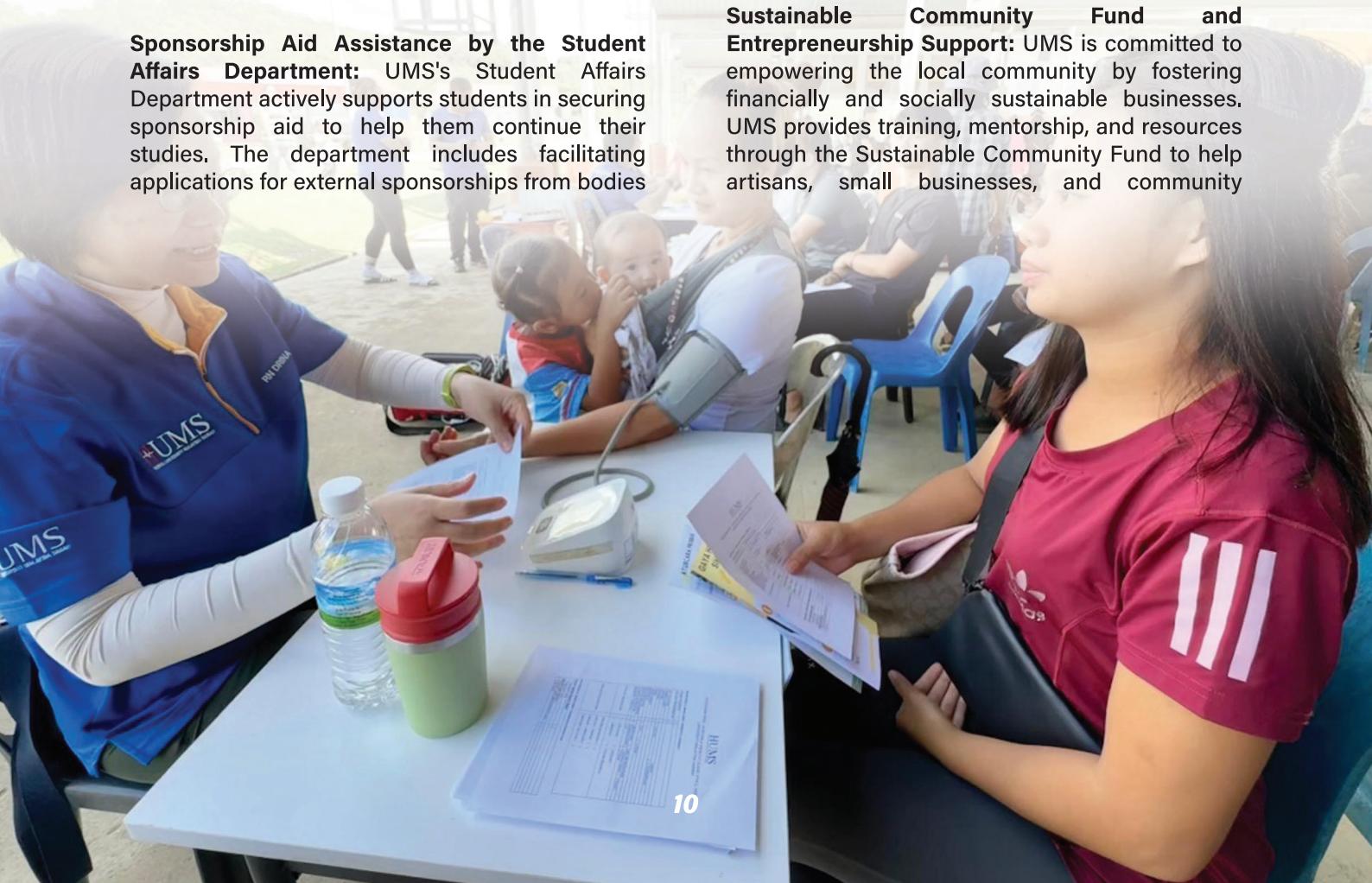
**Provision of Free Transportation Facilities for UMS Students:** Universiti Malaysia Sabah (UMS) offers free transportation services to all its students, including non-resident students. In 2023, UMS expanded this service by adding eight new buses at RM4.9 million, enhancing accessibility and comfort for the university community. This initiative ensures that students, particularly those from low-income (B40) backgrounds, have a reliable means of transportation, reducing the financial burden of commuting to campus. This service contributes directly to SDG1 by promoting educational equity. It allows students from all economic backgrounds to participate fully in campus life and focus on their studies, ultimately supporting their journey out of poverty through educational attainment.

**Sponsorship Aid Assistance by the Student Affairs Department:** UMS's Student Affairs Department actively supports students in securing sponsorship aid to help them continue their studies. The department includes facilitating applications for external sponsorships from bodies

like PTPTN and Yayasan Sabah, ensuring that students who need financial support can access resources beyond the university's provisions. By bridging students with potential sponsors, UMS helps reduce the economic barriers to education, making it possible for B40 students to pursue their degrees without interruption. This initiative aligns closely with SDG 1 by providing financial stability to underprivileged students and enhancing their chances of completing higher education, a critical pathway out of poverty.

**UMS Financial Aid Program:** In addition to external sponsorships, UMS has implemented its financial aid initiative to support students from low-income (B40) households. Eligible students at UMS who come from B40 families who lack other sponsorships and face difficulty paying fees can apply for direct financial assistance by filling out the Financial Aid Application Form (Scholarship Without Nominee). The targeted financial aid ensures that students without sponsors are not left behind due to financial constraints. By directly addressing the tuition needs of disadvantaged students, this initiative makes education more accessible, supporting SDG 1's aim to alleviate poverty through educational opportunities.

**Sustainable Community Fund and Entrepreneurship Support:** UMS is committed to empowering the local community by fostering financially and socially sustainable businesses. UMS provides training, mentorship, and resources through the Sustainable Community Fund to help artisans, small businesses, and community



entrepreneurs thrive. The university's knowledge transfer programs, such as digitalization training for local product sales, enable local businesses to reach broader markets, promoting economic resilience. Programs like Bengkel Parang and Pengindahan Tagal focus on preserving traditional crafts while adapting them for modern markets. The UMS Faculty of Business Economics and Accounting offers initiatives to support local startups, providing entrepreneurship and business development expertise. These efforts build sustainable growth, economic independence, and resilience within the community, reinforcing SDG 1 by helping to create long-term financial stability for individuals and families.

**Knowledge Transfer Projects in the 2023 Trans Borneo Program:** Universiti Malaysia Sabah (UMS) made a positive impact in the rural community of Kampung Long Pasia, Sipitang, Sabah, through ten knowledge-sharing projects in the 2023 Trans Borneo Program. In partnership with the Ministry of Higher Education's KRIS program, UMS Hospital, and the UMS Four-Wheel Drive Volunteer Club, UMS engaged 90 participants and reached 200 local villagers and

students. These projects focused on sharing practical skills, health knowledge, and educational support to empower residents. By providing valuable tools and information, UMS helped boost community resilience, improve livelihoods, and reduce social inequalities—contributing directly to SDG 1. This program showcases UMS's commitment to supporting rural communities and reducing poverty through hands-on, educational outreach.

**Economic Insights and Strategic Direction for Poverty Alleviation in Sabah:** UMS Vice Chancellor Prof. Dr. Kasim Mansur, an economist and Sabah Economic Council member, addresses Sabah's growth challenges, focusing on socio-economic issues, workforce needs, and human capital. By linking these with economic theories, he highlights ways to support government initiatives like the Sabah Development Corridor (SDC) and National Key Economic Area (NKEA) and advocates for zakat as a tool for poverty reduction. His insights support SDG 1 by promoting sustainable growth, job opportunities, and reduced inequality, helping to build a more inclusive economy for Sabah.





2 ZERO  
HUNGER


## End hunger, ensure food security, improve nutrition, and promote sustainable farming

Sustainable Development Goal 2 (SDG2), "Zero Hunger," is a global pledge to end hunger, ensure food security, improve nutrition, and promote sustainable farming for a fairer and healthier world. Hunger and malnutrition impact millions, especially in vulnerable communities where poverty and environmental challenges worsen food insecurity. Achieving SDG2 means ensuring that everyone, regardless of location or background, has reliable access to nutritious food and that communities are equipped to produce food sustainably and adapt to challenges.

In 2023, Universiti Malaysia Sabah (UMS) took significant steps to contribute to SDG2 by addressing the unique food security challenges faced by communities in Malaysia through the following initiatives:

**Food Bank Program:** The University of Malaysia Sabah (UMS) Food Bank program is a crucial initiative supporting students facing financial hardships or other barriers to food access. This program directly alleviates hunger by providing essential food supplies, allowing students to focus on their studies and overall well-being without the stress of food insecurity. Students can easily apply through the university's website, ensuring that help is accessible, inclusive, and dignified. This initiative promotes food security on campus, directly contributing to SDG2 by addressing immediate hunger needs and fostering a supportive educational environment.

**Affordable and Nutritious Campus Meals:** Beyond the Food Bank, UMS offers balanced meals for students at an affordable ceiling price of RM3.50 (under USD1.00). This subsidized meal program enables students to access nutritious food daily, reducing food insecurity on campus.

**Vegetarian Options and Campus Agriculture:** To promote healthy, sustainable choices, UMS food operators offer vegetarian meal options. The UMS

PETIK initiative has also established ten greenhouses equipped with hydroponic systems, providing fresh vegetables and fruits to campus cafeterias. This sustainable agriculture effort supplies fresh, nutritious produce to the campus community. It educates students on sustainable farming methods, empowering them to support local food systems and advancing UMS's commitment to SDG2.

**Campus Cafeterias and Food Accessibility:** The University of Malaysia Sabah (UMS) has partnered with several agencies to provide quality catering services across campus, including residence halls, to ensure convenient access to nutritious, affordable meals for all students. With five cafeterias on the main campus, students have diverse food options, including Malay, Chinese, Indian, and Western cuisine, catering to different tastes and dietary preferences. These cafeterias offer students a comfortable, relaxed environment with reasonable prices, supporting food accessibility and affordability, which are critical components of food security in line with SDG2. UMS also prioritizes hygiene and price control in these facilities, ensuring that campus food remains safe and accessible.

**Empowering Local Food Security through Sustainable Aquaculture:** UMS actively promotes food security and sustainable aquaculture practices within the community. Through the Borneo Marine Research Institute (BMRI), UMS advances research and development focused on marine conservation and sustainable aquaculture. BMRI's work includes preserving marine ecosystems and developing sustainable seafood production practices shared with local food producers and operators. BMRI's initiatives significantly impact SDG2 by empowering local communities with essential knowledge and skills in aquaculture, enhancing local food security, and fostering sustainable practices. Through programs such as aquaculture workshops and stock

enhancement initiatives, BMRI engages with the community, directly supporting food security and resilient food systems.

