

2025

# ENVIRONMENTAL, SOCIAL & GOVERNANCE (ESG) REPORT



Charting Our Path to Sustainable  
Impact: A Year in Review

[www.sustainablecampus.umt.edu.my](http://www.sustainablecampus.umt.edu.my)

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## Message from the Vice Chancellor



### Prof Ts. Dr. Mohd Zamri Ibrahim

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The year 2025 marks an important continuation of Universiti Malaysia Terengganu's (UMT) journey towards sustainability, building on the foundation laid with the establishment of the Sustainability Management Centre in 2024 under the Centre for Transformation, Strategic Planning, and Risk Management. This initiative represents our steadfast commitment to embedding sustainability across our operations, research, and community engagement. We extend our deepest appreciation to the dedicated team members who continue to drive this vision forward with passion and resilience. Globally, the impacts of climate change are intensifying. Rising temperatures, extreme weather events, and environmental degradation are posing serious challenges to communities and ecosystems everywhere. Malaysia has not been spared—record-breaking heatwaves, heavy rainfall, and coastal vulnerabilities underscore the urgent need for adaptive strategies and stronger climate action. This decade remains the hottest in our history, reinforcing the critical truth that climate change is no longer a distant threat but an immediate reality requiring both national determination and international cooperation. At UMT, we recognize that confronting this challenge demands collective responsibility, innovation, and leadership. By embedding sustainability into our institutional practices, we aim to create meaningful and lasting change. Our priorities include reducing our carbon footprint, fostering renewable energy adoption, advancing climate resilience, and aligning with the national and global ambition of achieving net-zero emissions by 2050. As a leading university, UMT is determined to lead by example. Through research, education, innovation, and strong partnerships, we are shaping a more resilient, inclusive, and sustainable future. Together, we can transform today's challenges into tomorrow's opportunities, ensuring that our efforts leave a positive legacy for our communities, the nation, and future generations.

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## **Message from the Pro Vice-Chancellor (Strategy, Performance and Corporate Affairs)**



### **Prof. Ts. Dr. Mohd Fadzil Mohd Akhir**

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I extend my heartfelt congratulations to the Universiti Malaysia Terengganu (UMT) Sustainability Team for their outstanding and forward-looking report, which offers a comprehensive overview of the university's sustainability initiatives. Today, we draw renewed confidence and inspiration as we reflect on the pivotal activities and milestones that have emerged from our collective engagement, each one contributing meaningfully to our shared mission of achieving the Sustainable Development Goals (SDGs) by 2030. UMT plays a vital role in advancing Goal 14: Life Below Water, especially given its unique location along Malaysia's coastline. The health of our oceans, and the communities and ecosystems that depend on them, is under increasing threat from eutrophication, acidification, ocean warming, and plastic pollution. These challenges are contributing to a growing environmental emergency that demands urgent, coordinated action. Through our "Take Action" initiative, we aim to show that transformation is not only possible but already underway in many parts of the world. By embracing innovative strategies and fostering inclusive partnerships that engage academics, stakeholders, local communities, and even schoolchildren, we are laying the groundwork for a more sustainable future for all. Together, as a united global community, we can overcome poverty and hunger, address climate change, promote gender equality, and fulfil the vision of all 17 SDGs, even in the face of complex global challenges. This is our moment to rise, to demonstrate what we are capable of achieving when we act with purpose and unity. As we move forward, let us not be limited by today's crises. Instead, let us set our sights high, striving for a world of opportunity, dignity, and well-being for all, on a thriving and healthy planet. Let us make this a decade defined by peace, determination, bold ambition, and collective action.

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## **Message from the Director Center for Transformation, Strategic Planning, and Risk Management**



### **Assoc. Prof. Dr. Roshaliza Taha**

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It is a great honour to witness the launch of the Sustainability Management Centre at UMT in 2024. I would also like to extend a warm welcome to all the dedicated team members and staff who are now part of this important initiative under the Centre for Transformation, Strategic Planning, and Risk Management. Around the world, the impacts of climate change are becoming increasingly evident, posing a serious and urgent threat to humanity. Malaysia is not spared - this past May, we recorded temperatures reaching 37°C, the highest in the last four decades. In fact, this decade is proving to be the hottest in our history. These developments underscore a crucial reality: climate change affects us all and addressing it requires both national resolve and international cooperation. By embedding sustainability into our institutional vision and daily practices, we have the power to generate meaningful social and environmental progress. Tackling the climate crisis is complex, but it is not beyond us. It calls for collective responsibility, shared action, and strong leadership. Let us lead by example, by adopting sustainable practices, actively monitoring our carbon footprint, and committing to the long-term goal of achieving net zero emissions by 2050. Together, we can shape a more resilient, inclusive, and sustainable future for our communities and generations to come.

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## Message from the Head of the Sustainability Management Center



### Assoc. Prof. Dr. Chia Poh Wai

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UMT continues to make meaningful strides in campus sustainability, as demonstrated by key initiatives such as the 3R programme (Reduce, Reuse, Recycle) and the active participation of students in environmental protection movements. These efforts have earned UMT a place in the 601–800 band of the Times Higher Education (THE) Impact Rankings 2024, out of 2,031 universities worldwide, a significant recognition of our growing impact on sustainability. It is a privilege to be part of this campus-wide journey toward building an eco-conscious university. I am delighted to present the 2024 Campus Sustainability Report, which highlights UMT’s unwavering commitment to advancing the United Nations SDGs and positioning itself as a leading eco-campus. This report is not just a reflection of past achievements, but a roadmap for continuous progress, fueled by the dedication, collaboration, and shared vision of our students, faculty, staff, and partners. In an era defined by the climate crisis, higher education institutions have a moral and strategic responsibility to lead the way. Universities serve as catalysts for change, empowering future leaders and shaping communities. Through innovation, education, and environmental stewardship, we can inspire meaningful behavioural shifts that reduce ecological footprints and promote sustainable living. Together, we are creating a campus that not only values academic excellence but also embodies environmental responsibility. I am optimistic about the positive transformations that lie ahead and confident in our collective ability to shape a greener, healthier, and more sustainable future for all.

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## Message from the Head of Editorial



### Dr. Shahidee Zainal Abidin

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It is with great enthusiasm and pride that I present Universiti Malaysia Terengganu's latest Sustainability Report, meticulously compiled by our dedicated Sustainability Management team. In an era where environmental stewardship, social responsibility, and good governance have become essential pillars of progress, this report stands as a testament to UMT's steadfast commitment to shaping a more sustainable and resilient future. UMT continues to lead with purpose, particularly in advancing the blue economy, a domain that aligns closely with our identity as a premier institution in marine and environmental sciences. Through the integration of sustainable practices across our operations, academic programmes, and research initiatives, we are actively contributing to the responsible management and conservation of ocean and coastal resources. We view sustainability not as a fixed destination, but as a continuous journey, one that demands transparency, accountability, and innovation. As we confront the challenges of our time, we remain mindful that the choices we make today will have a lasting impact on future generations. This report reflects our ongoing efforts, guided by a strong sense of responsibility and an unwavering commitment to progress. I would like to express my sincere appreciation to all our stakeholders, whose support and collaboration have played a vital role in our accomplishments. My heartfelt thanks also go to our remarkable team, whose dedication and passion fuel our sustainability journey every step of the way. As you explore the pages of this report, I hope you gain a deeper understanding of our progress, our priorities, and our aspirations. We welcome your insights, your partnership, and your shared commitment as we work together to build a more sustainable and prosperous world through the advancement of the blue economy and far beyond.

# Editorial Team

## Advisory Committee



**Prof. Ts. Dr. Mohd Fadzil Mohd Akhir**  
Pro Vice-Chancellor (Strategy, Performance and Corporate Affairs)



**Assoc. Prof. Dr. Roshaliza Taha**  
Director, Centre for Transformation, Strategic Planning, and Risk Management



**Assoc. Prof. Dr. Mohd Nazli Mohd Nor**  
Faculty of Business, Economics and Social Development



**Prof. Dr. Zalailah Salleh**  
Faculty of Business, Economics and Social Development

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Faculty of Science and Marine Environment



**Assoc. Prof. Dr. Chia Poh Wai**  
Faculty of Science and Marine Environment



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Faculty of Business, Economics, and Social Development



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**Dr. Izan Dato' Hj Jaafar**  
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**Assoc. Prof. Dr. Suvik Assaw**  
Faculty of Science and Marine Environment

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**Mohd Jamil Rasyidi Mohd Ramlan**  
Sustainability Management Center



**Zamilah Binti Mohamed**  
Sustainability Management Center

# ESG REPORT

## Report Overview

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The publication of this annual Environmental, Social, and Governance (ESG) Report marks a significant milestone in Universiti Malaysia Terengganu's ongoing commitment to sustainability. This report not only highlights our institutional efforts in environmental stewardship, social responsibility, and long-term economic resilience but also reinforces our dedication to transparency and continuous improvement. Globally, sustainability reporting is gaining traction as both a best practice and an emerging regulatory expectation. In Malaysia, initiatives such as Bursa Malaysia's Sustainability Reporting Framework and the Sustainable and Responsible Investment (SRI) Guidelines by the Securities Commission underscore the national commitment to environmental, social, and governance accountability. While UMT is not a listed entity, we align our efforts with these evolving frameworks to ensure our sustainability practices remain relevant, transparent, and benchmarked against both national and global standards. While UMT is not governed by this legislation, we recognise the value of aligning with international standards to ensure our initiatives meet global expectations and best practices. This report presents a comprehensive overview of our sustainability performance, structured around key ESG dimensions. It offers insights into our strategic priorities, institutional progress, and our role in advancing the SDGs, particularly through our leadership in marine and coastal sustainability as part of the blue economy. As we continue this journey, we reaffirm our commitment to integrating sustainability into every aspect of university life, from governance and policy to campus operations, research, and community engagement. We invite all readers to explore this report, reflect on our shared responsibilities, and join us in building a more sustainable, inclusive, and forward-looking future.

FOR THE YEAR 2025

# ESG REPORT



## **Environmental Impact**

## Resource Management (Water and Electrical Usage)

UMT is committed to efficient resource management by promoting responsible water and electricity usage across its campus. Various initiatives have been implemented, including the installation of water-saving devices, LED lighting, motion sensors, and the optimisation of air-conditioning, and the promotion of mindful consumption among staff and students. In terms of electricity, UMT has adopted energy-efficient lighting, encouraged the use of natural ventilation, and integrated renewable energy sources in selected facilities. Regular monitoring and awareness campaigns are conducted to reduce wastage, lower operational costs, and minimise carbon emissions, aligning with UMT’s sustainability agenda and contributing to a greener, more resilient future.

### Saving energy usage for the university during the weekend

The Center for Development and Property makes announcements about electrical energy-saving activities via email to residents at UMT. All UMT residents are requested to take the following steps before leaving their respective rooms and office spaces.

- The light switch is closed
- The air conditioning system switch is closed
- The fan switch is closed
- Electrical equipment is closed



This reminder is issued as an energy-saving measure that needs to be taken and held accountable to every UMT citizen. Together we work by emphasising this practice in an effort to avoid wastage of electricity.



**Programme to reduce energy consumption**

The Development and Property Office wishes all UMT citizens a happy return to duty. As a reminder to all citizens, please ensure that the air conditioning temperature in all rooms and offices is adjusted to the room temperature, which is 24°C. For spaces with air conditioning systems, make sure the doors or windows are always closed to reduce energy consumption and maintenance costs. This reminder is issued as an energy-saving measure that needs to be taken and held accountable

by every UMT citizen. Together we effort to avoid wastage of electricity.

**Energy-efficient campaign**

UMT implements several sustainable energy-saving measures, including an hour lights-off period during lunch breaks. This is a long-term initiative that aims to minimise electricity usage, decrease overall energy consumption, and contribute to mitigating global temperature impacts. Additionally, the university promotes awareness among employees by encouraging them to power down computer screens when inactive for extended periods, fostering a culture of energy efficiency in the workplace.



## Rainwater harvesting system

Under Analytical and Environmental Chemistry Students for SULAM Service Learning Malaysia University for Society - SULAM KPT, a rainwater harvesting system was built at Surau At Taqwa for the community. This rainwater harvesting system has now been utilised for many other projects carried out by the community.