**Workshop on Sustainable Aquaculture:** UMS further supports sustainable food production through educational initiatives like the "Sustainability & Quality of Grouper Aquaculture Production from Seed to Fillet" workshop. This hands-on workshop provides local fish farmers and industry participants with critical skills in sustainable aquaculture practices, from the earliest stages of production to market-ready products. This initiative aligns with SDG2 by promoting sustainable practices in food production, increasing local food security, and ensuring that aquaculture remains a viable and responsible food source for the community.

**Faculty of Sustainable Agriculture in Sandakan, Sabah:** The Faculty of Sustainable Agriculture at UMS in Sandakan is committed to training future professionals in crop production, livestock production, horticulture and landscaping. With a focus on sustainability, awareness, and high technology, the faculty is actively advancing Malaysia's agricultural sector. Through its

comprehensive approach that combines teaching, research, innovation, and extension, the faculty imparts the latest agricultural knowledge and emphasizes sustainable practices that align with SDG2 goals. By equipping students and future agricultural professionals with skills in sustainable farming, the faculty helps ensure a more resilient, sustainable, and food-secure future for Malaysia, directly contributing to food security and sustainable agriculture.

**Prioritizing Local Product Procurement:** UMS actively supports the Malaysian government's "(KBBM)" by prioritizing the purchase of local products. This campaign is crucial in balancing the pressures of economic globalization and strengthening domestic economic growth. By choosing locally-produced goods, UMS contributes to food security, as supporting local agriculture reduces dependence on imported foods, stabilizes local food systems, and promotes sustainable local supply chains. This commitment not only boosts the Malaysian economy but also aligns with SDG2 by supporting sustainable food systems that are resilient and responsive to local needs.








**3 GOOD HEALTH AND WELL-BEING**

**Ensure healthy lives and promote well-being for all**

Sustainable Development Goal 3 (SDG 3) aspires to ensure health and well-being for everyone, regardless of age, background, or circumstance. This goal addresses some of the most fundamental needs in our society—preventing disease, ensuring access to healthcare, supporting mental health, and safeguarding future generations from preventable health issues. At Universiti Malaysia Sabah (UMS), we understand that promoting health and well-being is not just about medical interventions but about building a society where everyone can live a healthy, fulfilling life.

In 2023, UMS deepened its commitment to SDG 3 by actively engaging in initiatives that resonate with our diverse communities. From running grassroots health programs to advancing medical research, our efforts extend across rural villages, urban communities, and within our university, reaching those who need it most. Our work includes:

**Building Strong Health Partnerships for Lasting Impact:** Universiti Malaysia Sabah (UMS) is partnering with national and international institutions to improve health outcomes in Sabah and beyond. These collaborations cover essential areas like clinical services, surgery, nursing, public health, infectious diseases, and molecular testing, directly supporting SDG 3's goal of promoting health and well-being for all.

**UMS as a Research Center for Monkey Malaria:** Recognized by the Ministry of Health (MOH) and the World Health Organization (WHO), UMS has become a research hub for studying Monkey Malaria. This disease poses unique health risks in the region. This research is helping identify ways to prevent and treat the disease, creating a healthier future for at-risk communities.

**Rural Medical Education Center (RMEC):** stands as a beacon of healthcare, education, and community support in Sikuati, Kudat, approximately 180 km north of the main UMS campus. Situated on a 20-acre site, RMEC offers a comprehensive range of facilities, including a

clinic, administrative offices, accommodation for students and staff, and a multi-purpose hall to serve the region's healthcare needs. RMEC significantly advances SDG3 by providing accessible healthcare, educating future healthcare providers, conducting impactful research, and fostering health awareness in rural areas. RMEC's services help reduce health inequities, improve the quality of life for underserved populations, and create a sustainable healthcare model that places community well-being at the forefront.

**UMS Sports Centre:** a hub for building a healthy, active community at Universiti Malaysia Sabah and across the wider region. The centre has various sports facilities and equipment, encouraging students, staff, and the surrounding Sabah community to embrace physical fitness and wellness. By offering guidance and support for student sports clubs, associations, and activities, the UMS Sports Centre creates an environment where everyone can pursue an active lifestyle. By encouraging physical activity and wellness, the UMS Sports Centre directly supports SDG 3's goal of ensuring healthy lives and promoting well-being for all.

**Polyclinic UMS:** dedicated to supporting staff and students' well-being by providing essential sexual and reproductive healthcare services in a safe, accessible environment. By providing specialized, accessible reproductive healthcare and education, Polyclinic UMS directly supports SDG 3's goal of ensuring healthy lives and promoting well-being for all. This initiative helps reduce health disparities, improve reproductive health, and promote responsible, informed healthcare decisions among young adults. In doing so, Polyclinic UMS fosters a campus environment where students feel supported, empowered, and equipped to take charge of their health.

**Hospital UMS:** By offering accessible health care and counselling services, Hospital UMS plays a vital role in promoting SDG 3's objective of ensuring healthy lives and fostering well-being. This initiative reduces mental health stigma,

encourages early intervention, and empowers UMS communities to build resilience, all contributing to a healthier, more supportive campus. UMS is helping students/staff reach their fullest potential in their personal and academic lives through these services.

**Accessible Counseling Services at UMS:** UMS offers counselling sessions to all staff and community members, providing a safe, welcoming space for individuals to seek support in their personal and professional lives. Available on weekdays from 9:00 am to 12:30 pm and 2:30 pm to 4:30 pm, these sessions are led by registered counsellors trained to address a range of topics, from personal guidance to marriage and family counselling, as well as career and life planning. UMS's counselling services significantly contribute to SDG 3 by promoting mental health and emotional well-being for all. By providing accessible, professional support, the clinic helps individuals develop the skills they need to navigate life's challenges and thrive in their personal and professional roles.

### Strengthening Health Outcomes through Strategic Partnerships In three key critical areas



#### Clinical Services and Surgical Advancements

- partnering with renowned medical institutions
- expanded its capacity to deliver specialized healthcare, including surgery and advanced clinical services, to underserved communities in Sabah

#### UMS Champions a Smoke-Free Environment for

**a Healthier Community:** In alignment with Malaysia's Control of Smoking Products for Public Health Act 2024 (Act 852), Universiti Malaysia Sabah (UMS) has swiftly adopted new regulations designating the campus as a smoke-free zone. This initiative promotes a culture of health on campus, reducing exposure to secondhand smoke and supporting a tobacco-free lifestyle. In addition to the physical benefits, a smoke-free campus encourages the entire UMS community to prioritize well-being and consider healthier habits. UMS is making a meaningful contribution to SDG 3 by enhancing air quality, reducing health risks, and fostering a culture of health awareness. This policy helps lower the incidence of smoking-related diseases, contributing to a healthier, more vibrant community where everyone can thrive in a supportive, smoke-free environment.



#### Nursing and Healthcare Training Programs

- pUMS has developed robust training programs for nurses and healthcare practitioners in collaboration with healthcare partners.



#### Public Health and Infectious Disease Initiatives

- actively involved in public health initiatives, including education and awareness campaigns
- bolstered preventive health efforts, empowering local communities to adopt healthier practices and reducing the prevalence of preventable diseases.

#### Impact and key feature

##### Advancing Knowledge through Research

- Critical studies on how Monkey Malaria spreads and ways to protect people.
- It provides valuable insights that can reduce infection rates and improve the health of affected communities.

##### Enhancing Disease Surveillance

- With support from WHO and MOH, UMS is strengthening disease tracking and response in Sabah and nearby areas.
- A proactive approach helps catch potential outbreaks early, allowing quicker, more effective responses and protecting public health.

https://www.ums.edu.my/fpsk/index.php/collaboration/industries

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HOSPITAL UNIVERSITI MALAYSIA SABAH

**POLIKLINIK UMS**  
HOSPITAL UNIVERSITI MALAYSIA SABAH

**MENCARI KLINIK PANEL UNTUK ORGANISASI ANDA?**  
KAMI SEDIA MEMBANTU

**PERKHIDMATAN YANG DITAWARKAN**

- X-RAY
- ULTRASOUND
- ELECTROCARDIOGRAM (ECG)
- UJIAN DARAH
- RAWATAN UNTUK PENYAKIT BIASA
- RAWATAN UNTUK PENYAKIT KRONIK
- CTH: HIPERTENSI, DIABETES DAN LAIN-LAIN
- PEMERIKSAAN ANTENATAL
- PERANCANGAN KELUARGA
- IMUNISASI AM UNTUK SEMUA PERINGKAT UMUR
- VAKSINASI UNTUK HAJI, UMRAH, PENGENDALI MAKANAN DAN SEBAGAINYA
- PROSEDUR PEMBEDAHAN KECIL
- SARINGAN KESIHATAN
- PEMERIKSAAN KESIHATAN PEKERJAAN
- PEMERIKSAAN KESIHATAN

**TRANSFORMING HEALTHCARE**

**WAKTU OPERASI**

ISNIN-JUMAAT	: 8.00 PAGI - 10.00 MALAM
SABTU	: 8.00 PAGI - 5.00 PETANG
AHAD & CUTI UMUM	: 8.00 PAGI - 1.00 PETANG

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**4** QUALITY EDUCATION


## Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all.

Education is recognized globally as a powerful catalyst for individual empowerment, social equity, economic progress, and environmental sustainability. It equips individuals with the knowledge, skills, and competencies needed to contribute to society and foster innovation, which are fundamental for sustainable development.

In 2023, UMS's contributions towards SDG4 have had a substantial impact, addressing critical issues such as gender equality in education, supporting marginalized communities, integrating sustainable development in educational programs, and advancing lifelong learning. The activities and initiatives are:

**Free access to campus educational resources:** UMS is expanding educational opportunities beyond its student body by offering the public free access to academic resources. Individuals outside the university can access a vast range of library resources through a visitor ID, as outlined in the UMS Library Services and Facilities Policy. This initiative significantly broadens the reach of quality education, aligning with SDG4's inclusive and equitable learning goal. By welcoming external learners into its knowledge ecosystem, UMS empowers community members, lifelong learners, and underserved populations with the necessary resources to grow, develop skills, and engage in meaningful learning.

**Empowering Lifelong Learning by UMSFlec:** This program equips participants with the knowledge and confidence needed to excel in the MUET on Demand Exam. It provides a direct pathway for individuals seeking to improve their English proficiency. It is an executive education program aimed at empowering the public with essential language skills—the MUET (Malaysian University English Test) Preparatory Course. By offering accessible language training, UMS actively contributes to SDG4, promoting inclusive and equitable quality education. This initiative opens doors to further education and employment

opportunities, enabling participants to develop crucial communication skills and succeed in academic and professional pursuits.

**Smart-space and student-centred learning project:** As of December 2023, SMART SPACE Phase II has been completed and is fully operational across 10 locations. It includes four (4) Smart Classrooms located in the libraries of FPL, FPP, FSSA, and FSMP, as well as six (6) Student-Centred Learning spaces at JTMK, PPIB, JHEP, FPSK, FKI (Main Campus), and FKJ. Completing these SMART SPACES reflects a significant commitment to advancing SDG4 by providing high-quality, inclusive, and adaptive learning environments. The Smart Classrooms have cutting-edge technology, fostering interactive and engaging learning experiences. At the same time, the Student-Centred Learning spaces empower students to take control of their educational journey, promoting active learning and collaboration.

**Bridging Knowledge and Health through Health Promotion Program:** The Faculty of Medicine at Universiti Malaysia Sabah (UMS) launched an impactful Health Promotion Program, engaging 87 first-year and 28 second-year medical students in a hands-on educational experience. This program was designed to give students early exposure to the diverse factors affecting health in local communities, fostering a deeper understanding of community health needs. Spanning five villages in Kundasang District—Kg Bundu Tuhan, Kinasaraban, Pinosouk, Dumpiring Bawah, and Semuroh—and five more in Ranau District—Kg Kinapulidan, Lohan Ulu, Marakau, Tagudon Baru, and Silou—students worked together to plan and implement targeted health promotion activities.

UMS students gained invaluable insights into real-world health challenges through this outreach, strengthening their commitment to improving public health and deepening connections between UMS and these rural communities. Residents

benefited from engaging in health talks, basic health screenings, and early interventions by UMS medical specialists, empowering them with knowledge and resources for better health. This initiative advances SDG4 by providing quality education through community engagement and promoting well-being, building a foundation for sustainable health improvements in underserved areas.

**Annual Ocean Celebration:** The Borneo Marine Institute at Universiti Malaysia Sabah proudly hosted the annual Ocean Celebration, a vibrant tribute to our oceans' beauty and critical

importance. This inspiring event invited participants to dive into the wonders of marine life, explore ocean-themed activities, and engage in enriching discussions with leading experts in marine conservation. Attendees could witness interactive demonstrations and discover meaningful ways to take action for ocean preservation. Through this initiative, UMS not only honours the ocean's role in our ecosystem but also fosters awareness and responsibility in the community, amplifying its commitment to SDG4 by creating opportunities for lifelong learning about marine stewardship.



## MUET ON DEMAND Open For Registration -DECEMBER 2024 SESSION-

"open for ums student and public"



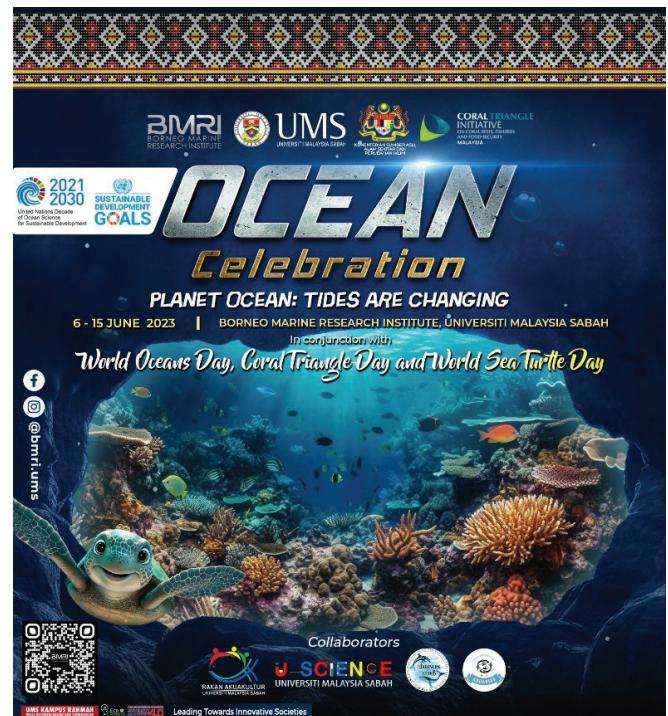
**RM380  
(Malaysian)**  
Fee consist of MOD Fee RM250 and UMS Admin Fee RM130

**RM700  
(Non-Malaysian)**  
Fee consist of MOD Fee RM550 and UMS Admin Fee RM150

**Scan QR CODE  
To Register**

**Closing Date :**  
**31st October 2024**

088-329380 0108352594







**CPD POINTS TO BE AWARDED**

## WOMEN HEALTH SYMPOSIUM

**FERTILITY AND WOMEN'S HEALTH, WHAT'S IMPORTANT FOR GENERAL PRACTITIONERS?**

**8.00AM - 4.30PM**  
**Saturday**  
**19th August 2023**  
**Mini Library Auditorium, UMS**

**SPEAKERS:**

- Prof. Dr. Helen Lasimbang, Director HUMS, Consultant Obstetrician & Gynaecologist
- Dr. John Teo, Consultant Obstetrician & Gynaecologist

Please make the payment fee of **RM80/delegate** to the following account:

Bank: **Maybank**  
 Account Holder: **Kelab Kebajikan dan Rekreasi Kakitangan HUMS**  
 Account Number: **560232138353**  
 Reference: **Women Health Symposium**

**Scanning QR code to pay:**

**Scanning QR code to register:**

**For more information, contact us @ 010 714 1545**

**PROGRAMME:**

- 8.00am : Registration
- 9.00am : The ABC Of Assisted Reproduction, what's new?  
Dr. Cheong Yee Tsing
- 9.40am : Vitamins and Supplements for fertility enhancement, what's the evidence?  
Datuk Dr. M. Hatta Tarmizi
- 10.20am : Tea break**
- 10.40am : Pre Implantation Genetic Testing & IVF, how important is it?  
Datuk Dr. M. Hatta Tarmizi
- 11.20am : Adolescent menstrual disorder  
Dr. Ana Vetriana
- 12.00pm : Myths of Fibroids and Subfertility  
Dr. Ana Vetriana
- 12.40pm : Afternoon break**
- 1.40pm : Pap smear and HPV testing, management strategies  
Prof. Dr. Helen Lasimbang
- 2.20pm : Hormone replacement therapy, current recommendations  
Dr. Cecilia Loh
- 3.00pm : Endometriosis, what GP need to know?  
Dr. Cecilia Loh
- 3.40pm : A Paradigm shift in Contraception  
Dr. John Teo
- 4.20pm : Tea break and Q&A session**
- 4.30pm : End

**SPEAKERS:**

- Datuk Dr. M. Hatta Tarmizi, Consultant Obstetrician, Gynaecologist & Fertility Specialist
- Dr. Cheong Yee Tsing, Consultant Obstetrician, Gynaecologist & Fertility Specialist
- Dr. Cecilia Loh Yoke Ling, Consultant Obstetrician, Gynaecologist
- Dr. Ana Vetriana Abd Wahab, Consultant Obstetrician & Gynaecologist, Specialist in Reproductive Medicine, Paediatric & Adolescent Gynaecologist

**5 GENDER EQUALITY**


## Achieve Gender Equality and Empowering All Women and Girls

Sustainable Development Goal 5 (SDG 5), established by the United Nations, seeks to achieve gender equality and empower all women and girls globally. This goal recognizes that gender equality is a fundamental human right and a foundation for a peaceful, prosperous, and sustainable world. SDG 5 targets a range of objectives, including eliminating violence against women and girls, ending gender-based discrimination, ensuring equal opportunities in leadership, and addressing issues related to unpaid care and domestic work. Additionally, it advocates for policies that enable women to participate fully and equally in all spheres of life, enhancing their social, economic, and political influence.

Universiti Malaysia Sabah (UMS) has been actively committed to advancing gender equality in its policies and programs. UMS has made significant strides in empowering women and promoting gender-sensitive practices across the campus and beyond through education, research, community engagement, and policy advocacy initiatives. These efforts contribute meaningfully to the local, national, and international progress toward SDG 5 as presented:

**UMS Women Health Symposium empowers Healthcare for Women's Needs:** On August 19, 2023, the Women Health Symposium was held at Universiti Malaysia Sabah (UMS) to educate general practitioners on critical issues in women's health, especially around fertility and reproductive care. The event, attended by over 100 healthcare professionals, featured expert speakers like Prof. Dr. Helen Lasimbang and Datuk Dr. M. Hatta Tarmizi, covering topics such as assisted reproduction, hormone therapy, menstrual health in adolescents, and managing conditions like fibroids and endometriosis. The Women Health Symposium was a significant step in advancing SDG 5, as it equips healthcare providers to better serve women. Through improved knowledge, greater awareness, and a commitment to quality care, this program empowers both healthcare professionals and the women they serve, promoting a future where all women have access to the healthcare and support they deserve.

**The 3000 Steps Challenge:** A health initiative encouraging physical activity among UMS staff and students. The program promotes inclusivity in health and fitness activities, ensuring that all participants, regardless of gender, have equal opportunities to participate in wellness initiatives. It reinforced UMS's commitment to gender equality by creating a supportive, inclusive environment. By empowering all participants to engage in health activities, this program advances SDG 5, supporting equal health opportunities and fostering a sense of unity and equality within the campus community.

**An educational trip by Kelab Suri Rumah dan Staf Wanita (KESUMBA):** A five-day program (July 25-29, 2023) at Yogyakarta, Indonesia, organized for staff members, especially those in KESUMBA, a chance to learn and grow through cultural immersion. Participants explored historical and cultural landmarks, including temples and museums, which enriched their understanding of Indonesian heritage and strengthened bonds within the UMS community. Furthermore, the trip provided a platform for women staff members to travel, learn, and engage in meaningful networking outside their usual environment. This empowerment through exposure helps build confidence and can inspire women to take on more active roles within the university and beyond. The program supports SDG 5 by promoting equal opportunities and strengthening a community where every member is valued and empowered.

**Merdeka Power Walk:** The KESUMBA Merdeka Power Walk was held on August 29, 2023, as part of Malaysia's National Day celebrations. The event encouraged physical fitness, camaraderie, and patriotism among participants, promoting an active and connected community at UMS. The event was open to all staff, creating an inclusive platform where both men and women could equally participate in a healthy and patriotic activity. By organizing a community fitness event, the program encourages women to participate in physical activities, which can sometimes be limited due to societal expectations. The walk fostered camaraderie and unity among participants, promoting a supportive environment that values all

genders equally. By creating an inclusive platform for all staff, the program supports SDG 5, promoting equal opportunities and fostering a supportive community that values gender equality and empowers all participants.

**Health Awareness Program on Vitamins & Supplements:** focused on educating participants about vitamins and supplements, providing valuable insights into their types, benefits, and appropriate usage. The session was conducted by experts from the Pharmaceutical Services Division of the Labuan Health Department to promote healthier lifestyle choices among UMS staff. This awareness program encouraged staff to make informed decisions regarding their health and well-being, fostering a knowledgeable and health-conscious community. By providing equal

access to health education, the program contributes to SDG 5 by fostering a supportive, gender-equal environment in health awareness and empowering both men and women to make proactive, informed choices about their well-being.

**Roll & Bounce program for physical activity and community bonding through roller skating:** On 2-3 Dec 2023, where staff, students, and residents came together to enjoy a weekend of fun and fitness. Roller skating equipment was available for rent, and instructors were present to guide beginners. This inclusivity helps break down gender stereotypes around sports and recreational activities. It also provides a safe and welcoming environment for all and encourages women to engage more actively in sports, promoting confidence and health.