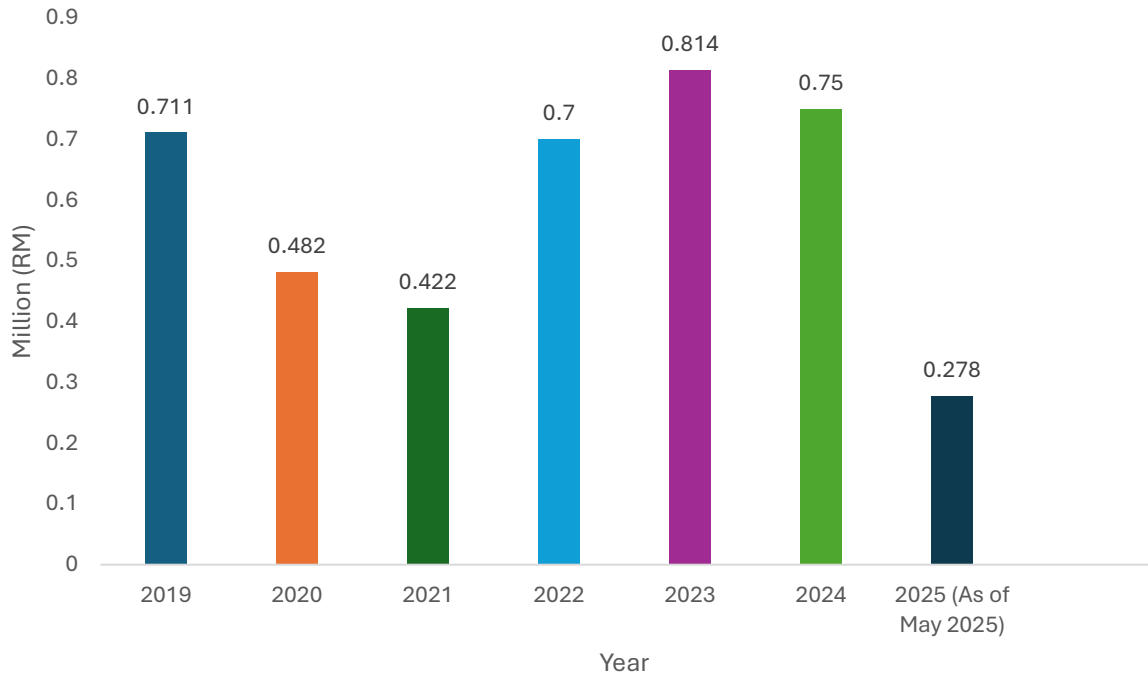
## Water Resource Management Camp (KPSA) 2024

The Department of Irrigation and Drainage (DID) Malaysia, through the Water Resource and Hydrology Management Division, organized the Water Resource Management Camp (KPSA) 2024 in Sungai Lembing, Kuantan, Pahang from 11–13 June 2024. This NAWABS initiative, in collaboration with UMT, UKM, USM, UniSHAMS, and UNESCO-IHP, aimed to raise awareness on water resource management. About 50 participants, including government staff and NGOs, joined 10 modules covering riverbank erosion, flow rate, water quality, bioindicators, treatment methods, and waste impacts. Through field and classroom activities, participants explored water conservation, drought awareness, and monitoring techniques. The program concluded with DID Pahang’s closing ceremony.



# Water Usage: Analysis Report

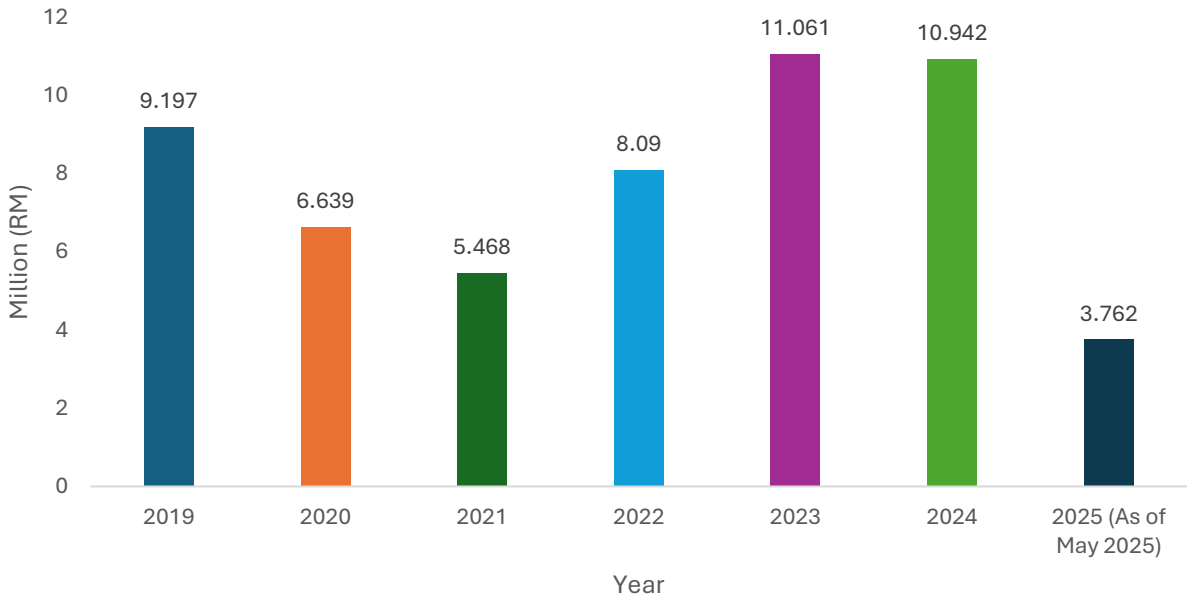
Water Bil Data from Year 2019 to 2025



From 2019 to 2025, UMT water consumption reflected distinct phases of change, beginning with a baseline expenditure of RM 711,831.93 in 2019, followed by sharp reductions during the COVID-19 pandemic in 2020–2021, when usage dropped to RM 421,887.15 at its lowest. With the resumption of campus activities, water bills rebounded to RM 619,979.61 in 2022 and peaked at RM 814,299.42 in 2023 before declining slightly to RM 750,109.36 in 2024. As of May 2025, expenditure stands at RM 278,015.21, projecting an estimated RM 667,000 by year-end, signalling a trend towards stabilisation. These patterns suggest that while post-pandemic operations established a higher baseline of usage, UMT’s conservation measures, such as improved system maintenance, awareness campaigns, and water-saving infrastructure, are beginning to take effect, positioning the university to further strengthen its commitment to sustainable water management and the achievement of the SDGs.

# Electricity Usage: Analysis Report

Electricity Bil Data from Year 2019 to 2025



Between 2019 and 2025, UMT’s electricity consumption showed marked fluctuations influenced by the COVID-19 pandemic and subsequent recovery. Expenditure stood at RM 9.19 million in 2019, dropped sharply to RM 5.47 million in 2021 during restricted campus activity, and rebounded to a peak of RM 11.06 million in 2023, before slightly easing to RM 10.94 million in 2024. As of May 2025, usage totals RM3.76 million, with projections of around RM 9 million by year-end. While post-pandemic operations have established a higher baseline of electricity use, UMT’s conservation efforts, ranging from system maintenance and energy-awareness campaigns to energy-saving infrastructure, indicate steady progress, reinforcing its commitment to sustainable energy management and alignment with the United Nations SDGs.

FOR THE YEAR 2025

# ESG REPORT



**Social Impact**

# Employment Statistic: Analysis Report

This report evaluates UMT’s workforce diversity and growth trends from 2023 to 2024. Key findings indicate steady progress in gender balance, with female employees consistently comprising a significant majority, while the number of male employees remained unchanged at 280 in both years. During this period, total employment increased from 667 to 689, with female representation rising from 387 to 409. These trends suggest that UMT is actively fostering inclusivity within its workforce.

## Key Metric Analysis

### Female



**409 (Year 2024)**

387 (Year 2023)

### Male

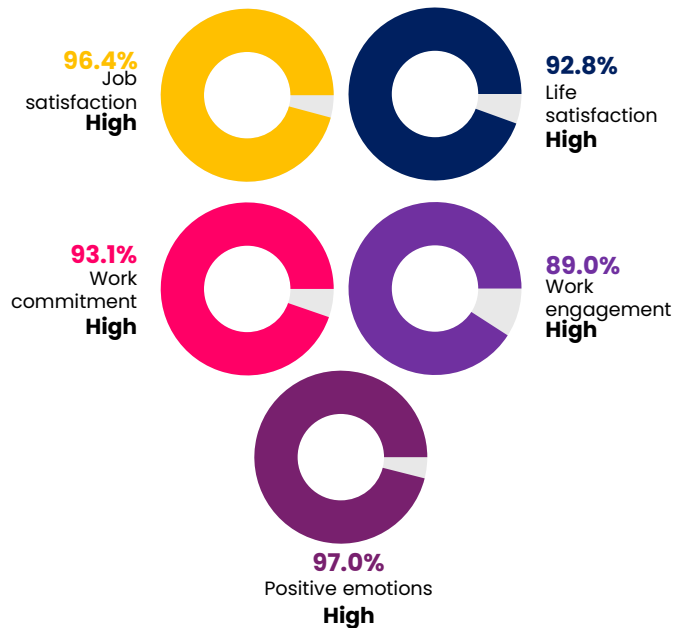


**280 (Year 2024)**

280 (Year 2023)

## Happiness index

Time Frame: Jan 2024 - Dec 2024

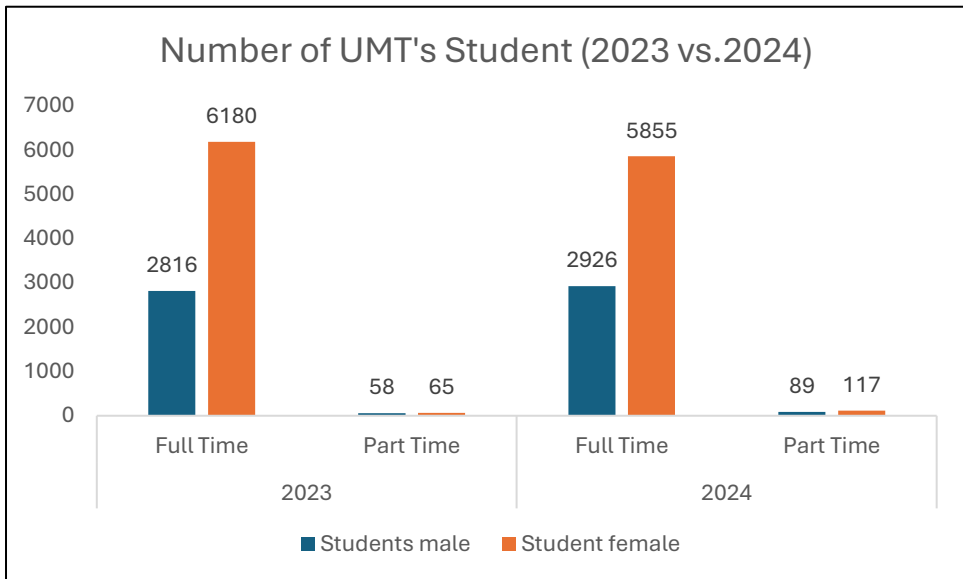


Happiness Index highlights strong employee satisfaction, reflecting effective well-being initiatives. Future initiatives may focus on expanding mental health support, promoting work-life balance, and encouraging a culture of continuous feedback.

# Number of Students: Analysis Report

UMT’s student body has demonstrated robust growth, reaching 9,010 by 2024. This expansion underscores the university’s appeal as an educational leader. However, deeper analysis reveals opportunities to diversify enrollment across disciplines and demographics, ensuring alignment with labor market demands and societal needs.

## Key Metric Analysis



### Female



**5,972 (Year 2024)**  
6,245 (Year 2023)

### Male



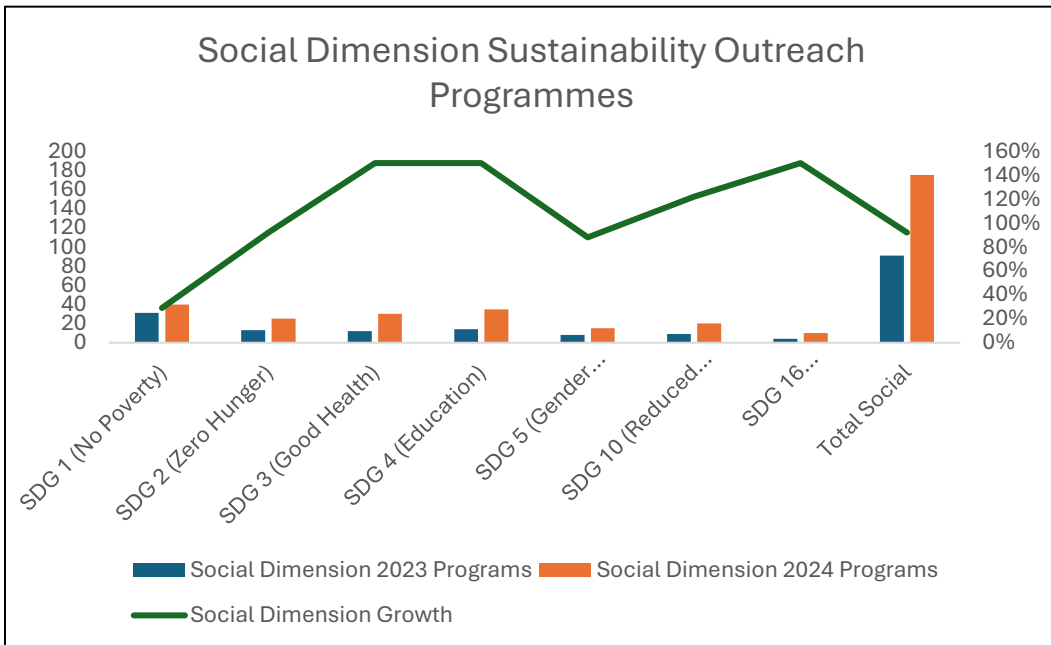
**3,015 (Year 2024)**  
2,874 (Year 2023)

While the current numbers reflect success, strategic adjustments, such as tailored outreach to underserved regions or scholarship programs, could widen access and inclusivity. Enhancing student engagement through sustainability-focused curricula and mentorship will further solidify UMT’s role in shaping future-ready graduates.