**“**

**Tarikh Aktiviti : 04**  
**September 2023 (Isnin)**  
**Disediakan Oleh: Biro**  
**Penerangan & Perhubungan**  
**KAL**

Pihak KESUMBA KAL telah menjemput pihak Bahagian Perkhidmatan Farmasi Wilayah Persekutuan Labuan untuk datang bagi menyampaikan satu ceramah kesihatan bertajuk 'Health Awareness: Vitamins & Supplements'.

Anjuran dari Biro Pendidikan & Latihan ini adalah bertujuan untuk memberi kesedaran kepada ahli KESUMBA KAL khususnya serta warga UMSKAL dalam pengambilan ubat dan mengenali jenis-jenis ubat yang ada di pasaran tempatan. Di akhir program, pihak Bahagian Perkhidmatan Farmasi Wilayah Persekutuan menjemput agar warga UMSKAL menjadi salah seorang duta ubat di peringkat Wilayah Persekutuan Labuan.





## 6 CLEAN WATER AND SANITATION



### Ensure access to clean water and sanitation for everyone

Sustainable Development Goal 6 (SDG 6) ensures clean water and sanitation access. Clean water is vital for health, education, economic growth, and the environment. As climate change and population growth put increasing pressure on water resources, the need for sustainable water management becomes more urgent. SDG 6 addresses these challenges by promoting effective water use, improving sanitation facilities, and protecting water ecosystems.

At Universiti Malaysia Sabah (UMS), the commitment to SDG 6 is clear and impactful. UMS makes a difference through innovative research, active community engagement, and educational programs tackling local water and sanitation challenges. With a focus on accessible and sustainable solutions, UMS helps communities secure reliable access to clean water and safe sanitation services. In 2023, several activities and initiatives are:

**Sustainable Water Management at UMS by Harnessing Underground Water for Campus Needs:** Universiti Malaysia Sabah (UMS), situated on a sprawling main campus of approximately 999 acres with 70% developed, accommodates nearly 20,000 people daily. With this high population density, the campus requires 3 to 5 million litres of water daily. To meet this substantial demand sustainably, UMS has implemented an innovative solution by installing six tube wells across the campus tapping into underground water sources. This tube well system provides an essential supplementary water source alongside treated water supplied by the Sabah State Water Department (JANS). By diversifying its water supply, UMS reduces dependency on external sources and enhances the resilience and reliability of its water resources.

**Partnership for Compliance and Environmental Stewardship:** The Sabah State Water Department (JANS) is partnering with Universiti Malaysia Sabah's (UMS) technical management division to regulate water pressure across the UMS campus.

This collaboration ensures the water supply remains stable and uninterrupted, enhancing accessibility and reliability for the campus community. By collaborating with government agencies, NGOs, and international partners, UMS is influencing policies that support sustainable water use across Malaysia. UMS enhances local well-being through these efforts and contributes to broader, long-term solutions that can inspire others globally. This commitment to SDG 6 reflects UMS's dedication to building a future where everyone has access to clean, safe water.

**Health Synergy Programme to Rural Communities at Long Pasia:** through its Master of Public Health (MPH), students from the 2023/2024 cohort recently led a Healthy Synergy Programme in Kg. Long Pasia, Sipitang, focused on promoting healthy lifestyles and improving community well-being. This impactful initiative aligns with SDG 6 by emphasizing the importance of clean water, sanitation, and health education. One key aspect of the program was a focus on hygiene and safe water practices, directly supporting SDG 6. Workshops emphasized hand hygiene and proper sanitation, helping the community understand the importance of clean water in preventing illness. The initiative also featured free haircuts, children's colouring contests, traditional food cooking competitions, and other community-centred activities, creating a lively and supportive environment for learning and connection.

**Building a Water-Conscious Community:** UMS has taken a hands-on approach to SDG 6 through research and community programs and by instilling sustainable practices within its campus. Recognizing the importance of water conservation, UMS has launched a campus-wide initiative to prevent water waste. This initiative actively involves the campus community in safeguarding water resources, especially when the water supply is restored. Staff and students ensure that taps are closed and any faulty pipes or flush systems are quickly reported and repaired, minimizing wastage and reinforcing a culture of responsibility.

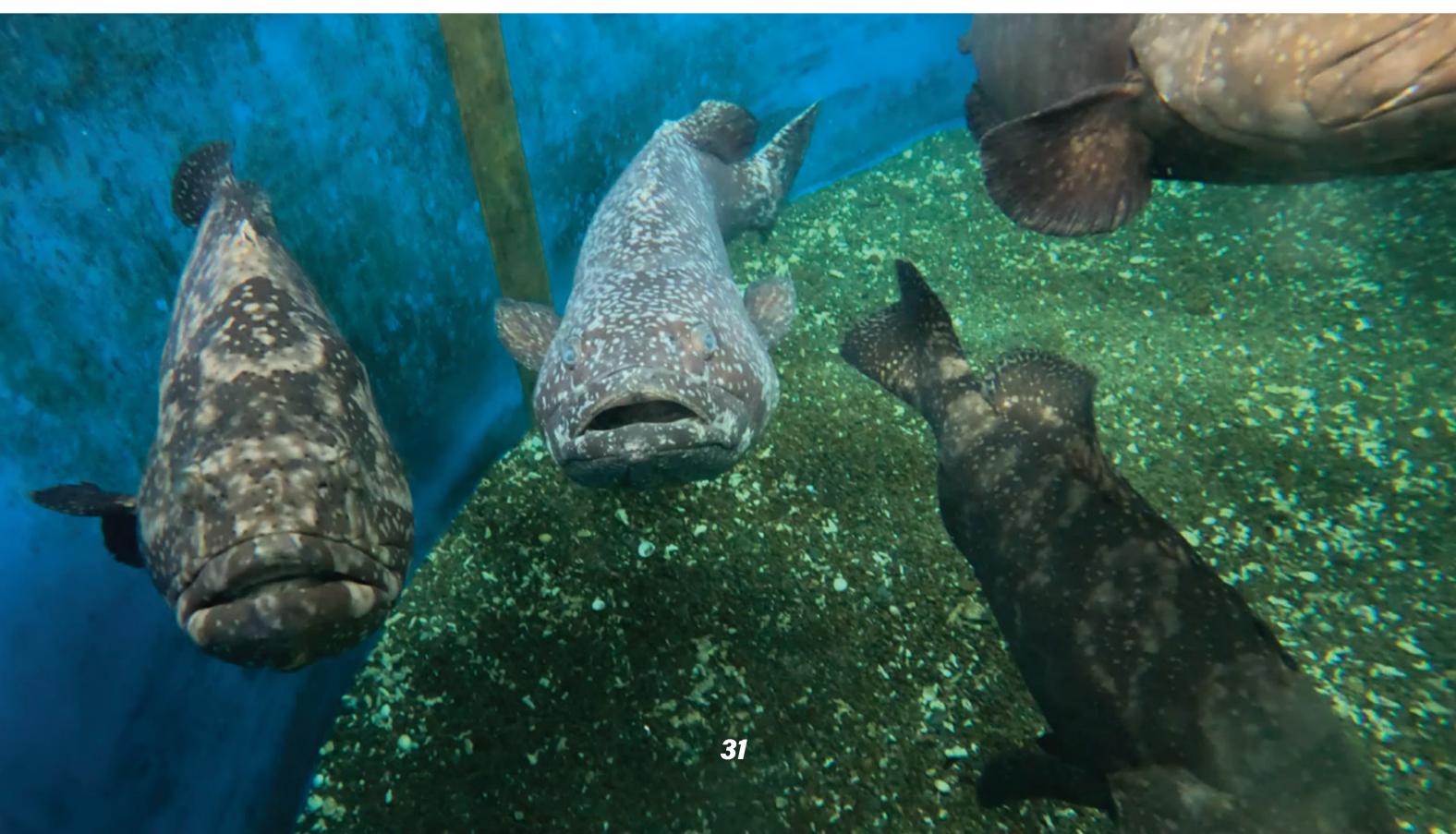
**UMS's Commitment to Accessible and Eco-Friendly Drinking Water:** All departments at Universiti Malaysia Sabah (UMS) have installed drinking water dispensers across campus, including high-traffic areas like the library. This initiative goes beyond providing a simple convenience—it reflects UMS's commitment to Sustainable Development Goal 6 (SDG 6), ensuring students, staff, and visitors have easy access to clean, safe drinking water. By offering these dispensers, UMS meets hydration needs and actively reduces reliance on single-use plastic bottles, encouraging a shift toward more sustainable water choices. This approach promotes health and well-being while fostering environmentally responsible habits within the campus community. By making clean drinking water readily available, UMS sets a positive example for other institutions, demonstrating that small, practical steps can impact environmental sustainability and community health.

**Sustainable Landscaping at UMS via Water-Efficient and Climate-Adaptive Green Spaces:** Located in a tropical climate with a regular rainy season, Universiti Malaysia Sabah (UMS) has implemented a sustainable landscape management program by promoting water-efficient, eco-friendly green spaces. Managed by an external company with support from the Landscape Unit in the Faculty of Sustainable Agriculture, this program integrates the art and science of plant propagation, production, and conservation to create an inviting and environmentally conscious campus. The program carefully selects suitable ornamental plants for UMS landscapes, emphasizing species that thrive in the tropical climate. This approach reduces the need for excessive watering and maintenance, supporting water conservation efforts. By choosing plants adapted to local conditions, UMS minimizes water use and promotes sustainable landscaping practices, even during the dry seasons. The program's impact extends beyond beautification; it promotes a holistic approach to sustainable urban development, where resource conservation, environmental harmony, and community wellness

converge, setting a standard for water-efficient, climate-adapted landscaping practices in Malaysia.

**Research and Development Initiatives in Water and Sanitation at UMS:** A significant part of UMS's work is in water treatment research. The university develops sustainable and affordable methods to improve water quality, especially for remote and underserved areas. Their research ranges from developing eco-friendly filtration systems to creating low-cost purification technologies that meet the unique needs of rural communities. One example is the Water Research Unit (WRU) UMS, which actively addresses water-related challenges by investigating the root causes of incidents, analyzing contributing factors, and developing systematic solutions to prevent future issues. In addition to the Water Research Unit (WRU), other key research centres include:

- **Borneo Marine Research Institute (BMRI):** BMRI conducts extensive research on marine ecosystems, emphasizing aquatic resource conservation and sustainable management. Their work includes studies on water quality, marine biodiversity, and the impacts of human activities on coastal and marine environments.
- **Institute for Tropical Biology and Conservation (ITBC):** ITBC focuses on the biodiversity of tropical ecosystems, including freshwater habitats. Their research encompasses aquatic ecology, freshwater species conservation, and environmental changes' effects on water bodies.
- **Faculty of Engineering:** Within this faculty, research groups are dedicated to water resource engineering, hydrology, and the development of sustainable water management systems. Their projects often involve designing efficient water distribution networks and wastewater treatment technologies.
- **Faculty of Science and Natural Resources:** This faculty engages in research on environmental science, including studies on water pollution, hydrological cycles, and the development of strategies for sustainable water use.





**7 AFFORDABLE AND CLEAN ENERGY**

**Ensure access to affordable, reliable, sustainable, and modern energy for all**

Achieving SDG7 is central to advancing global development, as energy is a critical enabler of economic growth, environmental sustainability, and social well-being. This goal encompasses several key targets, including universal access to energy, an increase in the global share of renewable energy, improved energy efficiency, and enhanced international cooperation in energy technology and infrastructure.

Universiti Malaysia Sabah (UMS) is committed to advancing SDG7 through impactful research, innovative technologies, and community-driven initiatives. The university's contributions reflect a holistic approach to sustainable energy, ranging from renewable energy projects to energy-efficient campus operations and community outreach. UMS has committed to projects that support rural electrification, especially in underserved communities, and developed collaborations with industries to advance renewable energy innovations. These initiatives reduce the institution's carbon footprint and serve as models for sustainable energy practices in Malaysia and beyond.

**Sustainable Energy Management:** At Universiti Malaysia Sabah (UMS), the commitment to SDG7 is driven by the UMS Sustainable Energy

Management Policy, established in 2018. This policy reflects UMS's dedication to fostering a sustainable campus environment and significantly reducing greenhouse gas emissions. It sets out a clear vision: to minimize the campus's environmental impact while ensuring energy security and cost savings, all without compromising the comfort, health, or safety of the university community.

**Sustainable Energy Research at Universiti Malaysia Sabah with Prestigious Skim Dana Petronas Grant:** In an exciting boost for sustainable energy research, Petronas has awarded the prestigious Skim Dana Petronas grant to seven researchers at Universiti Malaysia Sabah (UMS), including three from the Faculty of Engineering (FKJ). This competitive funding, totalling RM3.7Mil, significantly recognises UMS's commitment to advancing knowledge and innovative solutions in clean and affordable energy. The awarded projects reflect a shared mission between UMS and Petronas to address critical challenges in energy sustainability and climate resilience, directly supporting the goals of SDG 7.



**8 DECENT WORK AND ECONOMIC GROWTH**

**Promote sustained, inclusive, sustainable economic growth, full and productive employment, and decent work.**

This goal highlights the need for economic progress that benefits everyone, aligning with efforts to eradicate poverty, reduce inequalities, and foster sustainable, productive job opportunities. SDG8 addresses the critical intersections between economic performance and social well-being, promoting labour rights, fair wages, and safe working conditions while prioritizing sustainable economic activities that contribute to broader social and environmental goals.

In line with SDG8, Universiti Malaysia Sabah (UMS) has made impactful contributions towards fostering sustainable economic growth and enhancing employment prospects. Through its innovative academic programs, industry partnerships, research initiatives, and community engagement efforts, UMS has aimed to equip students and local communities with valuable skills and knowledge. UMS has focused on building a skilled workforce and supported regional economic development by nurturing an entrepreneurial mindset and advancing sustainable practices across various sectors. The institution's dedication to SDG8 reflects its commitment to fostering economic resilience and social equity within Malaysia and beyond.

**Recognizing Employee Unions for Fair Representation:** Recognizing that fair representation is foundational to decent work, UMS actively supports and acknowledges unions representing diverse employment categories, ensuring that the voices of all its employees are heard. In line with this, UMS formally recognizes various unions: PSAUMS & HiUMS, which represent academicians; KEKAUMAS, for supporting staff; KESUMBA, representing women

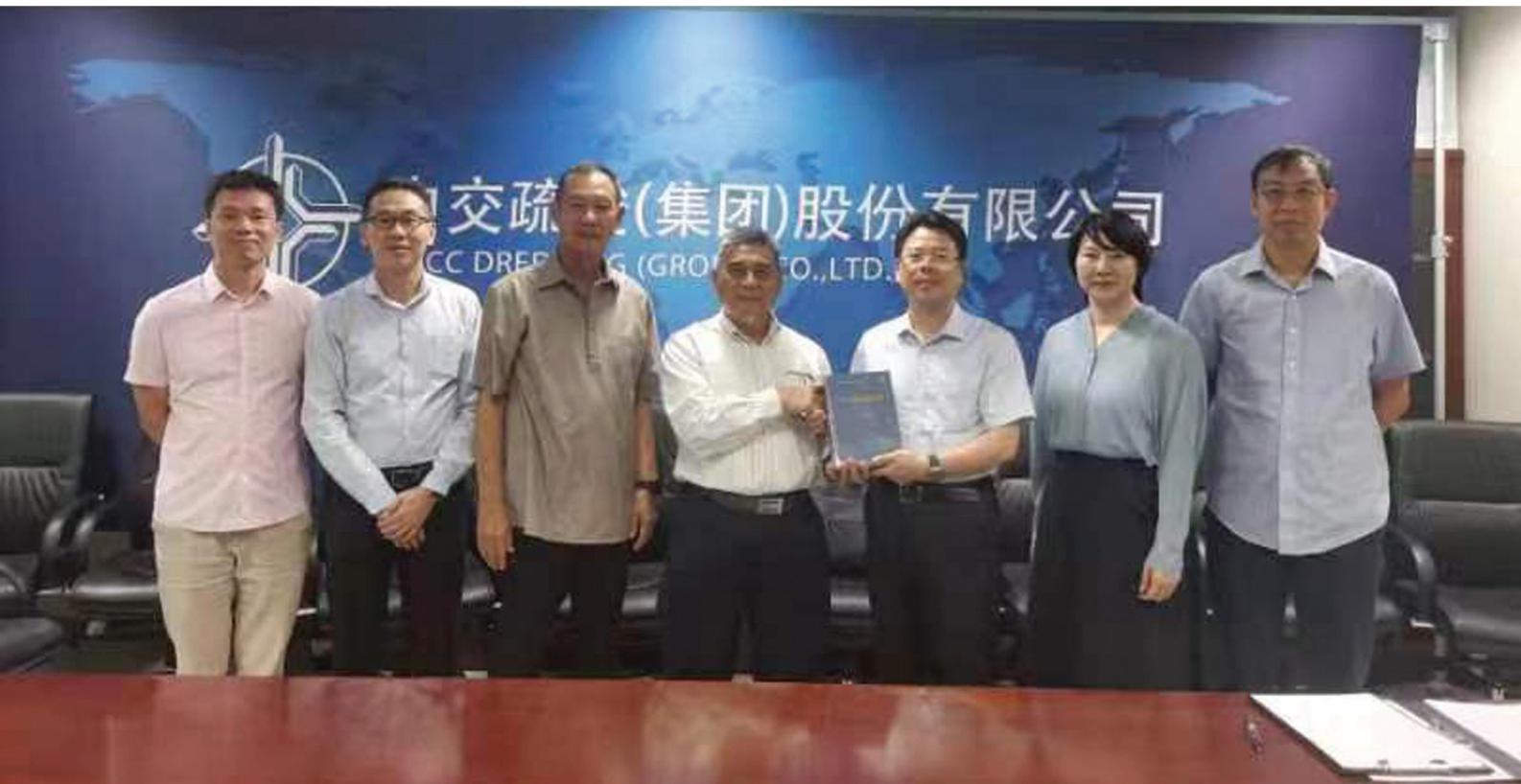
staff and housewives; and PPUMS, the union for non-academic officers. This inclusive approach ensures that employees from all areas—academic, support, women's rights, and non-academic leadership—have platforms to engage in dialogue, advocate for their needs, and foster collaborative growth within the institution.

**Key Departments in Driving Economic Growth Initiatives at UMS:** several organizations and departments directly involved in efforts to promote economic growth are:

- **Faculty of Business, Economics, and Accountancy (FPEP):** This faculty is central to UMS's economic initiatives, focusing on research and education in business, economics, and accounting. The faculty emphasizes areas such as inclusive economic growth, entrepreneurship, and sustainable tourism
- **Research Institutes and Centers:** UMS hosts various research entities contributing to economic development through specialized studies and community engagement. These institutes focus on areas like sustainable development, marine research, and agricultural innovation, all of which have significant economic implications for the region.
- **Innovation and Commercialization Management Centre (ICMC):** The ICMC facilitates the commercialization of research outputs, fostering innovation and entrepreneurship within the university community. The centre plays a vital role in translating academic findings into economic opportunities by bridging the gap between research and industry.



UMS  
UNIVERSITATI SAINS MALAYSIA



## 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



### Foster innovation, build resilient infrastructure and promote inclusive and sustainable industrialization

Sustainable Development Goal 9 (SDG 9) calls for building resilient infrastructure, fostering inclusive and sustainable industrialization, and encouraging innovation. This goal highlights the transformative power of infrastructure and technology in shaping a more connected, sustainable, and equitable world. By focusing on these areas, SDG 9 envisions communities that can thrive in a future powered by sustainable industry and innovation.

In 2023, Universiti Malaysia Sabah (UMS) has made tangible strides toward SDG 9 through dedicated research, community engagement, and collaborative projects. UMS has prioritized not only advancing technology but doing so in a way that supports the well-being of local communities, empowers underrepresented groups, and respects the natural environment. From initiatives in green technology to partnerships with industries aimed at eco-friendly practices, UMS has created a model for how academic institutions can bridge the gap between knowledge and real-world impact.

At its core, UMS's work in SDG 9 represents a commitment to using education and innovation as tools for positive change. By contributing solutions that address local and national challenges—such as improving sustainable transportation, energy-efficient building practices, and accessible technology—UMS is driving progress toward a sustainable future. Through these efforts, UMS reaffirms its role as a catalyst for sustainable development, embodying how universities can be centres of progress that inspire and empower communities.

Examples of initiatives that encompassed research projects, community engagement, and collaborative efforts are:

**Conference on Material and Energy Engineering for Sustainable Advancement (MEESA 2023):** Organized by UMS's Mechanical Engineering Programme and the Centre of Research in Energy and Advanced Materials (CREAM), this conference aimed to promote research and encourage collaborative involvement among researchers in materials science, sustainable processes, renewable materials, and energy.

**Conference on Civil Engineering and Construction Technology (ICECon2023):** a significant event that brought together experts, researchers, and practitioners in civil engineering and construction. It featured a diverse range of presentations and discussions on topics such as sustainable construction practices, advanced materials, structural engineering, and infrastructure development. The event demonstrated UMS's commitment to promoting research and development in civil engineering and construction technology, aligning with Sustainable Development Goal 9 (SDG 9) on building resilient infrastructure and fostering innovation.