# Social Sustainability Training: Analysis Report

Participation in socio-sustainability training increased significantly by 65%, rising from 91 to 150 employees. Notably, 90% of participants expressed interest in attending future sessions. This high level of engagement underscores the programme’s relevance, effectiveness, and growing importance in promoting awareness, responsibility, and sustainable practices within the organisation.

## Key Metric Analysis

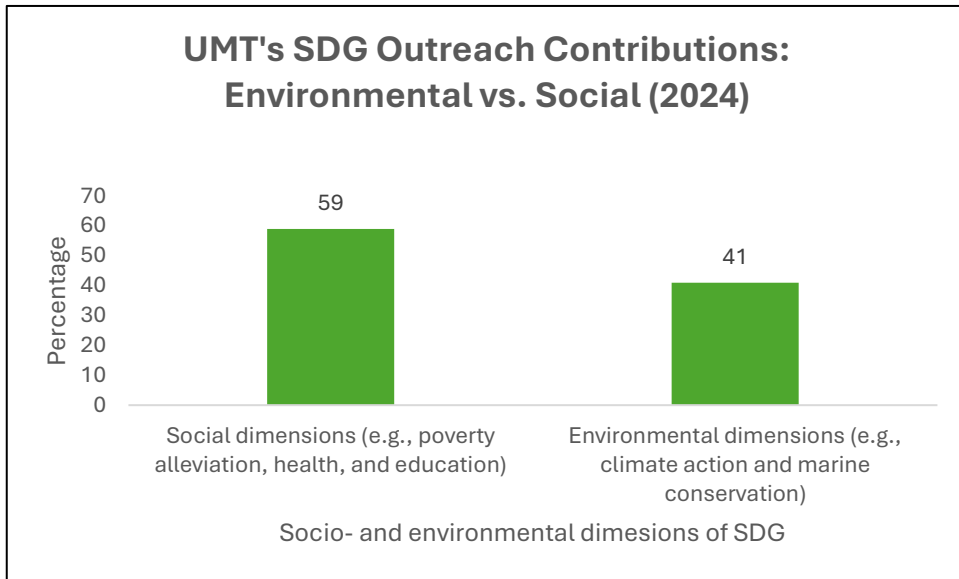


To maximise the impact of its socio-sustainability efforts, UMT could diversify training formats, such as offering hybrid workshops and microlearning modules, to accommodate varied employee schedules. Incorporating metrics to track behavioural changes post-training would help link initiatives to measurable outcomes. Additionally, targeting departments with lower participation rates would support broader, organisation-wide adoption.

# Number of Outreach Programmes: Analysis Report

UMT’s outreach programs achieved remarkable growth (178% increase, from 121 to 251 initiatives), benefiting 8,987 participants in 2024. Female engagement slightly declined (6,245 to 5,972), while male participation rose (2,874 to 3,015), suggesting a need to reassess gender-specific outreach strategies.

## Key Metric Analysis



To enhance its societal impact, UMT is encouraged to refine its outreach strategies through data-driven audience targeting, identifying underserved communities and tailoring programmes to meet their specific needs. Expanding content formats, such as digital outreach via webinars and collaborations with influencers, can further extend the university’s reach. Additionally, linking programmes to measurable outcomes, including enrollment rates and community partnerships, will enable more accurate assessment of return on investment. By adopting these strategies, UMT can strengthen community engagement while sustaining its strong growth trajectory.

# Social Dimension of Sustainability

At the heart of our sustainability journey is a deep commitment to social responsibility, particularly in how we manage and support our workforce. At UMT, our social impact efforts focus on fostering an inclusive, safe, and empowering work environment. We prioritise workforce diversity across gender and age, while actively investing in employee engagement, continuous training, and career development. Additionally, we uphold the highest standards of health, safety, and well-being, reflected in our emphasis on the Happiness Index as a measure of employee satisfaction and quality of life at work.

## Female

## Male

### Employment Statistic

As of 31<sup>st</sup> Dec 2024



**409 (Year 2024)**  
387 (Year 2023)



**280 (Year 2024)**  
280 (Year 2023)

## Female

## Male

### Number of Students

As of 31<sup>st</sup> Dec 2024



**5,972 (Year 2024)**  
6,245 (Year 2023)



**3,015 (Year 2024)**  
2,874 (Year 2023)

### Socio-Sustainability Training

As of 31<sup>st</sup> Dec 2024



**150 (Year 2024)**  
91 (Year 2023)

UMT has made remarkable progress in advancing socio-sustainability, with a **65% increase** in programs from 2023 to 2024.



**9 of 10**

willing to attend the socio-sustainability training in future.

### Outreach Programmes

As of 31<sup>st</sup> Dec 2024



**251 (Year 2024)**  
121 (Year 2023)

UMT has made remarkable progress in advancing outreach programmes, with a **178% increase** in programs from 2023 to 2024.

FOR THE YEAR 2025

# ESG REPORT



## **Governance**

# Integrity Unit

Established under Service Circular No. 6/2013, Effective 1 August 2013.

## Objectives



Good Governance



Institutionalizing Integrity



Detect & Report Misconduct



Law & Regulation Compliance



Complaint Management

*"Integrity is the foundation of trust and good governance"*

**PN. SITI FATIMAH BT ABDULLAH**  
KETUA UNIT INTEGRITI (N13)

**EN. MUHAMAD AMIRUL IQBAL BIN AHMAD SHAFIE**  
PEGAWAI INTEGRITI (N9)

**PN. ROSFAZILA BT BAKAR**  
PEGAWAI INTEGRITI (N9)

**PN. UMMI HELWARIENA BT CHE JUHAN**  
PEN. PEGAWAI TADBIR KANAN (N6)

**PN. SITI FATMAWATI BT DARWIS**  
PEMBANTU TADBIR (P/O) KANAN (N3)

UNIVERSITI MALAYSIA TERENGGANU  
"Terokaan Seluas Lautan, Demi Kelestarian Sejagat" | "Ocean of Knowledge"

**CARTA ORGANISASI**

A series of talks was conducted to address the integrity issues within UMT. Latest policy Highlight:

The Whistleblower Policy and Procedure is formulated to enhance corporate governance by helping to foster an environment where integrity and ethical behaviours are upheld and any illegality, improper conduct and/or wrongdoings in UMT can be exposed.

The Integrity Unit of UMT successfully organised the Integrity and Anti-Corruption Podcast Program in collaboration with the Malaysian Anti-Corruption Commission (MACC) Terengganu, the Anti-Corruption Student Movement Club (AMAR) UMT, AMAR Club of Universiti Sultan Zainal Abidin (UniSZA), and the AMAR Club of Kolej Kemahiran Tinggi Mara (KKTm) Kemaman. The event was conducted virtually.



# Complaint Management

New guidelines for easier Complaint Management using a Manual or Google Form.



Improper Conduct Form



Sexual Harassment Complaint Form

## Proof of Complaint

- Screenshots – Messages / WhatsApp / Facebook
- Correspondence – Official letters
- Email – Evidence from communication
- Phone Calls – Call logs or recordings
- Photos – Supporting images

**CONFIDENTIAL** FORM A: UMT/UI/001 (Pin.1/2024)

**UMT**  
**IMPROPER CONDUCT FORM**  
*(BORANG DAKWAAN SALAH LAKU)*

A PERSONAL PARTICULARS OF WHISTLEBLOWER <i>(BUTIRAN PEMBERI MAKLUMAT)</i>			
Name: <i>(Nama)</i>			
IC No. / Passport No. / Staff No.: <i>(No. IC / No. Pasport / No. Staf)</i>	Nationality: <i>(Warganegara)</i>	Race: <i>(Bangsa)</i>	Age: <i>(Umur)</i>
Designation/Occupation: <i>(Jawatan/Pekerjaan)</i>			
Preferred Contact No.: <i>(Pilihan No. Talian)</i>	Email: <i>(Email)</i>	Suitable time to contact: <i>(Waktu sesuai untuk dihubungi)</i>	
B INFORMATION OF UMT STAFF INVOLVED IN IMPROPER CONDUCT <i>(MAKLUMAT STAF UMT YANG TERLIBAT DALAM SALAH LAKU)</i>			
Name: <i>(Nama)</i>			
Designation/Position: <i>(Jawatan/Pekerjaan)</i>	How do you know this staff? <i>(Bagaimana anda kenal staf ini?)</i>		
C DETAILS OF IMPROPER CONDUCT <i>(MAKLUMAT SALAH LAKU)</i>			
Date: <i>(Tarikh)</i>	Details of Improper Conduct: <i>(Maklumat Salah Laku)</i>		
Time: <i>(Masa)</i>			
Place: <i>(Tempat)</i>			
* Please submit supporting documents (if any): <i>* Sila lampirkan dokumen sokongan (jika ada)</i>			
D ADDITIONAL INFORMATION (IF ANY) <i>(MAKLUMAT TAMBAHAN (JIKA ADA))</i>			
Witness Name 1: <i>(Nama Saksi 1)</i>	Designation/Occupation: <i>(Jawatan/Pekerjaan)</i>	Mobile No.: <i>(No. Telefon)</i>	
Witness Name 2: <i>(Nama Saksi 2)</i>	Designation/Occupation: <i>(Jawatan/Pekerjaan)</i>	Mobile No.: <i>(No. Telefon)</i>	

**CONFIDENTIAL** FORM B: UMT/004/2009 (Pin.1/2024)

**UMT**  
**SEXUAL HARASSMENT COMPLAINT FORM**  
*(BORANG ADUAN GANGGUAN SEKSUAL)*

A PERSONAL PARTICULARS OF COMPLAINANT <i>(BUTIRAN PENGADU)</i>			
Name: <i>(Nama)</i>			
IC No. / Passport No. / Staff No.: <i>(No. IC / No. Pasport / No. Staf)</i>	Nationality: <i>(Warganegara)</i>	Race: <i>(Bangsa)</i>	Age: <i>(Umur)</i>
Designation/Occupation: <i>(Jawatan/Pekerjaan)</i>			
Preferred Contact No.: <i>(Pilihan No. Talian)</i>	Email: <i>(Email)</i>	Suitable time to contact: <i>(Waktu sesuai untuk dihubungi)</i>	
B INFORMATION OF OFFICER SUSPECTED OF HARASSING <i>(MAKLUMAT PEGAWAI YANG DISYAKI MENGGANGGU)</i>			
Name: <i>(Nama)</i>			
Designation and Grade: <i>(Jawatan dan Gred)</i>	Office Address: <i>(Alamat Pejabat)</i>		
C DETAILS OF SEXUAL HARASSMENT <i>(MAKLUMAT GANGGUAN SEKSUAL)</i>			
RECENT HARASSMENT <i>(GANGGUAN TERKINI)</i>		HISTORY OF PREVIOUS HARASSMENT <i>(SEJARAH GANGGUAN TERDAHULU)</i>	
Date: <i>(Tarikh)</i>	Date: <i>(Tarikh)</i>		
Time: <i>(Masa)</i>	Time: <i>(Masa)</i>		
Place: <i>(Tempat)</i>	Place: <i>(Tempat)</i>		
Harassment Made (Please explain): <i>(Gangguan Yang Dilakukan (Sila jelaskan))</i>			
Effect Occurred: <i>(Kesan Yang Dalam)</i>			
* Please attach copy of evidence (if any): <i>* Sila lampirkan bukti (jika ada)</i>			

## Sustainable Development Goals (SDGs)



“The United Nations Sustainable Development Goals (SDGs) provide a comprehensive framework aimed at fostering a more sustainable future for both people and the planet, addressing social, economic, and environmental dimensions. These goals act as a strategic guide for global development efforts through 2030. Our university remains strongly committed to advancing all 17 SDGs by embedding them into our academic programs, campus development, and community outreach. We strive to incorporate the core values of the SDGs into every aspect of our operations, education, and daily practices. This report includes a table summarising our 2024 performance and highlights how our sustainability efforts align with and support the achievement of these global goals.”