**Research income from industry and commerce:** research initiative supported by industry funds contributes not only to scientific advancements but also to real-world solutions that promote long-term sustainability, such as:

- Research Agreement (RA) worth RM1.16 million with the Malaysian Palm Oil Green Conservation Foundation (MPOGCF) and the Sabah Wildlife Department (JHLS). This project aims to review and update data on the actual population of Bornean elephants in Sabah, which was last collected 9 to 14 years ago. Additionally, there is a need to study human-wildlife conflicts, particularly involving the two species under investigation. The findings from this study are expected to assist JHLS in creating a new paradigm for awareness programs. The project also focuses on enhancing the capacity of local experts by training young Malaysian scientists in the ecological and wildlife conservation field in Sabah.
- Strengthening Academic and Technological Collaboration through the Confucius Institute at UMS: UMS partnered with CCCC Dredging (Group) Co. Ltd (CDC) and Changsha University of Science and Technology (CSUST) to enhance academic and technological cooperation. This collaboration aimed to facilitate expertise exchange, provide industrial training for students, and develop engineering simulation laboratories at UMS. Additionally, the partnership focused on environmental

protection and social responsibility activities, such as organizing visits to construction projects to understand environmental measures.

- Memorandum of Understanding with the Sabah Economic Development and Investment Authority (SEDIA): UMS signed an MoU with SEDIA to strengthen economic research cooperation and related activities. The collaboration focused on education and research, training and workshops, collaborative publications, conferences and seminars, and the exchange of expertise. This partnership aimed to increase participation in higher education and contribute to Sabah's socio-economic development.

- Research Agreement with Yun Fung Sang Group Sdn Bhd: UMS agreed with a local fertilizer supplier to undertake agriculture research projects. The collaboration aimed to strengthen eco-farm agriculture as an educational platform based on research training, benefiting students and agri-entrepreneurs. The partnership focused on improving soil nutrient management in palm oil agroecosystems and developing sustainable agricultural practices.
- PETRONAS-Academia Collaboration Dialogue (PACD): PETRONAS awarded grants totalling RM5.75 million to seven UMS academicians for research in green energy-related fields, including clean energy storage systems, bioenergy development, and efficient hydrogen generation.








**10** REDUCED  
INEQUALITIES

**Reduce inequalities within  
and among countries**

Sustainable Development Goal 10 (SDG10) is about building a fairer, more inclusive world by reducing inequalities within and among countries. This goal isn't just about numbers or policies; it's about giving everyone—regardless of background, race, gender, or economic status—a real chance to thrive. SDG10 calls for action to close income gaps, provide equal opportunities, and remove the barriers that hold people back.

At Universiti Malaysia Sabah (UMS), we believe that education is a powerful tool for change, and in 2023, we have worked hard to make a real impact toward reducing inequalities. Our university serves a richly diverse community, including many underserved and indigenous populations. Through initiatives like accessible scholarship programs, mentorship, and community outreach, we're opening doors for students from all walks of life and building a supportive environment where everyone feels they belong and can succeed.

Beyond education, UMS is committed to creating partnerships and fostering dialogues that address broader social issues. By working closely with government bodies, NGOs, and local communities, we're addressing challenges such as health disparities and economic exclusion that contribute to inequality. In doing so, we're proud to serve as a bridge between people and opportunities, working toward a more inclusive and just society for all. Initiatives include:

**Accessible Admission through UPUOnline for Inclusive Enrollment:** Universiti Malaysia Sabah (UMS) actively supports accessible education by participating in the UPUOnline admission system, adhering to the Guidelines for Policies and Procedures for Student Admission to Public Higher Education Institutions (IPTA) and Institusi Latihan Kemahiran Awam (ILKA). This platform, accessible at <https://upu.mohe.gov.my>, simplifies and

standardizes the application process, making higher education opportunities more accessible to all, especially those from underrepresented communities. By streamlining admissions and centralizing resources, UMS is dedicated to removing barriers and providing a fair chance for every student to pursue higher education.

**Special Admission Categories for Marginalized Groups:** The admission guidelines used by UMS and 20 other public universities across Malaysia include targeted pathways to support marginalized and underrepresented groups. Special admission categories are available for applicants from the B40 income group, Persons with Disabilities (OKU), Indigenous Peoples, and athletes, acknowledging these groups' unique challenges in accessing higher education. These inclusive admissions policies are a core element of UMS's commitment to SDG10, actively working to reduce inequality by ensuring that every student, regardless of their socio-economic background, has an equal opportunity to thrive in a higher education environment.

**The 'Turning Ideas into Reality' (MENITI) Program for B40 Students:** Since 2013, UMS has implemented the Turning Ideas into Reality (MENITI) program, a unique initiative designed specifically for students from the B40 income group. Each year, this program provides a pathway for approximately 200 students from Sabah, offering them admission and a platform to unlock their potential through higher education. MENITI aligns closely with the spirit of SDG10 by lifting economically disadvantaged students out of poverty, empowering them to transform their lives, and ultimately contributing to the socio-economic development of their communities. Through MENITI, UMS ensures that higher education becomes a reality for many who may have previously seen it as an unattainable dream.



### Skill Development and Training through the UMS

**Training Unit:** To empower staff members with the necessary skills and knowledge to perform their roles effectively, UMS has established a Training Unit dedicated to continuous professional development. By ensuring all staff members are well-equipped to perform their duties, the university enhances operational efficiency and creates a more inclusive and supportive workplace.

**Mental Health and Well-being Support through the Counselling Unit:** Recognizing that a healthy state of mind is fundamental for personal and academic success, Universiti Malaysia Sabah (UMS) is committed to fostering an environment where mental well-being is prioritized. The UMS Counselling Unit offers various services, including

mentoring, counselling, and peer support for students and staff. This initiative ensures that anyone in need can access professional support, creating a supportive campus atmosphere that values its community's mental health and emotional resilience.

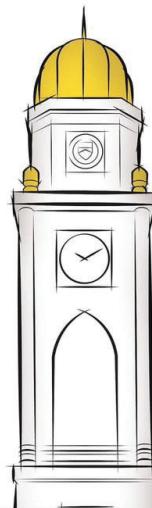
**Legal Support and Integrity Initiatives:** To uphold a culture of integrity and transparency, Universiti Malaysia Sabah (UMS) has established a dedicated Legal Advisor Office (Pejabat Penasihat Undang-Undang, PPUU) responsible for addressing policies related to ethical practices and legal compliance. By implementing and enforcing policies that promote ethical conduct, the Legal Office contributes to a fair, inclusive environment for staff and students.



# ANDA PERLU BANTUAN ATAU SOKONGAN?

Kami menawarkan perkhidmatan  
kaunseling dan bimbingan.

Terbuka kepada semua kakitangan  
dan pelajar UMS secara percuma !



- ✓ **Kami Sedia Mendengar**
- ✓ **Kami Sedia Membantu**
- ✓ **Kami Akan Sentiasa Bersama Anda**
- ✓ **Kami Tidak Akan Mengadili Anda**
- ✓ **Kerahsiaan Anda Keutamaan Kami**

UNTUK TUJUAN JANJI TEMU SILA IMBAS KOD QR ATAU HUBUNGI TALIAN/EMEL TERTERA:

**1. ENCIK ADZMIL ABIDIN K.B.P.A**  
Pegawai Psikologi Kanan  
Bahagian Kaunseling dan Bimbingan  
Email : adzmil@ums.edu.my  
No.Telefon : 0146753445

**2. ENCIK MUHAMMAD JUMRAT MINSUN K.B.P.A**  
Pegawai Psikologi Kanan  
Bahagian Kaunseling dan Bimbingan  
Email : mdjumrat@ums.edu.my  
No.Telefon : 0145584764



BORANG JANJI TEMU PERKHIDMATAN  
KAUNSELING / BIMBINGAN



Bahagian Kaunseling dan Bimbingan, Jabatan Hal Ehwal Pelajar 088 320 000 (Samb. 201705)






**11 SUSTAINABLE CITIES  
AND COMMUNITIES**

**Make cities and human settlements inclusive,  
safe, resilient, and sustainable.**

This goal recognizes the increasing urbanization challenges faced by nations worldwide and the need for integrated approaches that support sustainable urban development. SDG11 addresses vital issues such as adequate housing, sustainable transport systems, and resilient infrastructure while promoting inclusive and participatory urban planning and reducing environmental impact.

Universiti Malaysia Sabah (UMS) is deeply committed to advancing the goals of SDG11, driven by a vision of sustainable, inclusive, and resilient urban development that enhances the quality of life for everyone. Through academic programs, hands-on research, and impactful community outreach, UMS works toward a future where cities and settlements are safer, more sustainable, equitable, and accessible. UMS has made meaningful progress in areas critical to urban resilience and inclusive growth. Among our most notable contributions are:

**The EcoCampus Visitor Information Centre (EVIC)** at Universiti Malaysia Sabah (UMS) is a welcoming gateway, inviting local and international visitors to experience the campus and its sustainable initiatives firsthand. EVIC is more than just an information centre; it embodies UMS's commitment to Sustainable Development Goal 11 (SDG11) by promoting sustainable tourism and education within the university grounds. Equipped with visitor-friendly facilities and services, EVIC encourages exploration, learning, and engagement with UMS's eco-friendly practices and urban resilience projects.

**The Outdoor Development Centre (ODEC)** at Universiti Malaysia Sabah (UMS) is a beloved landmark and an integral part of the campus that brings the community closer to nature. This scenic outdoor space is designed for various activities, from picnics and beach sports to team-building and retreat programs. It is a vibrant gathering spot for students, staff, and visitors. Aligns with SDG11, ODEC promote inclusive, accessible, and green spaces that foster a sense of community and

well-being. By providing a safe, natural environment for recreation and relaxation, ODEC supports healthier lifestyles, encourages social interaction, and offers a peaceful retreat from the urban environment. UMS's commitment to maintaining ODEC as an open, welcoming space exemplifies its dedication to creating sustainable and resilient urban areas, demonstrating how universities can lead by example in building environmentally friendly and inclusive spaces for all.

**The Academy of Arts and Creative Technology (ASTiF)** at Universiti Malaysia Sabah (UMS) is a dynamic space that fosters innovation and creativity across disciplines, empowering experts, artists, and art entrepreneurs to explore new artistic perspectives in an ever-evolving world. Aligned with Sustainable Development Goal 11 (SDG11), ASTiF is committed to nurturing a vibrant, inclusive cultural landscape that contributes to sustainable and resilient communities. ASTiF preserves cultural heritage and drives forward-thinking solutions that support sustainable urban development by equipping creative professionals with the skills and vision to address real-world challenges. Through its focus on innovation, ASTiF strengthens the role of arts and culture in creating inclusive, dynamic urban spaces, positioning UMS as a pivotal contributor to sustainable cities' cultural and social dimensions.

Universiti Malaysia Sabah (UMS) actively encourages its campus community to embrace **sustainable transportation** options like electric vehicles, cycling, and walking. By promoting these green transportation choices, UMS reduces its carbon footprint and fosters a healthier, more connected campus environment. Walking and cycling paths encourage social interaction and a sense of community, while electric vehicle options support a cleaner, quieter campus. Through these efforts, UMS sets an example of how sustainable mobility can create safe, resilient, and inclusive spaces, inspiring others to adopt similar community practices.

**UMS** UNIVERSITI MALAYSIA SABAH **PUSAT PENGURUSAN ECOCAMPUS**

## POLISI PENGURUSAN SISA LESTARI UNIVERSITI MALAYSIA SABAH

*Apa itu Polisi Pengurusan Sisa?*

Rancangan tindakan yang telah dipersetujui dalam melaksanakan pergerakan ke arah Kampus Sifar Sisa.

**0%**

**Takrifan Sisa**

Bahan buangan sama ada dalam bentuk pepejal, separa pepejal, cecair mahupun dalam bentuk gas atau wap.

(Sumber : Akta Kualiti Alam Sekeliling 1974)

**Pengurusan Sisa berdasarkan Konsep 6R**

Reduce, Reuse, Recreate, Refuse, Rethink, Recycle

**pelaksanaan pelan Tindakan**

**NO to PLASTIC**

Larangan penggunaan plastik sekali guna (beg, botol, straw, bekas makanan/minuman, peralatan makanan dan bekas polisterin) di dalam kampus.

**Aktiviti Sedia Ada**

Polisi ini menyokong aktiviti alam sekitar sedia ada seperti Pembersihan Pantai, Kutipan Bahan Kitar Semula dan sebagainya.

**Mulakan Hari Ini!**

Langkah awal adalah dengan **menolak penggunaan plastik sekali guna** dan biasakan diri untuk membawa bekas makanan/minuman yang boleh diguna semula untuk kegunaan peribadi.

**12** RESPONSIBLE  
CONSUMPTION  
AND PRODUCTION



## Ensure sustainable consumption and production patterns foster long-term environmental health, economic stability, and social well-being.

This goal addresses the need to reduce resource depletion, waste generation, and environmental degradation while promoting efficiency and responsible production and consumption practices. Achieving SDG 12 requires a collaborative approach involving policymakers, industries, academic institutions, and local communities to create a balanced ecosystem prioritising sustainability and resource efficiency.

Universiti Malaysia Sabah (UMS) has made significant strides in advancing SDG 12 through its research, academic programs, and community engagement initiatives. UMS's commitment to sustainability is evident in its efforts to integrate sustainable practices across campus operations, from waste reduction strategies and sustainable procurement to fostering environmental awareness. Furthermore, the institution's focus on developing research projects and academic courses in sustainable engineering, environmental management, and waste minimization directly contributes to the generation of professionals equipped to champion sustainable production and consumption practices in Malaysia and beyond.

In 2023, UMS continued to emphasize sustainable consumption via the Sustainable Waste Management Policy as part of its EcoCampus initiative. The key impacts are:

- **Zero Waste Goal:** UMS aims to achieve zero waste by implementing efficient waste management strategies.
- **Waste Segregation:** The policy emphasizes proper waste segregation to streamline recycling and disposal processes, ensuring that different waste types are appropriately managed.
- **6R Waste Management:** UMS adopts the 6R principles—Reduce, Reuse, Recycle, Refuse, Repair, and Rethink—to minimize waste and encourage sustainable habits across the university community.
- **No Plastic Policy:** The institution enforces a no-plastic policy, reducing the consumption of single-use plastics to lessen environmental impact.
- **Sustainable Actions and Programs:** UMS organizes activities promoting sustainable practices, engaging students and staff in proactive waste reduction efforts.
- **Monthly "No Waste" Day:** This initiative encourages the UMS community to practice waste-free habits, fostering a culture of environmental responsibility.





## Action to combat climate change and its impacts

Climate change is not just a future challenge; it's now affecting communities, economies, and ecosystems. Sustainable Development Goal 13 (SDG13) calls for urgent action to combat climate change and adapt to its impacts, emphasizing the need for global cooperation and local resilience. The goal urges us to rethink our relationship with the environment, adopt sustainable practices, and support communities most vulnerable to climate-related challenges.

At Universiti Malaysia Sabah (UMS), we see this call as a shared responsibility and embrace it wholeheartedly. As a university deeply connected to our local environment and communities, we're committed to turning knowledge into action for climate resilience. Through our research, community partnerships, and green campus initiatives, we're working to create meaningful impacts, from advancing climate science to empowering our community with climate-smart practices. Our efforts span disciplines, involving students, faculty, and external partners who share our commitment to a sustainable future. Notable efforts include:

**EcoCampus Action Plan:** UMS is recognized as the first university in Malaysia to launch an EcoCampus Action Plan. This initiative is monitored and implemented through the Pusat Pengurusan EcoCampus Management Centre, a sustainability office for UMS and a consulting service in landscaping, sustainable energy, and waste management.

### Advancement in Global Sustainability Rankings:

UMS was ranked 53rd out of 1,050 higher educational institutions worldwide in the 2022 UI GreenMetric World University Ranking System, placing it among the top 5% of the most sustainable universities globally. This achievement reflects UMS's ongoing efforts to integrate sustainability into its campus operations and academic programs.

**Participation in the 7th International Conference on Climate Change 2023 (ICCC 2023):** UMS collaborated as an Academic Partner in ICCC 2023, held from February 9-10, 2023. This partnership underscores UMS's commitment to addressing climate change through academic and research collaborations.

**Resilience through Research:** UMS has extensively researched earthquakes, landslides, floods, and coastal erosion through the Geology Program in the Faculty of Science and Natural Resources and the Civil Engineering Program in the Faculty of Engineering. This research has helped build foundational knowledge of natural disaster risks in Malaysia and guided local disaster preparedness and mitigation strategies. The Natural Disaster Research Centre (NDRC) was established in March 2006 and serves as a hub for climate resilience research and a leader in training local communities on disaster risk reduction.



**14** LIFE  
BELOW WATER

**Conserve and sustainably utilize oceans, seas, and marine resources to promote sustainable development**

At Universiti Malaysia Sabah (UMS), we understand that our proximity to the Coral Triangle—a global hotspot for marine biodiversity—places us uniquely positioned to make a difference. Our researchers, faculty, and students have worked with communities for years to safeguard our marine ecosystems and promote sustainable practices. Our initiatives range from studying marine life in Sabah's coastal waters and developing eco-friendly aquaculture techniques to finding ways to reduce marine pollution and better understand climate impacts on our reefs and fisheries.

Our work at UMS is driven by a shared action: a world where future generations can still enjoy the beauty and resources of the ocean. Through research, education, and community collaboration, we aim to empower others with knowledge and foster a deeper connection with the environment. In 2023, Universiti Malaysia Sabah (UMS) has actively advanced Sustainable Development Goal 14 (SDG14), "Life Below Water," through various initiatives:

**Marine Research and Conservation Efforts:** The Institute of Borneo Marine Research (BMRI) has extensively researched marine biodiversity, focusing on coral reef ecosystems and sustainable fisheries. Their work includes monitoring marine species and assessing the health of coral reefs to inform conservation strategies.

**Educational Programs and Community Engagement:** Through events and workshops, we educate the public and local communities about the importance of marine conservation and promote sustainable practices to protect marine ecosystems, such as "Ocean Celebration 2023", which includes activities such as Expert seminars on marine wildlife conservation and climate awareness, 'Open day' where interactive demonstrations and exhibitions to engage the public in marine conservation efforts and collaboration with Canon Marketing Malaysia to deliver the "Exploring Ocean Awareness Through Photography" workshop and photo exhibition.







## Protect, restore, and promote the sustainable use of terrestrial ecosystems

This goal is close to our hearts at Universiti Malaysia Sabah (UMS). As a university located on the richly biodiverse island of Borneo, we are acutely aware of our vital role in protecting this unique environment. Our impact extends beyond campus, reaching the communities, landscapes, and ecosystems that make our home beautiful and ecologically crucial. UMS is dedicated to advancing research, education, and sustainable practices that contribute meaningfully to SDG15. Through conservation projects, partnerships with local communities, and environmental education, we work to preserve endangered species, protect fragile ecosystems, and advocate for sustainable land use practices.

In 2023, Universiti Malaysia Sabah (UMS) has actively advanced Sustainable Development Goal 15 (SDG15), "Life on Land," through a series of targeted initiatives:

**International Forest Day Celebration:** The Faculty of Tropical Forestry organized events to raise public awareness about the importance of forest preservation and conservation, emphasizing the role of forests in maintaining biodiversity and ecological balance.

**UMS Ecofarm promotes Sustainable Agriculture and Biodiversity:** By running the Sustainable Agricultural Technology Development and Demonstration Program, Ecofarm serves as a living lab where innovative, eco-friendly farming practices are developed and shared with local communities, students, and agricultural professionals. This program not only promotes

sustainable food production but also reduces the environmental footprint of agriculture, supporting the health of our ecosystems.

**Preserving Borneo's Biodiversity via ITBC's BORNEENSIS Collection:** The Institute for Tropical Biology and Conservation (ITBC) at Universiti Malaysia Sabah is a vital hub for biodiversity research and conservation, complete top-tier research facilities and the renowned BORNEENSIS repository—a unique and extensive collection of Bornean flora and fauna—ITBC provides an invaluable resource for understanding and protecting one of the world's richest ecosystems. BORNEENSIS is a living library that preserves Borneo's natural heritage and supports research on species conservation, ecosystem health, and biodiversity management.

**Empowering Sustainable Agriculture:** The faculty of Sustainable Agriculture at Universiti Malaysia Sabah was founded to cultivate skilled professionals in crop production, livestock management, horticulture and landscaping, all while embedding the core principles of sustainability, environmental awareness, and advanced technology. These programs equip graduates to lead the nation's agricultural sector toward a more sustainable and resilient future. The Bachelor of Agricultural Science programs specializing in Crop Production, Horticulture and Landscaping, and Livestock Production receive comprehensive training that prepares them to address real-world agricultural challenges sustainably.



UMS JPRK JAWATANKUASA PILIHAN RAYA KAMPUS UNIVERSITI MALAYSIA SABAH

JAWATANKUASA PILIHAN RAYA KAMPUS UNIVERSITI MALAYSIA SABAH  
KAMPUS KOTA KINABALU

PILIHAN MAHASISWA | KEUTAMAAN KAMI

JAWATANKUASA PILIHAN RAYA KAMPUS  
UNIVERSITI MALAYSIA SABAH

UMS KAMPUS RAHMAH  
TAK ALAMAKAH DAN KERJASAMA

Leading Towards Innovative Societies

**16** PEACE, JUSTICE  
AND STRONG  
INSTITUTIONS

**Promote peaceful, just, and inclusive societies  
by strengthening institutions, reducing violence,  
combating corruption, and ensuring access  
to justice for all.**

In a world where peace, justice, and strong institutions are often the foundations of thriving communities, Sustainable Development Goal 16 (SDG16) calls on us to build societies where everyone feels safe, valued, and empowered. This goal emphasizes reducing violence, ensuring access to justice, fostering transparency, and strengthening institutions that serve everyone equally. It's a vision of a world where fairness builds trust, communities work together, and institutions stand accountable to those they serve.

Universiti Malaysia Sabah (UMS) is deeply committed to this vision. Our university has actively embraced the values of SDG16, striving to create an environment where integrity, fairness, and openness are the core principles guiding our policies, practices, and partnerships. At UMS, we believe educational institutions have a unique role in championing peace and justice—not just within our campuses but in the broader communities we touch. Our initiatives encourage dialogue, promote understanding, and build bridges between people and institutions, fostering a more just and inclusive society.