# 1 NO POVERTY



## COURSES

14

## RESEARCH

11

## ACTIVITIES

50

### SDG1: END POVERTY IN ALL ITS FORMS EVERYWHERE

**KOLEJ KEMAMPAHAN UMT**

**SENARAI PUSAT PEMINDAHAN SEMENTARA (PPS)**  
KOMPLEKS SERENA UNIVERSITI MALAYSIA TERENGGANU

- ARAS 1: Bilik Serakan - Bilik Aktivi Pelajar (Bilik Siri)
- ARAS 2: Bilik Awan Larat 1 - Penginapan Perempuan
- ARAS 3: Bilik Awan Larat 2 - Penginapan Lelaki

**E-MEL RASMI**  
auiam.banjir@umt.edu.my

**24 HOURS TALIAN 24 JAM**  
Jika Serangan Banih  
Universiti Malaysia Terengganu  
☎ 09-6685059  
☎ 09-6684118

**IMBAS KOD QR**  
bagi mengisi borang tinjauan  
mangsa banjir pelajar (individu)  
Universiti Malaysia Terengganu 2024

**FREEMARKET**  
Semua Percuma!  
Beri yang Elok, Ambil yang Perlu

Tarikh: 1 Jun 2024 (Sabtu)  
Masa: 10 pagi - 12 tengahari  
Tempat: Perkarangan Masjid Mengabang Telipot

Barang yang ada:

- Pakaian dewasa & kanak-kanak
- Keperluan bayi
- Buku & komik
- Perkakas dapur
- Makanan
- Makanan
- Aktivi
- Microbe care day
- Discover the Science World
- Explore
- Sajian Kasih UMT

Terbuka kepada:  
Komuniti Mengabang Telipot

\*Adab budaya kita, minta dengan baik sopan  
\*Bawa bag dan bekas makanan sendiri untuk mengambil barang

**Sarapan Percuma PSNZ**

100 PENGUNJUNG TERAWAL

24 JANUARI 2024 (RABU) | 8.30 PAGI | PINTU UTAMA, PSNZ

UMT aims to become a fair, inclusive, and compassionate university, where individuals from all backgrounds have equitable access to opportunities, vulnerable groups receive upliftment, and everyone can envision a future filled with optimism. We provide various forms of assistance tailored to specific needs, ensuring targeted support across different areas.

# 2 ZERO HUNGER



## COURSES

21

## RESEARCH

39

## ACTIVITIES

29

### SDG2: END HUNGER, ACHIEVE FOOD SECURITY AND IMPROVED NUTRITION AND PROMOTE SUSTAINABILITY AGRICULTURE



Local demand for food is on the rise due to rapid population growth, urbanisation, and increasing affluence. In striving for zero hunger, our overarching aim is to ensure that everyone at UMT has access to a sustainable supply of safe, nutritious food at affordable prices in both the short and long term. Additionally, we support the community by collecting and donating used items to those in need. In the year 2024, UMT carried out the zero hunger programme to both the UMT members and communities, such as the free breakfast programme, distribution of food baskets to the indigenous community, Distribution of Post-Flood Assistance Kits by UMT to the community, distribution of bubur lambuk to UMT staff and so on.

# 3 GOOD HEALTH AND WELL-BEING



## COURSES

40

## RESEARCH

158

## ACTIVITIES

18

### SDG3: ENSURE HEALTHY LIVES AND PROMOTE WELL-BEING FOR ALL AT ALL AGES



Health and education are deeply intertwined. Individuals with higher levels of education are generally more adept at recognising symptoms of illness, more likely to seek medical care, and better informed about diseases. Achieving SDG 3: Good Health and Well-being requires a collaborative, multi-disciplinary approach that integrates education. In this regard, UMT plays a pivotal role in advancing SDG 3. In 2024, UMT has implemented a range of initiatives, including the PKU Caring for Citizen Health Roadshow Program (2PKW), the Healthy Mind Series webinar, and clinical services for smoking and vaping cessation, among others.

# 4 QUALITY EDUCATION



## COURSES

61

## RESEARCH

45

## ACTIVITIES

43

### SDG4: ENSURE INCLUSIVE AND EQUITABLE QUALITY EDUCATION AND PROMOTE LIFELONG LEARNING OPPORTUNITIES FOR ALL



Education unlocks the mind, encourages creativity, and is vital for self-worth. It opens doors to success and a range of opportunities, allowing everyone to contribute to a progressive and flourishing community. Learning benefits all and should be accessible to all. In this context, UMT plays a key role in advancing SDG 3. UMT ensures both comprehensive and equitable education while fostering lifelong learning opportunities for the community. Consequently, UMT has undertaken several initiatives related to SDG 4, both on and off campus. Examples include the Jungle School for indigenous children, programs promoting language and culture for international students, the Tripomundo program for foreign students, and the STEM Program Camp MOSTI 2024 @ Terengganu Series 2, among others.

# 5 GENDER EQUALITY



## COURSES

61

## RESEARCH

9

## ACTIVITIES

11

### SDG5: ACHIEVE GENDER EQUALITY AND EMPOWER ALL WOMEN AND GIRLS

**SEMINAR KASIH KAUNSELING@ADVOKASI Antigangguan Seksual**

"Merentasi gender dan status"

14 - 15 Januari 2024 | 8.00 pagi - 5.00 petang  
Auditorium Mahyudin, UMT

**PERKONGSIAN DAN AKTIVITI MENARIK:**

- Perkongsian isu Gangguan Seksual
- Peranan dan Tanggungjawab Diri
- Perlindungan Mangsa Gangguan Seksual
- Aplikasi Terapi Seni
- Tomwhall Discussion: Jenayah Gangguan Seksual
- Pameran 'booth' PDPRM dan MCPFF
- Pameran 'booth' kelab dan persatuan UMT
- Pertandingan 'Quiz' setiap slot

Disediakan oleh:  
**YDh DCP DATUK MAZLI BIN MAZLAN**  
 Ketua Polis Terengganu

**YBhg. PROFESOR DATO' DR. MAZLAN BIN ABD GHAFFAR**  
 Rakan Canselor  
 Universiti Malaysia Terengganu

Gender bias erodes the foundation of our society and diminishes the value of everyone. It's not merely a human rights concern but also a significant waste of global human potential. By depriving women of equal rights, we deny half the population the opportunity to fully realize their potential. Achieving political, economic, and social equality for women will benefit everyone globally. By working together, we can eliminate prejudice and strive for equal rights and respect for all. At UMT, various programs have been introduced to address this SDG, such as establishing the Halal Innovative Product Hub to support SME entrepreneurs in generating income, stingless bee farming programme, DIY soap project, among other initiatives.

# 6 CLEAN WATER AND SANITATION



**COURSES**

**19**

**RESEARCH**

**97**

**ACTIVITIES**

**9**

## SDG6: ENSURE AVAILABILITY AND SUSTAINABLE MANAGEMENT OF WATER AND SANITATION FOR ALL

The image shows a screenshot of a news article from 'The Straits Times' dated 11 Mar 2024. The article is titled 'Harvesting rainwater for sustainable water supply' and discusses the benefits of rainwater harvesting systems (RHS) in urban areas. It mentions that RHS can serve both domestic and non-domestic purposes, such as irrigation, landscaping, and daily household activities. The article also highlights the importance of proper maintenance and safety measures for RHS systems.

Next to the article is an event invitation for 'WATER TREATMENT: AN INTRODUCTION TO CHEMICAL DOSING' held on Thursday, 27th June 2024, from 10:00 AM to 11:00 AM. The speaker is Ms. Chh Zuhale Binti Zakaria, a Senior Lecturer at UTM. The event is organized by the Sustainability Management Center at UTM.

One-third of the population lacks access to proper sanitation, leading to preventable diseases and deaths. Despite significant progress in providing clean drinking water, the absence of adequate sanitation continues to diminish these gains. By offering affordable sanitation solutions and educating people on hygiene practices, we can eliminate this needless suffering and save lives. At UTM, our researchers have arranged activities and camps that offer the community a unique chance to explore the complex dynamics of eco-hydrology through a series of immersive field studies, workshops led by experts, and hands-on research projects.

# 7 AFFORDABLE AND CLEAN ENERGY



## COURSES

# 21

## RESEARCH

# 147

## ACTIVITIES

# 5

## SDG7: ENSURE ACCESS TO AFFORDABLE, RELIABLE, SUSTAINABLE AND MODERN ENERGY FOR ALL



Climate change and carbon management are crucial to Universiti Malaysia Terengganu, mirroring their global significance. Like many environmentally aware institutions, Universiti Malaysia Terengganu is committed to utilising clean energy, including solar and nuclear power, and is working to incorporate various other renewable energy sources. At UMT, various programs have been introduced to address this SDG, such as Tropical Coastal Zone Development Program (TROCOZ) 2023, Lancet Countdown: Health and Climate Change, Planet Ocean: Time to Change, Scotter beam launching ceremony in UMT, Sustainable Development Localisation Workshop (SDL) in Kuala Nerus, among other initiatives.

# 8 DECENT WORK AND ECONOMIC GROWTH



## COURSES

19

## RESEARCH

100

## ACTIVITIES

38

**SDG8: PROMOTE SUSTAINED, INCLUSIVE AND SUSTAINABLE ECONOMIC GROWTH, FULL AND PRODUCTIVE EMPLOYMENT, AND DECENT WORK FOR ALL**



SDG8 focuses on "promoting sustained, inclusive, and sustainable economic growth, full and productive employment, and decent work for all," a commitment that Universiti Malaysia Terengganu embraces wholeheartedly. This remains a critical issue worldwide, especially in the aftermath of the COVID-19 pandemic. At UMT, we advance this goal by enhancing student employability, supporting and promoting local businesses, including those in the social economy, and offering various training opportunities. Our initiatives include an Innovative project by UMT that helps improve local fishermen's income, the PENJANA KPT-CAP "Smart Logistician" 2023 programme and more. We take pride in our efforts to support this SDG, as we believe that fostering employment and economic growth is fundamental to advancing many other SDGs.

# 9 INDUSTRIES, INNOVATION AND INFRASTRUCTURE



## COURSES

61

## RESEARCH

137

## ACTIVITIES

8

### SDG9: BUILD RESILIENT INFRASTRUCTURE, PROMOTE INCLUSIVE AND SUSTAINABLE INDUSTRIALIZATION AND FOSTER INNOVATION



UMT is dedicated to advancing the United Nations SDGs through its governance, teaching, community involvement, partnerships, and research. Specifically, our staff and students are actively working toward SDG 9: Industry, Innovation, and Infrastructure. At UMT, our efforts include organising Student Research Day 2023, a coral conservation expedition at UMT Marine Natural Research Station on Bidong Island, UMT uses its research findings to improve socioeconomic development in Sedili, UMT and the community replant threatened species, Eye of the Crocodile (*Bruguiera hainesii*), UMT distributes business start-up funds to student entrepreneurs. Innovation practices need to be nurtured to produce innovative, creative future generations and other initiatives. We take great pride in these endeavours, as we believe that fostering advancements in industry, innovation, and infrastructure is crucial for progressing in many other SDGs.

# 10 REDUCED INEQUALITIES



## COURSES

21

## RESEARCH

16

## ACTIVITIES

7

### SDG10: REDUCE INEQUALITY WITHIN AND AMONG COUNTRIES



UMT is dedicated to providing a comprehensive and inclusive higher education experience to students. The university is committed to offering a well-rounded education aimed at producing highly skilled individuals with expertise in technology and science. It adheres to policies that promote gender inclusion and protect individuals with disabilities. Our initiatives, including digital entrepreneurship for sustainable business, the PETRONAS BeDIGITAL Bootcamp 2023 Eastern Zone program, UMT and PTPTN seal agreement, to focus on students' financial welfare, PENJANA KPT-CAP program, Innovation practices need to be nurtured to produce innovative, creative future generations and various other programs, reflect this commitment. We take pride in our work, believing that addressing the disparity between the world's wealthy and impoverished is essential for elevating people and communities from poverty, thereby enhancing health, education, and overall well-being.

# 11 SUSTAINABLE CITIES AND COMMUNITIES



## COURSES

61

## RESEARCH

45

## ACTIVITIES

11

## SDG11: MAKE CITIES AND HUMAN SETTLEMENTS INCLUSIVE, SAFE, RESILIENT, AND SUSTAINABLE



SDG 11 aims to make cities and human settlements inclusive, safe, resilient, and sustainable. At Universiti Malaysia Terengganu, fostering a sustainable campus and surrounding community is a key priority. Educational institutions like UMT are pivotal in advancing this goal. Our efforts, which include UMT, community replant threatened species, Eye of the Crocodile (*Bruguiera hainesii*), Student Research day 2023, UMT instils the importance of shipwreck heritage treasure at Terengganu's waters through SULAM, Environmental Education programme 2023, 3R Knowledge transfer program: Telaga Batin community, Teluk Ketapang and other initiatives, demonstrate this commitment. We are proud of our work, as we believe that creating an environment that supports learning and student comfort significantly contributes to improved health, education, and overall well-being.

# 12 RESPONSIBLE CONSUMPTION AND PRODUCTION



COURSES

21

RESEARCH

120

ACTIVITIES

7

## SDG12: ENSURE SUSTAINABLE CONSUMPTION AND PRODUCTION PATTERNS

**INFO PENJIMATAN TENAGA**

Perkara yang perlu dilakukan sebelum meninggalkan pejabat

- 1 Menutup suis lampu**
- 2 Menutup suis sistem penyaman udara**
- 3 Menutup suis kipas**
- 4 Menutup peralatan elektrik**

selaraskan pada suhu bilik iaitu 24°C.

pastikan pintu atau tingkap sentiasa tertutup

Pejabat Pembangunan dan Harta Universiti Malaysia Terengganu

UMT is dedicated to advancing the United Nations SDGs through its governance, education, community involvement, partnerships, and research. In 2023, UMT launched various SDG 12 initiatives, such as the Innovative project by UMT, which helps improve local fishermen’s income, UMT’s Akuatrop, a HICOE, contributes towards the country’s food security agenda through its aquaculture research, Student Research day 2023, Trash to Cash program, Mushroom Entrepreneurship Program, among others.

# 13 CLIMATE ACTION



## COURSES

61

## RESEARCH

111

## ACTIVITIES

60

## SDG13: TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE AND ITS IMPACTS



UMT aims to establish itself as a leading global university with a significant societal impact. The university strives to set an example in addressing climate change through its research, teaching, and community activities. In 2023, UMT introduced several SDG 13 initiatives, including the Sealife saviour: Beach cleanup program, UMT volunteers plant gelam trees to improve the sustainability of the environmental ecosystem program, and the Lancet Countdown: Health and climate change program. Conservation of mud crabs program, Establishment of Malaysia Shellfish Society and launch of FUSE20223, Malaysia participates in the Antarctic research, Coral conservation expedition at UMT Marine Natural Research Station on Bidong island, and so on. Additionally, UMT is dedicated to environmental sustainability through its policy, which sets goals and targets related to waste, water, energy, and other areas. This policy is enforced across all faculties and involves staff, students, visitors, vendors, and other stakeholders.

# 14 LIFE BELOW WATER



## COURSES

21

## RESEARCH

204

## ACTIVITIES

75

### SDG14: CONSERVE AND SUSTAINABLY USE THE OCEANS, SEAS, AND MARINE RESOURCES FOR SUSTAINABLE DEVELOPMENT



UMT is committed to promoting the United Nations Sustainable Development Goal 14 through its governance, educational programs, community engagement, partnerships, and research efforts. With the sea as a central feature of our campus, marine conservation is vital for preserving the survival and sustainability of local and regionally significant species. In 2023, UMT introduced several initiatives aimed at SDG 14, such as the Sealife Saviour: Beach Cleanup program, Planet Ocean: Time to Change program, Blue School Program Inspiring Future Stewards of the Ocean, INOS and DoFM Quest for a Better Pulau Kapas Marine Park and so on. UMT aims to influence decision-makers both nationally and internationally through its research and to motivate people to take action to safeguard our oceans.

# 15 LIFE ON LAND



## COURSES

# 21

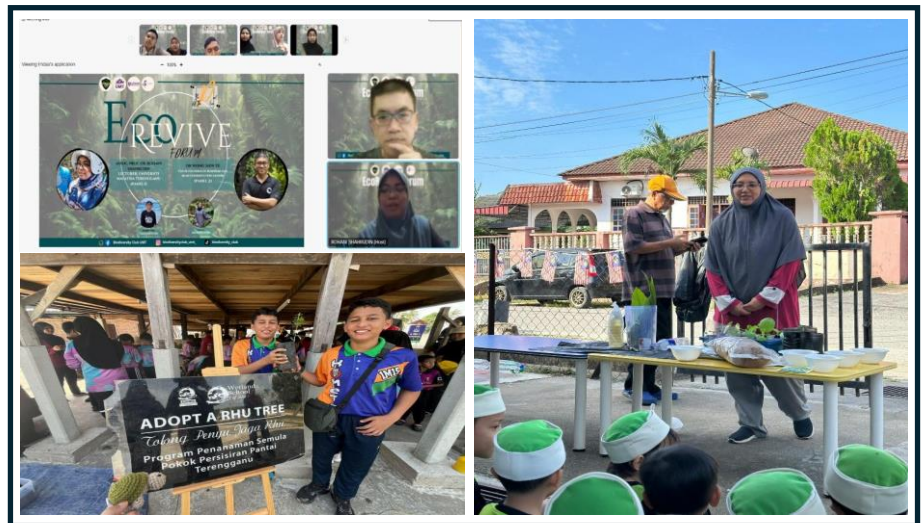
## RESEARCH

# 68

## ACTIVITIES

# 53

### SDG15: PROTECT, RESTORE, AND PROMOTE SUSTAINABLE USE OF TERRESTRIAL ECOSYSTEMS, SUSTAINABLY MANAGE FORESTS, COMBAT DESERTIFICATION, AND HALT, AND REVERSE LAND DEGRADATION, AND HALT BIODIVERSITY LOSS



UMT understands the critical role of funding innovative education and research to protect biodiversity and address climate change. This involves involving both staff and students in interdisciplinary climate research, incorporating environmental conservation and climate studies into academic programs, using the campus as a center for climate and sustainability education, and fostering partnerships with the community on biodiversity efforts. In 2023, UMT launched several initiatives related to SDG 15, including a project to plant gelam trees, UMT community replant threatened species, Eye of the Crocodile (*Bruguiera hainesii*), Workshop on Vertical Planting Technique, Reef & Beach Cleanup Program on Pulau Kapas and so on. UMT aims to shape policy decisions at both national and international levels through its research and encourages proactive measures to protect terrestrial life.

# 16 PEACE, JUSTICE AND STRONG INSTITUTIONS



## COURSES

# 21

## RESEARCH

# 21

## ACTIVITIES

# 9

## SDG16: PROMOTE PEACEFUL AND INCLUSIVE SOCIETIES FOR SUSTAINABLE DEVELOPMENT, PROVIDE ACCESS TO JUSTICE FOR ALL AND BUILD EFFECTIVE, ACCOUNTABLE AND INCLUSIVE INSTITUTIONS AT ALL LEVELS



SDG 16 aims to reduce violence, organised crime, and corruption; eliminate abuse and exploitation; foster participatory practices and transparent institutions; and safeguard fundamental freedoms. Universiti Malaysia Terengganu demonstrates its commitment to SDG 16 through its efforts in promoting peace and effective global governance, while also enhancing inclusive governance structures, implementing robust policies, and upholding ethical conduct on campus. In 2023, UMT introduced various initiatives related to SDG 16, such as Integrity helps build a human civilisation that has good morals and leadership program, the UNESCO Second International Model program and so on. UMT underscores the importance of building strong and accountable institutions to support sustainable development and effective governance.

# 17 PARTNERSHIPS FOR THE GOALS



COURSES

21

RESEARCH

78

ACTIVITIES

28

## SDG17: STRENGTHEN THE MEANS OF IMPLEMENTATION AND REVITALIZE THE GLOBAL PARTNERSHIP FOR SUSTAINABLE DEVELOPMENT



Collaborating with various partners is crucial for effectively achieving the SDGs. Sustainable development is a global challenge that necessitates cooperation among governments, universities, private and voluntary sector organisations, and NGOs worldwide. In this context, UMT welcomed several prominent delegations from different agencies and universities, marking a key advancement in research collaboration and sustainability efforts. These meetings offered an opportunity to discuss sustainability practices, research partnerships, and mutual goals of fostering cooperation and promoting sustainable practices. UMT researchers are committed to transforming the campus into a green campus through joint efforts with various institutions and organisations.



# SDG1 Activities in the Year 2024

**1** NO  
POVERTY



Activities
The "Sharing is Caring" Programme
Stingless Bee Farming in Sedili
Osyter Farming in Sedili
DIY Soap Programme in Sedili
Cuepacscare Hospitality and Surgery Takaful Program
Jungle School
Post Flood Mission Hulu Terengganu
Aquaponics Innovation Project
Smart City Blueprint Study 2030
Stingless Bee Webinar Series 1
Program Penajaan Izajah Dalam Negara (PIDN)
Al-Amin Scholarship (Livelihood Assistance)
Sulung 2.0 Programme
Asnaf to Asnaf' Impact School Students, Generate Side Money for Undergraduates Asnaf Students.
UMT distributed food baskets to the Orang Asli community
Roselpreneur Helps Improve Deaf Community's quality of Life.
Planters Knowledge Transfer Program
Strengthening the Economy of Community in Pulau Redang.
USR Programme with PERKIM Gong Balai Orphanage
UMT Produces High-quality Terengganu Sweet Melons (MMT)
Free Market
Start-up project to Community in Kampung Kubang Badak
Start-up project to Community in Kuala Maras
Sustainable Aquaculture Community Programme
The Oyster Farming Project
UMT Food Preparation Programme with PAWE
Start-up project to Community in Mengabang Telong
Start-up project to Community in Setiu
Entrepreneurship Training Course on Home-based Food Products
Development of the Blue Economy Framework
Knowledge Sharing with Children of PPKI KomStar
Program Pelepasan 4,000 Benih Ikan dan Ketam di Merchang Wetland.
Bingkas Kasih UMT Lessens Burden of Students From Low-income Families
HEPA's Foster Village Programme Improves Community's Standard of Living
UMT Distributes Zakat Aids to New Students
The People's Income Initiative (IPR)
Dermaiswa Financial Aid Programme

## SDG2 Activities in the Year 2024

**2** ZERO HUNGER



### Activities

UMT Collaborate with KLPK in Food Security
MoU between UMT & KLPK
Bantuan Pasca Banjir UMT di Kota Tinggi
Free Breakfast
Cuepacscare Hospitality and Surgery Takaful Program
Majlis Santuni Siswa and Bring Your Own Container Programme
Organic Fertilizer Production Workshop for Sustainable Agriculture
Ramadan Basket Delivery program to the Orang Asli Children of Kampung Sungai Berua
500 Sets of Iftar Food to UMT Students
Sustainable Food Choice Satay for Vegan
UMT Distribute Food Baskets to Indigenous Communities
UMT Distributed 1000 Containers of Bubur Lambuk to Its Citizens
UMT Distributes Food During Ramadan
Planters Knowledge Transfer Program
UMT Adopts Madani Concept for Aidilfitri 2024 Celebration
Prioritise Purchase of Products from Sustainable Sources
Free-Breakfast at UMT Masjid for Students Taking Exams
Nexus Summit: Sustainability in a Changing World (NEXSUM2024).
Program Pendayaan Komuniti Universiti Awam (Komuniti@UniMADANI)
Program Kacau Bubur Asyura Canselori
Hydroponic Vegetable Cultivation Using Recycled Containers
From Farm & Aquatic to Table
Program Fiesta Agro@FPSM 2024
MAHA 2024
Smoked Fish Production with Asam Sauce
Mushroom based product
Empowering Rural Communities: FPSM, UMT's Workshop on Smoked Fish Production and Skill Development
Enjoy Pizza and Save the Environment
Tilapia Farming Project at Kg Mengabang Telong

## SDG3 Activities in the Year 2024

### 3 GOOD HEALTH AND WELL-BEING



#### Activities

Stop Smoking And Vape Clinical Services
Blood Donation Program
Overcome Stress, Avoid Depression
Healthy Mind Series 1/2024 – SMART 2024
Stay Healthy Clinic Info 2/2024 - What Is Vape And Evali?
Depressions Among Students, How Can We Help?
UMT Registrar's Office Sustainable Program in Bukit Kor
A Kickstart in Creating a Healthier Workplace and Better Me
Talk@30minutes: "Tranquility" are You Looking for or Waiting for?
Heart and Dentistry (Program Outreach Basic Needs for All)
UMT Citizens Assembly (Happy Movement) 2024
The PKU Caring for Citizen Health Roadshow Program (2PKW)
Global Collaboration in Data Collection and Publication in Climate Change
Mushroom Based Product
Hatchquest Bootcamp@umt
Chem & Care: Understanding Crayon Hazards Program
Inspireu: Final Year Carnival
Duyong Marina Resort Monsoon Challenge 2024

## SDG4 Activities in the Year 2024

### 4 QUALITY EDUCATION



Activities
Postgraduate Research Seminar for Marine Biology Program
The "Sharing is Caring" Programme
Jungle School
Registration of TROPIMUNDO Programme
Jom Baca Bersama 10 Minit@UMT 2024
Effective Time Management Techniques
Aquaculture Tank Setup and Project for the Community of Kampung Mengabang Telung
The USR PSNZ Program
Guided Visit to PSNZ as Part of the Terengganu Cultural Heritage Tour for Chinese Students
The Open Science Talk Series 1 2024
The British Library Collaborates with Universiti Malaysia Terengganu
Knowledge Transfer Programme with SMK Megat Panji Alam
Promote Language and Culture Among Foreign Students
STEM Education Showcase Exhibition
The STEM Program Camp MOSTI 2024 @ Terengganu Series 2
UMT Food Preparation Programme With PAWE
Information Search and Management Strategies for Academic Writing
Marine Geoscience Outbound Mobility Program
Student Outbound Mobility Program to Xiamen University
Chattogram Veterinary and Animal Sciences University (CVASU), India Student Mobility Program.
Knowledge Sharing with Children of PPKI Komstar
MOU Signing Ceremony Between UMT and Northern KL International College
Hydroponic Vegetable Cultivation using Recycled Containers
Fresh Water Quality Monitoring
Monitoring Oceanography Survey
UMT Launches Malaysia's First Augmented Reality Underwater Artifacts Gallery
LOI Signing Between PSNZ and FPPTMA
EPIC & UMT Collaborate 2U2I Program
Industry and Career Expo Program 2024 (Ice2024) University Malaysia Terengganu
UMT Sets up First Trading Centre in East Coast
Aquaponic House Project at UMT Residential College
Junior Terengganu Robotic Challenge 2024
From Farm & Aquatic to Table
Program Fiesta Agro@fpsm 2024
MAHA 2024