In 2023, Universiti Malaysia Sabah (UMS) has actively pursued initiatives aligned with Sustainable Development Goal 16 (SDG16), which promotes peace, justice, and strong institutions. These efforts include:

**Student Governance and Participation through Student Representative Council (Majlis Perwakilan Pelajar, MPP):** building a peaceful, just, and inclusive society starts with actively empowering our students to shape their community. Through annual elections, students engage in democratic processes, fostering leadership and accountability. This initiative cultivates a culture of transparency and inclusivity within the university community.

**UMS's Anti-Corruption Policy:** a comprehensive anti-corruption policy was established on December 15 2023. Recognizing the importance of

integrity, transparency, and accountability, this policy reinforces UMS's dedication to fostering a fair and trustworthy environment for students, staff, and the broader community. Key elements of this policy include a clear commitment to integrity, comprehensive preventive measures, and practical reporting mechanisms that encourage individuals to come forward without fear. It also establishes structured procedures for investigations, enforcement, and compliance with legal standards, ensuring that reported issues are handled transparently and effectively.

**Inclusive Leadership at UMS:** A Senate that embodies inclusive and accountable leadership includes the Vice-Chancellor, Deputy Vice-Chancellors, and all deans, ensuring that decisions reflect various academic perspectives. Five elected professors and non-faculty members, like the bursar, librarian, and registrar, contribute their expertise to enhance governance. UMS also includes five external board members: three from the private sector, an alum representative, and one additional member appointed by the Minister for their valuable experience. This diverse structure supports transparency, collaboration, and a culture of ethical decision-making, which aligns with UMS's commitment to peace, justice, and strong institutions.

**Promoting Economic Justice and Inclusive Policies:** The Centre for Economic Development and Policy (CEDP) at Universiti Malaysia Sabah (UMS) is crucial in advancing SDG16 by promoting fair, inclusive, and well-informed public policies. CEDP is dedicated to research and dialogue on economic development and public policy, mainly focused on Sabah and the surrounding region.

**UMS Driving Economic Progress and Innovation for a Stronger Sabah:** supporting Sabah's economic development goals, primarily through the Sabah Maju Jaya initiative, by providing research and innovation in crucial fields like agriculture, aquaculture, biotechnology, and renewable energy, is an active effort.




**17** PARTNERSHIPS  
 FOR THE GOALS

**Strengthen international partnerships,  
 mobilize resources, and foster knowledge  
 exchange to address social, economic,  
 and environmental challenges.**

- SDG17 is all about bringing people together to make the world a better place. It recognizes that no organization, government, or community can achieve sustainable development alone. By fostering collaborations across sectors, countries, and cultures, SDG17 emphasizes the power of partnerships in solving complex global challenges. It's a call for shared resources, open knowledge exchange, and united efforts to address issues ranging from poverty to climate change, ensuring that everyone has a role in building a sustainable future.
- At Universiti Malaysia Sabah (UMS), this goal resonates deeply. Over the years, UMS has worked tirelessly to forge meaningful partnerships with local communities, government agencies, NGOs, and universities worldwide. These collaborations aren't just about formal agreements; they're about people coming together, sharing insights, and working on impactful projects that make a difference. Whether through joint research on sustainable practices, resource-sharing programs, or community-led initiatives, UMS is dedicated to being a bridge that connects ideas with action.
- These are several significant initiatives and efforts that highlight UMS's commitment to promoting SDG17:
- **UMS Centre for Internationalisation and Global Engagement (CIGE):** a dedicated centre to foster international partnerships, facilitate academic and research collaborations, and support student and staff mobility programs that enhance cross-cultural understanding and global knowledge sharing. Through CIGE's efforts, UMS has established joint research projects, exchange programs, and international networks that bring together diverse perspectives and expertise. Bilateral agreements with universities worldwide to

foster academic collaboration, research partnerships, and student exchanges include:

- Kagoshima University: UMS collaborates with Kagoshima University on joint research projects and student exchange programs.
- Hokkaido University: This partnership focuses on marine science research and academic exchanges.
- Guangxi University: The agreement includes collaborative research and cultural exchange initiatives.
- Xiamen University: UMS and Xiamen University engage in joint academic programs and research activities.

**UMS Living Lab:** Living labs are dynamic, real-world environments where universities, communities, industries, and governments come together to test, co-create, and evaluate innovative solutions for societal challenges. Universiti Malaysia Sabah (UMS) has adopted the living lab concept to drive collaborative research, education, and sustainability efforts, aligning with Sustainable Development Goal 17 (SDG17). Such as:

- Makmal Hidupan Jaringan dan Kolaborasi Perubatan Luar Bandar (Fakulti Perubatan dan Sains Kesihatan)
- BORNEENSIS for Education for Sustainable Development (ESD) (Institute of Tropical Biology and Conservation)
- BRI Living Lab (Biotechnology Research Institute)
- Coastal Connections Living Labs (Borneo Marine Research Institute)
- Forestry Living Lab (Networking and Collaboration) Faculty of Tropical Forestry
- Kundasang Living Lab Compost (Faculty of Engineering)
- Community-Focused Integration Living Lab: Center for Knowledge Promotion and Language Learning (PPIB)
- Go Bawing Living Lab, Center for Knowledge Promotion and Language Learning (PPIB)

- Animal Feed Research and Industrialisation (AFEEDRI) (EcoFarm Management Center)
- Forestry Living Lab - SFERA@UMS (Sustainable Forestry Education and Research Area)

**Strengthening Global Partnerships for Quality Education in UMS's Leadership for Open Educational Resources (OER) Implementation and Capacity Building:** UMS has taken a proactive role in implementing the Malaysian National iOER Policy and Action Plans, inspired by UNESCO's 2019 Open Educational Resources (OER) Recommendation. Through this project, UMS has emerged as a leader in building capacity for OER. By hosting workshops supported by UNESCO, UMS has shared practical strategies and tools demonstrating how OER policies can be effectively applied within educational communities. These workshops equip educators with skills to create and share open resources and foster a collaborative spirit across institutions and borders, embodying the essence of SDG 17.

**Facilitating international collaborations and partnerships:** International conference events hosted by UMS facilitated global collaborations, knowledge exchange, and multi-stakeholder partnerships, reinforcing UMS's commitment to fostering sustainable development through international cooperation. For instance:

- International Conference on Advances in Machine Intelligence and Cybersecurity Technologies (AMICT2023)- aimed to bring together researchers and professionals to explore integrating complex systems theory and sustainable computing. The conference

provided a platform for sharing novel ideas and discussing innovative solutions, fostering partnerships contributing to sustainable development goals.

- 4th International Conference on Economics (ICE 2023) - brought together academicians, practitioners, and policymakers to discuss sustainability-related economic topics. The conference fostered relationships across the international community, promoting partnerships that address economic challenges through collaborative efforts
- 8th International Biotechnology Symposium - served as an international platform for researchers, academicians, and practitioners to discuss advancements in biotechnology. The event facilitated collaborations across sectors, promoting partnerships that drive innovation and sustainable development in the biotechnology field.

**Empowering Communities and Building Partnerships via The UMS-SPRINT Programme for Sustainable Development:**

UMS-SISWAPRIHATIN is a unique community engagement initiative designed to develop essential soft skills in students, emphasizing teamwork, leadership, and effective communication. Embedded within the co-curriculum, this programme enables students to connect with communities across Sabah, particularly in remote villages, allowing them to experience and contribute to the realities of local life. UMS-SPRINT exemplifies how educational institutions can play a transformative role in fostering partnerships that enrich student learning and contribute to communities' well-being.



**iOER SHARING SESSION  
Showcase 2023**

**Parallel Session 1**

**18 JANUARY 2024 (THURSDAY)**

**MODERATOR**  
ASSOC. PROF. IR. TS. DR. LIEW PENG YEN (UTM)

**PRESENTER 1**  
DR. MUNIRA BINTI ABDUL RAZAK (UMPSA)  
Topic: FROM i.O.E.R. TO H.A.T.I.: THE UMPSA JOURNEY TOWARDS GLOBAL INCLUSIVE TECHNOLOGY AND ECOSYSTEM

**PRESENTER 2**  
DR. SITI HAJAR BINTI ADAM (UPNM)  
Topic: EMBRACING iOER TO EXPLORE THE BASIC OF AUTONOMIC NERVOUS SYSTEM

**PRESENTER 3**  
TS. ERNY ARNIZA BINTI AHMAD (UITM)  
Topic: ENGINEERING iOER FOR QUALITY EDUCATION

**LIVE through JPT's Facebook page or Online through WEBEX**  
<https://bit.ly/iOERShowcase>

**UNESCO**

# Conclusion



UMS is deeply committed to embedding sustainable development into every aspect of university life—whether in research, teaching, community engagement, or institutional practices—to contribute meaningfully to achieving the SDG 2030 targets. While we recognize that there is still much work to be done, we understand that sustainability is a journey that demands continuous reflection, transparency, innovation, and a willingness to embrace change.

A holistic approach to sustainability assessment and reporting is crucial for us. It allows UMS to systematically showcase our efforts, measure our impact, and benchmark against other institutions. Sustainability touches every part of our operations: every process, every activity, every decision. Our performance is evaluated on three core pillars—environmental, social, and economic impact—which define our commitment to a sustainable future.

Achieving true sustainability calls for dedication from all members of our university community. At UMS, we're prepared to embrace these values in policy and spirit, embedding sustainability into the fabric of our institution and hearts.

# *Acknowledgements*

We would like to extend our heartfelt gratitude to all those who contributed to creating Universiti Malaysia Sabah's (UMS) 2023 Sustainable Development Goals (SDG) Report. This report results from collective efforts, reflecting the dedication of individuals and teams across the university committed to advancing sustainability in meaningful ways.

Our sincere appreciation goes to the UMS leadership team, whose vision and unwavering support have guided our institution towards an impactful SDG journey. We thank the faculty, researchers, and administrative staff who have integrated sustainability into their teaching, research, and everyday practices. Their innovative work and dedication have created the foundation for lasting change.

We are equally grateful to our students, whose passion and enthusiasm inspire our daily commitment to sustainability. They are our partners in this journey, and their engagement in SDG-related initiatives exemplifies the values of a truly sustainable community.

We also acknowledge our community partners, government agencies, and international collaborators who have worked with us to bring our SDG goals to life. Their support and cooperation have been invaluable in expanding the reach and impact of our efforts.

Finally, we extend our most profound appreciation to the report's editorial and production team for their tireless work documenting UMS's progress towards the SDGs. This report would not have been possible without their meticulous attention to detail, commitment to transparency, and dedication to sharing our story with clarity and purpose.

This report is a testament to the collective power of our community to foster sustainable development and drive positive change. Together, we are building a future that aligns with the principles of the Sustainable Development Goals, and we are proud of the path we are forging with all of you. Thank you for being part of this journey.





MASJID UNIVERSITI





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