## SDG5, SDG6 & SDG7 Activities in the Year 2024

### 5 GENDER EQUALITY



#### Activities

Anti-Sexual Harassment Seminar program
Stingless Bee Farming in Sedili
Osyter Farming in Sedili
DIY Soap Programme in Sedili
Stingless Bee Webinar Series 1
Industry and career expo program 2024 (ICE2024) Universiti Malaysia Terengganu
The People's Income Initiative (IPR)
Empowering Rural Communities: FPSM, UMT's Workshop on Smoked Fish Production and Skill Development
UMT Organizes Career Expo, Offers 2000 Employment Opportunities
UMT Sets Up First Trading Centre in East Coast
Canselor UMT Berkenan Melancarkan WIFIdx Sempena Majlis Santapan Petang

### 6 CLEAN WATER AND SANITATION



#### Activities

Expert Insights on Monsoon Preparedness
Water resource management camp (KPSA) 2024
Water Resource Management Camp 2024
Marine life exhibit and shipwreck artifacts
Water Treatment: An Introduction to Chemical Dosing Webinar
Summer Science Expedition 2024: Exploring Eco-hydrology
FTKK International Summer School: Exploring Eco-Hydrology
Organization of FTKK International Summer School 2024
Facilitator for Workshop on Developing Mitigation Strategy Proposals

### 7 AFFORDABLE AND CLEAN ENERGY



#### Activities

Programme to Reduce Energy Consumption
Saving the Usage of Energy for University during Weekend
STEM Education Showcase Exhibition
UMT Floating Solar Project
Junior Terengganu Robotic Challenge 2024

## SDGs Activities in the Year 2024

### 8 DECENT WORK AND ECONOMIC GROWTH



Activities
Anti-sexual Harassment Seminar Program
Cuepacscare Hospitality and Surgery Takaful Program
Universities Play Important Role in Efforts to Improve Fishermen's Quality of Life
Organic Fertilizer Production Workshop For Sustainable Agriculture
Mushroom Based Product
The Oyster Farming Project
Empowering Marginalized Communities Socio-economy through Sustainable Cultivation Of Melon Manis Terengganu (MMT UMT) Project
Sustainable Food Choice Satay for Vegan
Workshop on Digitalisation of Tourism in Terengganu
Planters Knowledge Transfer Program
Aquaculture Tank Setup and Project for The Community of Batu Rakit
Strengthening the Economy of Community in Pulau Redang.
The 2nd Series 2 Oyster Breeding Workshop
Aquaculture Programme for Community
Start-up Project to Community in Kampung Kubang Badak
Sustainable Management of Land, Agriculture and Tourism Outreach Programme
Sustainable Aquaculture Community Programme
Start-up Project to Community in Kuala Maras
Start-up Project to Community in Mengabang Telong
Start-up Project to Community in Setiu
UMT Citizens Assembly (Happy Movement) 2024
Program Fiesta Agro@FPSM 2024
Entrepreneurship Training Course on Home-based Food Products
EPIC & UMT Collaborate 2U2I Program
UMT Organizes Career Expo, Offers 2000 Employment Opportunities
UMT Sets Up First Trading Centre in East Coast
UMT Organizes Career Expo, Offers 2000 Employment Opportunities
Aquaponic House Project at UMT Residential College
UMT, MFPC Collaboration Helps Graduates Become Registered Financial Planners
National Climate Governance Summit 2024

**9 INDUSTRY, INNOVATION AND INFRASTRUCTURE**



**Activities**

- Cuepacscare Hospitality and Surgery Takaful Program
- Workshop on Digitalisation of Tourism in Terengganu
- Arduino-Based Innovation Competition Organized by PASTEM
- UMT Sets Up First Trading Centre in East Coast
- Junior Terengganu Robotic Challenge 2024
- Program Fiesta Agro@FPSM 2024
- The Smart IoT System for Aquaculture Purpose program
- Cooperation Initiative for the Modernization of Fisheries

**10 REDUCED INEQUALITIES**



**Activities**

- Cuepacscare Hospitality and Surgery Takaful Program
- UMT Food Preparation Programme with PAWE
- Industry and Career Expo Program 2024 (ICE2024) Universiti Malaysia Terengganu
- The People's Income Initiative (IPR)
- UMT Sets Up First Trading Centre in East Coast
- UMT Organizes Career Expo, Offers 2000 Employment Opportunities
- Canselor UMT Berkenan Melancarkan WIFIdx Sempena Majlis Santapan Petang

**11 SUSTAINABLE CITIES AND COMMUNITIES**



**Activities**

- Arts, Heritage and Cultural Talk Webinar
- Guided Visit to PSNZ as Part of the Terengganu Cultural Heritage Tour for Chinese Students
- Sustainable Management of Land, Agriculture and Tourism Outreach Programme
- Sayap Seni Wau
- Marine Life Exhibit and Shipwreck Artifacts
- UMT Food Preparation Programme with PAWE
- Program Fiesta Agro@FPSM 2024
- UMT Launches Malaysia's First Augmented Reality Underwater Artifacts Gallery
- Bidong Island as Marine Artifact Excavation Training Centre
- Hydroponic Vegetable Cultivation using Recycled Containers
- Empowering Rural Communities: FPSM, UMT's Workshop on Smoked Fish Production and Skill Development

## SDG12 & SDG13 Activities in the Year 2024

### 12 RESPONSIBLE CONSUMPTION AND PRODUCTION



#### Activities

Mushroom Based Product  
 Free Market  
 Program Fiesta Agro@FPSM 2024  
 Trash to Cash Program  
 Hydroponic Vegetable Cultivation Using Recycled Containers  
 Empowering Rural Communities: FPSM, UMT's Workshop on Smoked Fish Production and Skill Development  
 Smoked Fish Production with Asam Sauce

### 13 CLIMATE ACTION



#### Activities

UMT collaborate with China in Food Security and Climate Change  
 Eco-Brick Plastics  
 Rain Harvesting Project  
 Majlis Santuni Siswa and Bring Your Own Container Programme  
 Workshop on Climate Change and Demographic Shift of Malaysia Towards the Year 2050  
 Plogging Activity  
 "Earth Protectors" Ocean Conservation Video Screening  
 Tourism Malaysia Collaborated with UMT in CSR Programme  
 Bridging the Gap Between Industries & Ocean Science  
 Aquaculture Tank Setup and Project for the Community of Batu Rakit  
 Plastic Free Wednesday  
 The 2nd Series 2 Oyster Breeding Workshop  
 Recycling Programme at PASTI Bestari Zainal Abidin Gong Badak  
 Marine Habitat Monitoring Event at Pulau Kapas  
 Aquaculture Programme for Community  
 SustainaBlue Launch Event  
 World Ocean Week Exhibition  
 Beach Clean-Up  
 Talk on Law, Safety and Protection of Animals  
 Coral Health & Restoration along Thai-Malaysia Peninsula  
 Creative Video Creating for World Environment Day  
 Sharing Session on "Peat Swamp Ecology and Biodiversity"  
 World Rainforest Day 2024  
 Release of King Crab Seedlings on the Beach near the UMT Campus  
 Climate Action Plan Shared with Swcorp  
 The Forest Gardening Programme  
 Nexus Summit: Sustainability in a Changing World (NEXSUM2024).  
 Growing Green for the Land of Ice  
 Development of the Blue Economy Framework

## SDG14 Activities in the Year 2024



Activities
Marine Biology USR
Eco-Brick Plastics
ALS Malaysia and Microplastic Research Interest Group Webinar
Universities Play Important Role in Efforts to Improve Fishermen's Quality of Life
Registration of TROPIMUNDO Programme
Webinar on Unveiling the Wonders of Amphibian Fauna
"Earth Protectors" Ocean Conservation Video Screening
Bridging the Gap Between Industries & Ocean Science
UMT Ocean Conservation Campaign
UNESCO Water Resilience Challenge 2024: Road to Bali Program
Coral Conservation Campaign 3.0 Bidong Island
Marine Habitat Monitoring Event at Pulau Kapas
Coral Health & Restoration along Thai-Malaysia Peninsula
Water Resource Management Camp 2024
Sharing Session on "Peat Swamp Ecology and Biodiversity
Sustainable Management of Land, Agriculture and Tourism Outreach Programme
Marine Life Exhibit and Shipwreck Artifacts
Innovation for Sustaining Fisheries Resources
Release of King Crab Seedlings on the Beach near the UMT Campus
The Oyster Farming Project
Nexus Summit: Sustainability in a Changing World (NEXSUM2024).
Growing Green for the Land of Ice
UMT signs MoU with NAHRIM
Collaboration between UMT and the Department of Fisheries (DoF) for the ecological study of the Red-Tailed Catfish ( <i>Hemibagrus wyckioides</i> )
Development of the Blue Economy Framework
Program Pelepasan 4,000 Benih Ikan dan Ketam di Merchang Wetland.
Fresh Water Quality Monitoring
OceanX Malaysia Mission 2024
Monitoring Oceanography Survey
Global Unity for Climate Action
Proof of UMT's Commitment to Protecting Planet Earth
Reefs Marine Education and Awareness
Marine Education & Awareness Day 2024
"Explore the Majestic Mangrove" Raises Environmental Awareness
The Smart IoT System for Aquaculture Purpose program
Cooperation Initiative for the Modernization of Fisheries
Tilapia farming project at Kg Mengabang Telong

## SDG15 Activities in the Year 2024

**15** LIFE  
ON LAND



Activities
Biofloc Community Project at Besut, Terengganu
Mushroom Based Product
Plogging Activity
Bird Watching Technical Sharing Session
Webinar on Unveiling the Wonders of Amphibian Fauna
World Migratory Bird Day 2024
The 2024 Biodiversity Priority Area Framework (BioCF) Workshop
Plastic Free Wednesday
Recycling Programme at PASTI Bestari Zainal Abidin Gong Badak
Augmented Reality 3D Exhibition
World Otter Day
Beach Cleanup, Walk, Plog and Plant at Telaga Papan Beach, Setiu Terengganu
Talk on Law, Safety and Protection of Animals
Environmental Sustainability Tour Programme
Creative Video Creating for World Environment Day
Environmental Poem/Poetry Writing Competition
Sustainable Management of Land, Agriculture and Tourism Outreach Programme
Sharing Session on "Peat Swamp Ecology and Biodiversity"
World Rainforest Day 2024
Youth-led Sustainability Movement Talk
The Forest Gardening Programme
Nexus Summit: Sustainability in a Changing World (NEXSUM2024).
Growing Green for The Land of Ice
Global Unity for Climate Action
Bring Your Own Food Container Teaches UMT Community to Conserve Environment
Hydroponic Vegetable Cultivation Using Recycled Containers
Proof of UMT's Commitment to Protecting Planet Earth
Birds of Terengganu: A Day of Discovery and Conservation Workshop
UMT Campaigns Against Single-use Plastics to Help Conserve Environment
"Explore the Majestic Mangrove" Raises Environmental Awareness
Enjoy Pizza and Save the Environment

## SDG16 & SDG17 Activities in the Year 2024

### 16 PEACE, JUSTICE AND STRONG INSTITUTIONS



#### Activities

Anti-Sexual Harassment Seminar Program
Workshop on Sustainable Policy Paper
Code of Conduct: What Does Officers Need to Know?
Cheating vs Behavior: "What Officers Need to Know? Webinar
Integrity Strengthening Program-Work Culture of High-Performance Civil Servants
Integrity and Anti-Corruption Podcast Program
Malam Gema Ambang Merdeka 2024
Leadership Development Program for Asnaf Phase 1
UMT Celebrates the National Integrity Day

### 17 PARTNERSHIPS FOR THE GOALS



#### Activities

UMT Collaborate with China in Food Security and Climate Change
UMT Collaborate with KLPK in Food security
UMTJ, LKIM Collaborate with National Fisheries Industry Power
Presentation Session of the National Clean Air Master Plan
ScieLet Programme Discussion with Mie University
Collaboration between UMT and Sarawak Forestry Corporation
SMART City Blueprint Study 2030
UMT, NEST Collaborate to Build the Socioeconomic Development of Rural Communities
Sustainable Aquaculture MOA exchange Between NKUST & UMT
Workshop Involving the Management of Sustainable Campus-Environmental Awards (KLAAS) with the Ministry of Higher Education and the Malaysian Ministry of Education
Workshop Involving Sustainable Campus Management (JAS KPM & KPT)
UMT Strengthen Global Climate Change Research Partnerthsip in London
The British Library Collaborates with Universiti Malaysia Terengganu
UMT Jaya Holdings Sdn Bhd Sign MoU with PENENTU and SABASUN PERUNCIT Sdn Bhd
UMT, Yayasan PETRONAS, ECERDC Join Expertise to Help Community Product Entrepreneurs
MoU Signing Ceremony between UMT and Northern KL International College
MoU Signing between UMT and the Centre for Strategic Research (CSR) Qatar
LOI Signing between PSNZ and FPPTMA
Global Collaboration in Data Collection and Publication in Climate Change
UMT signs LOI with Dtree Sdn Bhd
UMT, Thailand's Charoen Pokphand Group sign MoU to Focus on Crustacean Breeding and Fisheries Sustainability



## ECONOMY

Building on the biosphere and society, the economic goals direct attention towards industry, innovation and infrastructure; reduced inequalities; responsible consumption and production; and decent work and economic growth that is decoupled from environmental degradation.



## SOCIETY

The goals addressing societal issues, call for the eradication of poverty, and the improvement of social justice, peace and good health. Social development depends upon a protected biosphere. In addition, the goals on clean energy, no poverty, zero hunger, peace and justice, sustainable cities, education, gender equality and good health are the foundation for the goals related to the economy.



## BIOSPHERE

Protecting the biosphere is an essential precondition for social justice and economic development. If we do not achieve the goals related to clean water and sanitation, life below water, life on land, and climate action, the world will fail to achieve the remaining goals.



# UMT's Year 2024 MoU's and Collaboration Covering Each SDGs

UMT-KLPK MoU boosts sustainable agriculture via research-sharing, tech transfer, and commercialization to enhance productivity and industry growth (10 Jan 2024).



UMT-Sarawak Forestry Corp collaborates on biodiversity research, coastal community impact studies, and student training (31 Jan 2024).



# UMT's Year 2024 MoUs and Collaboration Covering Each SDGs

UMT signed two MoUs in China: With Heilongjiang River Fisheries Research Institute (HRFRI), establishing a joint laboratory focused on sustainable fisheries, climate change adaptation, and aquaculture food security and with Shantou University (STU), which expands marine conservation efforts (1 Jan 2024).



UMT Partners with CUEPACS for Employee Protection Programs (31 Jan 2024 – 1 Feb 2024).





## KUNJUNGI KAMI DI KAUNTER

**TARIKH:**  
31 Januari & 1 Februari 2024 (Rabu & Khamis)

**MASA KAUNTER:**  
9.00 Pagi - 4.00 Petang

**LOKASI:**  
Dataran Fakulti Perniagaan, Ekonomi dan Pembangunan Sosial (FPEPS), UMT

Sila bawa bersama salinan MyKad & Penyata Gaji terakhir untuk memudahkan pendaftaran anda.

**HARGA ISTIMEWA UNTUK KAKITANGAN UNIVERSITI AWAM MALAYSIA**

CUEPACS <sup>case</sup>		CUEPACSPA	
Pelanggan Individu	Perindungan Sehingga RM 40,000	Hanya RM 6	Perindungan Sehingga RM 220,000
Pelanggan Keluarga	Perindungan Sehingga RM 60,000	Hanya RM 12	Perindungan Sehingga RM 440,000



# UMT's Year 2024 MoUs and Collaboration Covering Each SDGs

UMT's Jaya Holdings (UMTJ) signed an MoU with the Malaysian Fisheries Development Board (LKIM) to modernise Malaysia's fishing industry through advanced technology (drones, IoT, Super Apps) and sustainable practices. This collaboration focuses on ESG compliance, safety, productivity, and cost efficiency, while pioneering "Big Data" solutions for real-time fisheries analysis. (16 Jan 2024).

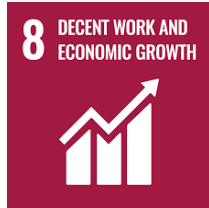


UMT partnered with the Nature Sustainable Ecosystem Society (NEST) to uplift rural communities through eco-tourism, training locals as birdwatching guides at Kenyir Lake. This boosts local economies while promoting biodiversity conservation (16 April 2024).



# UMT's Year 2024 MoUs and Collaboration Covering Each SDGs

UMT Jaya Holdings signed an MoU with PENENTU & SABASUN PERUNCIT to boost tilapia farming profitability through UMT's Rapid Biofloc tech (15 July 2024).



MoU Signing Ceremony between UMT and Northern KL International College (29 Aug 2024).



# UMT's Year 2024 MoUs and Collaboration Covering Each SDGs

UMT and NAHRIM signed an MoU (14/8/2024) to advance water research, tackling pollution, coastal erosion, floods, and microplastics in Malaysian waters, building on five years of collaborative projects like mangrove carbon studies and sea-level rise impact assessments (14 Aug 2024).

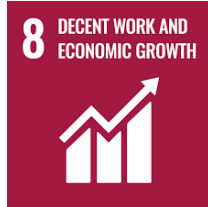


UMT and Qatar's Centre for Strategic Research (CSR) signed a landmark MoU to advance marine and maritime collaboration, focusing on aquaculture, ocean engineering, renewable energy, and professional training programs. This partnership strengthens the blue economy through joint research, innovation, and specialised courses in port management and marine systems (21 Sep 2024).



# UMT's Year 2024 MoUs and Collaboration Covering Each SDGs

EPIC Berhad signed an MoU with UMT to implement the 2u2i Program (2 years university + 2 years industry), enhancing student employability through hands-on industry experience. (10 Oct 2024).

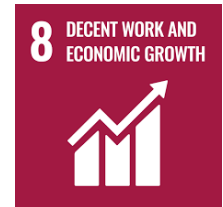


UMT's Perpustakaan Sultanah Nur Zahirah signed an LOI with Indonesia's FPPTMA (10/10/2024) to enhance academic library collaboration, witnessed by UMT's Deputy Rector (Academic & International Relations) Dr. Moh. Ali Imron. This partnership advances knowledge-sharing and resource development (21 Sep 2024).



# UMT's Year 2024 MoU's and Collaboration Covering Each SDGs

UMT partners with MFPC to offer Bachelor of Finance students RFP-certified courses, enhancing employability. Graduates can earn the Registered Financial Planner credential by completing six equivalent modules and a final preparatory module (27 Oct 2024).



UMT's Institute of Tropical Biodiversity and Sustainable Development signed an LOI with Dtree Pharma Sdn Bhd to advance academic exchange, joint R&D, and community initiatives. The partnership focuses on sustainable development, biodiversity, and institutional knowledge-sharing, aiming to drive innovation and regional growth (11 Nov 2024).



# UMT's Year 2024 MoUs and Collaboration Covering Each SDGs

UMT signed an MoU with Thailand's Charoen Pokphand Group to collaborate on crustacean breeding and fisheries sustainability. The partnership aims to advance research, technology transfer, and training while addressing global food security. This aligns with UMT's expertise in maritime sciences and supports sustainable aquaculture development. (27 Oct 2024).



UMT has embarked on a transformative fisheries modernisation initiative through strategic collaborations with UYU Technology Co. Ltd. (China), South China Sea Fisheries Research Institute, and EAP Shrimplify Sdn. Bhd. The partnership focuses on pioneering indoor shrimp farming technologies and implementing a Smart Closed-Loop Aquaculture System at the AKUATROP Hatchery (11 Dec 2024).



# UMT's Year 2024 MoUs and Collaboration Covering Each SDGs

UMT has entered a landmark collaboration with the British Library to facilitate the exchange of rare manuscripts and historical research journals. This partnership will enhance academic research, preserve cultural heritage, and promote international knowledge sharing. (27 May 2024).



UMT solidified its leadership in climate research through a strategic MoU signing with The Lancet Countdown, witnessed by Malaysia's Minister of Higher Education. This exclusive Southeast Asian partnership will amplify UMT's expertise in marine ecosystems and climate health impacts (22 May 2024).



# UMT's Year 2024 MoUs and Collaboration Covering Each SDGs

UMT Explores Strategic Waste Management Collaboration with SWCorp Malaysia (Solid Waste Management and Public Cleaning Corporation (11 July 2024).



UMT has recently signed a three-party Memorandum of Understanding (MoU) with the University of Plymouth (UoP) and Peninsula College Georgetown (PCG) to launch an innovative Academic Twinning Programme (27 May 2024).



## Courses Focused on SDGs

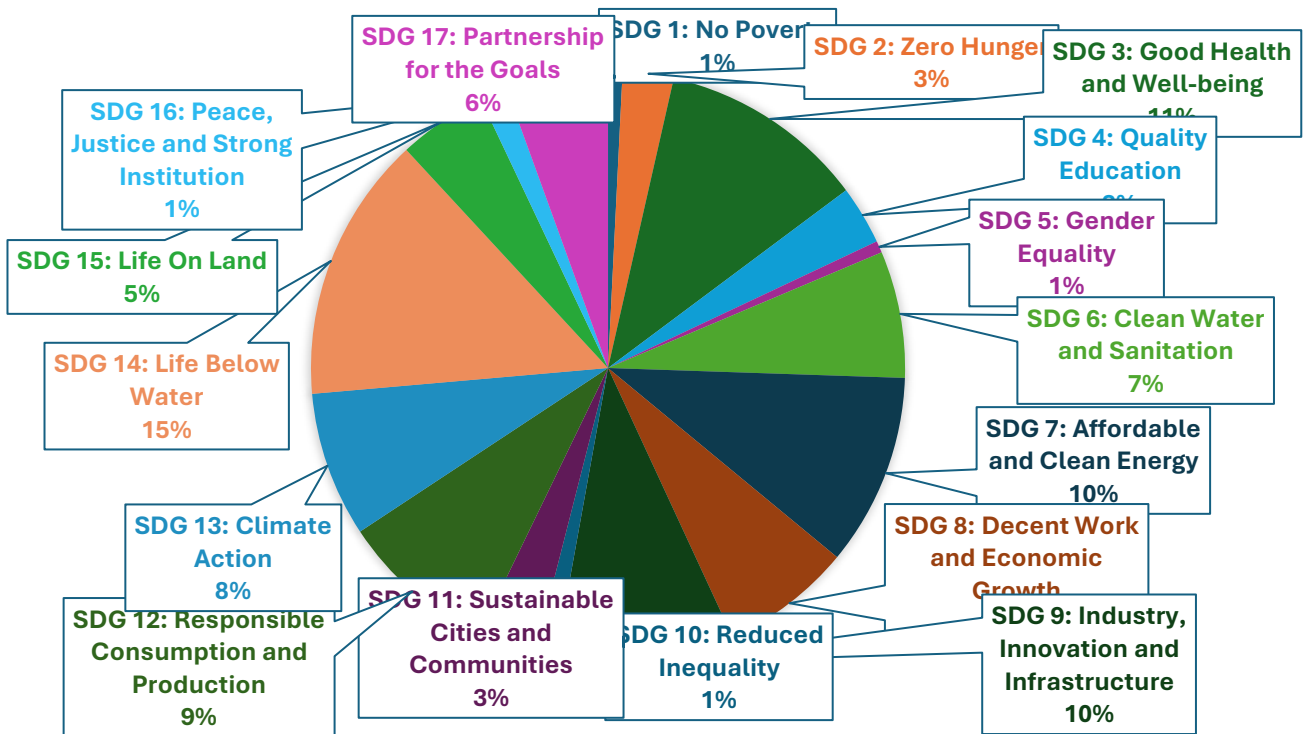
Bil.	Fakulti	Bilangan kursus berkaitan sustainability	Bilangan Kursus Keseluruhan
1	FTKK	149	370
2	FSSM	156	462
3	FSKM	46	208
4	FPSM	133	344
5	FPM	48	179
6	FPEPS	174	455
7	PPAL	59	197
		765	2215
		Peratus %	34.53724605

With a global population exceeding 7 billion and limited natural resources, individuals and societies need to adopt sustainable ways of living. Acting responsibly today is critical, as our choices directly influence the well-being of future generations and the health of our planet. Education for Sustainable Development (ESD) is a powerful tool in reshaping mindsets and behaviours toward building a more sustainable future.

Globally, ESD is increasingly recognised as an integral part of quality education and a key driver of sustainable development. The SDGs, adopted by the international community to guide global progress over 15 years, highlight ESD in Target 4.7 of SDG 4 (Quality Education). This target emphasises the importance of ESD and related approaches, such as Global Citizenship Education. UNESCO leads the implementation of the Global Action Programme (GAP) on ESD to support these efforts.

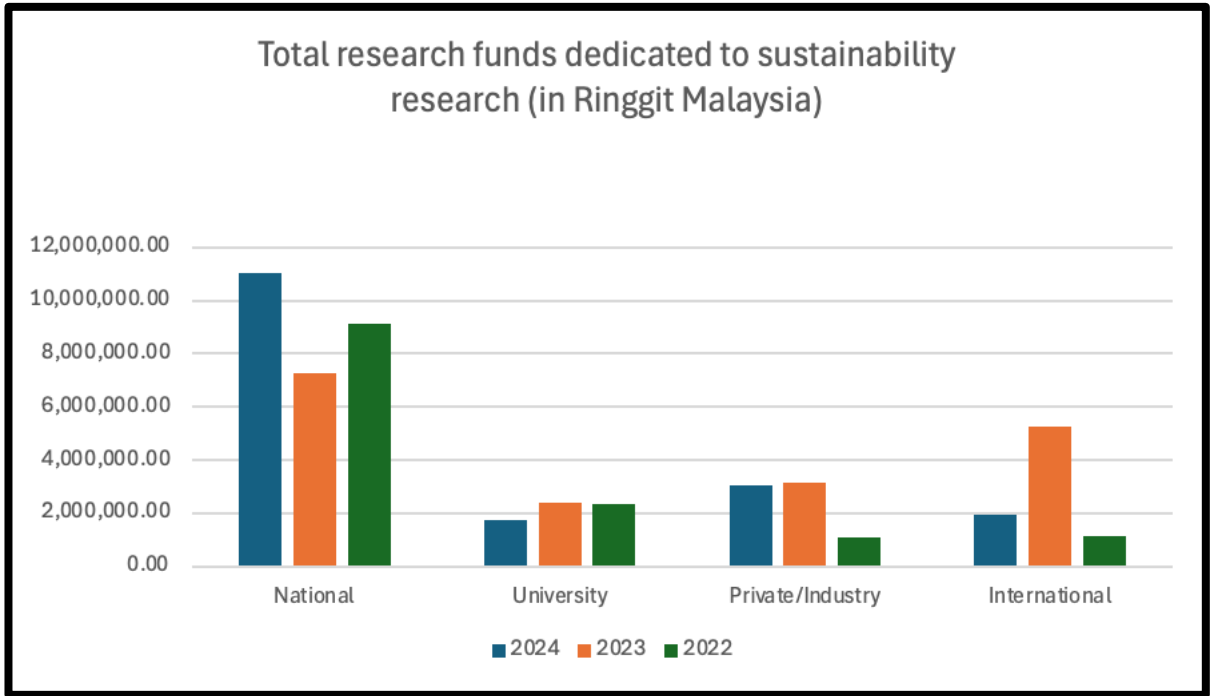
At UMT, we are committed to embedding sustainability into our academic offerings. Through the Malaysian Qualifications Agency (MQA) curriculum framework, we have integrated sustainability concepts across various courses and modules. These include subjects explicitly focused on sustainability as well as those featuring "Sustainability in Practice" as part of the core curriculum. As of the 2024/25 academic session, 765 out of 2,215 UMT courses have embedded sustainability elements, demonstrating our dedication to nurturing environmentally conscious graduates.

## SDG-Focused Research Output (Publications)



At UMT, the top three focuses of SDG-related publications are SDG 14: Life Below Water (15%), SDG 3: Good Health and Well-being (11%), and SDG 7: Affordable and Clean Energy (10%), reflecting the university's commitment to addressing critical global challenges through impactful research. The prominence of Life Below Water highlights UMT's strength in marine and environmental sciences, advancing knowledge in sustainable fisheries, pollution control, and marine conservation to protect biodiversity, regulate climate, and safeguard livelihoods. The strong focus on Good Health and Well-being demonstrates the institution's dedication to improving health outcomes, strengthening healthcare systems, and promoting well-being across all ages as a foundation for sustainable societies. Meanwhile, the emphasis on Affordable and Clean Energy underscores UMT's role in driving the transition towards renewable energy solutions that mitigate climate change, reduce greenhouse gas emissions, and expand access to clean energy for all.

# Total research funds dedicated to sustainability research



Amount of funding dedicated to sustainability research(RM)			
Category of research funding	2024	2023	2022
National	11,033,036.71	7,293,180.50	9,104,004
University	1,729,900	2,392,885.00	2,360,985
Private/Industry	3,044,478.28	3,158,255.99	1,107,623
International	1,930,898.23	5,258,186.64	1,123,797

Every year, a portion of UMT’s annual operating expenses is allocated to support research and development (R&D) activities. The internal R&D fund is distributed among UMT researchers to enhance research efforts and outcomes, with a particular focus on projects that advance sustainability and align with the SDGs. In contrast, external research funds are primarily provided by the Ministry of Higher Education (MoHE), other government ministries and agencies, the private sector, and both local and global foundations. In 2023, UMT secured a total of 274 research grants, amounting to approximately RM 18,102,508. The largest portion of this funding came from university sources (179 grants), followed by government and government-related agencies (60 grants), private sector contributions (21 grants), and international sources (14 grants). All research grants obtained by UMT researchers support sustainability and directly contribute to the UN’s SDG agenda, with the majority focused on SDG14 (Life Below Water), reflecting UMT’s expertise in Marine Science and Aquatic Resources. The total research funding dedicated to sustainability has increased from 2021 to 2023. In 2023, the sustainability research fund amounted to RM 18,102,508, surpassing the RM 13,696,408.32 allocated in 2022 and the RM 17,583,443.45 in 2021. UMT integrates environmental sustainability into our research, teaching, and daily operations and encourages our partners to do the same. We are committed to reducing our direct and indirect carbon emissions (scope 1, 2, and 3) and achieving net zero by 2050, encompassing our operations, events, and research activities.

# Appendices

## Environmental Strategy and Policies

UMT has established a comprehensive environmental strategy and policies to guide its journey toward sustainability. These policies emphasise conservation of natural resources, reduction of carbon emissions, and protection of biodiversity, particularly marine ecosystems, in line with UMT's coastal identity. UMT integrates sustainability principles into teaching, research, campus operations, and community engagement, ensuring a holistic approach.

Key initiatives include implementing waste segregation and recycling programs, reducing single-use plastics, enhancing green infrastructure, and promoting sustainable procurement practices. These efforts align with national environmental policies and the United Nations Sustainable Development Goals, reinforcing UMT's role as a green campus.

UMT is committed to being a green campus by integrating sustainability into education, research, and operations. Through responsible resource management, waste reduction, and biodiversity protection, we align with national policies and the SDGs, fostering a resilient, environmentally conscious community for a sustainable future.



### Plastic-free Wednesday

Office of the Deputy Vice Chancellor, Students Affairs and Alumni (HEPA) UMT has initiated a plastic-free programme to support sustainability and a green campus every Wednesday

## Development of the Blue Economy Framework

The Office of the State Secretary of Perak invited the Oceanography and Environment Institute (INOS) of UMT to share skills and experience in shaping the blue economy framework for the state of Perak.



# Bring Your Own Food Container Teaches UMT Community to Conserve the Environment

UMT is actively running a campaign that prohibits the use of single-use plastic food containers on its campus. The initiative is introduced as a measure to protect the environment and reduce plastic pollution, a topic widely discussed around the world currently.



The university, located on the East Coast and focusing on marine science and aquatic resources, began to advocate environmental conservation several years ago, involving food carnivals and the celebration of festivals where participants bring their own reusable utensils. UMT sees a need to take the initiative to the next level and thus makes the initiative's awareness campaign an important agenda item as the university tries to promote good daily life practices.

# UMT Campaigns Against Single-Use Plastics to Help Conserve Environment

The current amount of plastic waste is at a critical level, and this will not only lead to negative impacts towards the country’s waste management system but also damage the global ecosystem. According to a report by an energy provider in the United Kingdom, Malaysia is among the top ten countries contributing significantly to the world’s plastic pollution, which is a worrying situation. Uncontrolled use of plastics is often committed by consumers who prioritise convenience without considering the long-term environmental effects and their impact on future generations. Aware of this situation, UMT, through its Centre for Sustainable Development and the Green Ranger UMT, has taken the initiative to conduct a campaign to increase the public’s awareness regarding the danger of single-use plastics.



## UMT Campaign for Marine Conservation

Kuala Nerus, 18 November 2024 – Aware of the urgent need to protect the marine ecosystem facing greater threats, the REEFS Research Interest Group of UMT has taken a proactive measure by organising the REEFS Marine Education & Awareness Programme 2024. Taking place at Terengganu Science and Creativity Centre, the programme aimed to improve the public's awareness towards the importance of protecting the marine ecosystem that has been recognised as one of the country's natural treasures. Jointly organised by The International SeaKeepers Society, Aquawalk Sdn. Bhd., and Kapas Conservation Society, the programme combined elements of education, awareness, and involvement from the community, especially school students.



# Facilitator for Workshop on Developing Mitigation Strategy Proposals

Dr. Mohd Sofiyan Sulaiman, our expert in hydrology, was invited to facilitate a workshop focused on developing research proposals and mitigation strategies. During the session, he also provided a comprehensive briefing to the CEO of ECER, the Director of the Terengganu Water Management Authority, and the State Planning Unit (UPEN) of Terengganu on key issues related to water resources, erosion, and sedimentation in the relevant basins.



## Environmental Compliance (Regulatory Compliance)

UMT upholds strict adherence to environmental laws and regulatory requirements at the national and state levels, ensuring compliance in waste management, water discharge, laboratory operations, and energy usage. All campus operations, including waste management, water discharge, laboratory practices, and energy usage, comply with guidelines set by the authorities. Regular audits, monitoring, and reporting are conducted to ensure compliance with the Environmental Quality Act 1974 and other relevant regulations. UMT also provides training for staff and students to strengthen awareness of regulatory obligations. By embedding compliance into daily operations, UMT minimises environmental risks, safeguards ecosystems, and demonstrates accountability in sustainable campus governance.

In an effort to strengthen the UMT lecturers' and other participants' ability to write UMT sustainability policy papers, the Sustainable Management Center (PPL) has organised a policy paper writing workshop to help them improve their professionalism and effectiveness in preparing policy papers. In addition, this workshop also served as a platform for dialogue between UMT researchers and external agencies, such as the Terengganu Strategic & Integrity Institute (TSIS), the Department of Environment (JAS) and Plan Malaysia. We recognise that sustainable development issues cannot be addressed in silos or in a vacuum. Therefore, beyond our agency (PPL), it was also important that we reflected in our policy paper the diversity of views and ideas from key stakeholders. The UMT PPL will make a concerted effort to engage as many stakeholders as possible, including government, businesses, youth organisations, and civil society.



# Talk on Law, Safety and Protection of Animals

UMT welcomed representatives from the Malaysia Animal Association following the recent LOI signing. Led by President Mr. Arie Dwi Andika, with Madam Nur Syuhada Kamaruddin and Mr. Khuarizmi Al Mafaza, the visit featured talks on animal law, safety, protection, and equine challenges. Hosted under Assoc. Prof. Dr. Chong Ju Lian's Wildlife Management course, the session attracted 55 participants including UMT students, AMEC, Ikhwan Stud Farm, and YDSM. Discussions with UMT academicians explored future collaborations. Supported by the Faculty of Science and Marine Environment, the event strengthened UMT's role in animal welfare education and partnerships.



# Workshop Involving the Management of Sustainable Campus

20-21 MAY 2024, SHAH ALAM - The Department of Environment (DOE) has organised a Workshop Involving the Implementation of Sustainable Campuses - Environmental Awards (KLAAS) together with the Ministry of Higher Education (KPT) and the Ministry of Education Malaysia (KPM) located at Mardhiyyah Hotel & Suites, Shah Alam. KLAAS is a DOE initiative in an effort to cultivate sustainability practices in the environment of Higher Education Institutions (HEIs) through empowering the role of campus residents.



## Biodiversity and Ecosystem Preservation

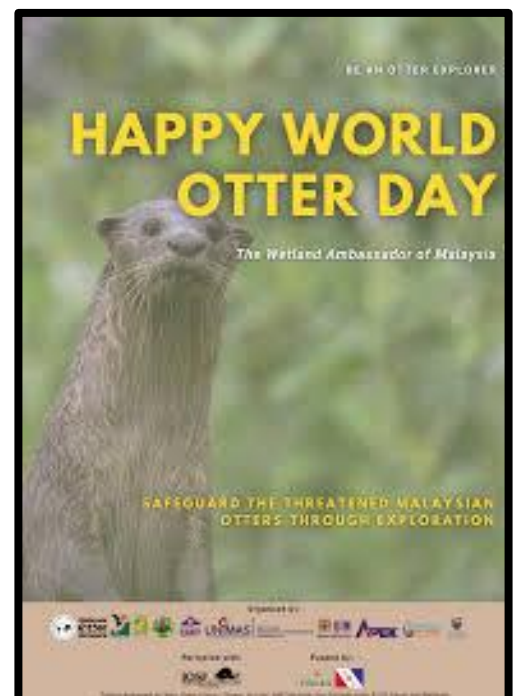
UMT has been actively engaged in various initiatives throughout 2024 aimed at promoting biodiversity conservation and ecosystem preservation. These efforts align with global environmental goals, particularly the United Nations Sustainable Development Goals (SDGs), such as SDG 13 (Climate Action), SDG 14 (Life Below Water) and SDG 15 (Life On Land)

UMT believes in taking action and involving local communities in the call to combat climate change and its devastating effects. A total of 60 programs were conducted as part of UMT's initiative to support SDG 13, such as rain harvesting project, beach clean-up programs, workshop on climate change, World Ocean week and others.



In 2024, as part of UMT's support for SDG14, a total of 75 programs were organised and conducted. These programs included river clean up, plastic-free days, coral conservation and others.

UMT is aware and actively supports SDG 15 Life on land with a total of 53 programs organised in 2024. These included the Biodiversity Priority Area Framework workshop, World Otter Day, sharing sessions on bird watching, peat swamp, forest gardening program and others.







UNIVERSITI MALAYSIA TERENGGANU

**UMT**

**TERIMA KASIH / *THANK YOU***

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