



UNIVERSITI
MALAYSIA
KELANTAN



SUSTAINABLE
DEVELOPMENT **GOALS**
UNIVERSITI MALAYSIA KELANTAN

REPORT



2023

2023

UNIVERSITI MALAYSIA KELANTAN

SUSTAINABLE DEVELOPMENT GOALS REPORT

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SUSTAINABLE
DEVELOPMENT **GOALS**

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Preface

The Sustainable Development Goals (SDGs), also known as Global Goals, are a set of 17 integrated and interrelated goals to end poverty, protect the planet and ensure that humanity enjoys peace and prosperity by 2030.

University of Malaysia Kelantan (UMK) is aware of its duty to make a significant contribution to the creation and sharing of knowledge in order to address the issues outlined in the 2030 agenda for sustainable development.

As an entrepreneurship-focused university, we address the SDGs through our research, publishing, student learning, and public engagement activities. UMK is delighted to be ranked 601-800 in THE impact ranking 2023 and 801-1000 for engineering and physical sciences, marking the first time ever in the TOP 1500 World University Ranking 2023.

This report is intended for a broad audience encompassing the local, national, and international public, commercial, NGO, policy, and educational sectors. We hope it inspires additional ideas, projects, and possibilities for collaboration.

Introduction

Universiti Malaysia Kelantan (UMK) is a higher education institution located in Kelantan, Malaysia. Established in 2006, UMK is one of the youngest universities in the country.

UMK is known for its focus on entrepreneurship. The institution aims to promote regional development and uplift the socio-economic status of the local community through education, research, and innovation.

The academic programs at UMK span a wide range of disciplines, including business and management, entrepreneurship, agro-industry, information technology, creative technology, hospitality, and tourism.

One of the distinguishing features of UMK is its emphasis on practical learning and experiential education. The university encourages its students to engage in hands-on activities, fieldwork, and industry collaborations to develop real-world skills and enhance their employability.

UMK is also committed to research and innovation, with a particular focus on agro-based industries, entrepreneurship, and sustainable development.



**"ENTREPRENEURSHIP
IS OUR THRUST"**

Overall, Universiti Malaysia Kelantan strives to be a catalyst for socioeconomic transformation in Kelantan and beyond. Through its educational programs, research initiatives, and community engagement, UMK aims to produce graduates who are equipped with the knowledge, skills, and entrepreneurial mindset to contribute positively to society.

SDGs @ UMK

Universiti Malaysia Kelantan (UMK) is deeply committed to addressing the United Nations Sustainable Development Goals (SDGs) and actively contributes to their achievement. The university recognizes the importance of sustainable development in creating a better future for present and future generations. Universiti Malaysia Kelantan is dedicated to integrating sustainability principles into its core operations, educational programs, and research initiatives. Through its commitments to the SDGs, UMK strives to create a positive impact, inspire change, and contribute to a more sustainable and inclusive future.



UMK SDGs

UMK advocacy towards SDG's

This report delivers the importance of SDGs at UMK within six areas which is staff training, grants obtained and the value of grant, publication related to SDGs , citations of publications and SDG related course unit



ACTIVITIES

Projects, activities and training related to SDG that involves UMK students and staff



RESEARCH GRANT

Awarded project grant to UMK that is related to SDGs



RESEARCH PROVISION

Total grant income to UMK that is related to SDGs



PUBLICATIONS

Total of publications related to SDG's for the current year



CITATIONS

Total of people referred to the publication related to SDG at UMK



SDG RELATED COURSE UNIT

Total of SDG's related course unit at UMK

SDG 1: NO POVERTY

1 NO
POVERTY



"End poverty in all its form everywhere"



Activities

43



Research Grant

9



Grant Provision (RM)

346,800.00



Publications

62



Citations

612



SDG related course Unit

27

RESEARCH INSTITUTE



Institute for Poverty Research and Management (InsPeK)

UMK's Institute of Poverty Research and Management (InsPeK) is a Center of Excellence (CoE). InsPeK focuses on research and services related to poverty and well-being. InsPeK has won "One In A Million Innovation Award" and (ii) Excellence "RC/ COE Award". The six (6) main pillars of InsPeK are:

1. Research
2. Capacity building
3. Database
4. Social enterprise and business
5. Policy
6. Collaboration hub



LEARNING AND STUDENTS

Accommodation

11 Free Rental House to Asnaf Student & Students Residential Collage.

Food Bank

Food bank to 500 Asnaf students with free meal coupon everyday & Dry Food for students

Unipreneur 2.0

Center for Entrepreneurship Development and Education (CEED), UMK Entrepreneurship Institute (UMKEI) and Bank Rakyat are teaming up to host UniPreneur 2.0 involving 24 UMK entrepreneurship students. This program designed for student entrepreneurs from asnaf/B40 student entrepreneurs at local universities. This initiative aims to help these students develop their entrepreneurial skills by providing them with financial support, training, guidance, ongoing monitoring by their university's entrepreneurial center, and financial management assistance from Bank Rakyat. Regular training and guidance are provided to participants through five training modules, which cover various aspects of entrepreneurship:

1. Building an Entrepreneurial Spirit
2. Business Model Canvas
3. Managing Finance in a Business Environment
4. Branding and Digital Marketing
5. Crowdfunding



Ramadhan Food Basket:

Ramadan food basket assistance for 70 UMK students from Jeli and Kota Campuses.

Education Support

RM 1 Million is invested in Internet data support for students and 250 selected students received Free laptop amounted RM1500 per year.

COMMUNITY ENGAGEMENT

Program for "Ayam Kampung Kacuk"

UMK as a centre for dissemination and transfer of knowledge to the community and the community intends to establish a Kampung Kacuk Poultry Industry Complex at the Rehabilitation Centre. The total number of participants involved in this project was 100 people comprising members of the disabled and disabled families. Among the impacts of the project are the construction of 70 chicken coops, an increase in the number of poultry farms: to 35,000 chickens/rounds, an increase in estimated income of RM 1750/participant for each round as well as the construction of a feed factory with a production capacity of 5 tonnes/per week. The project will also benefit the farmers around Kelantan.



1752

Entered UMK through special path

8044

Students Recieved Financial Aid

Transportation

Buses and Van in and out of campus for students

Student Financial Support

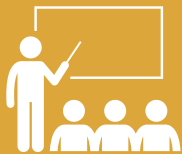
Scholarship awarded for student for each semester

SDG 2: ZERO HUNGER

2 ZERO HUNGER



"End hunger, achieve food security, improved nutrition and promote sustainable agriculture"



Activities

30



Research Grant

23



Grant Provision (RM)

1,074,845.3



Publications

133



Citations

1,789



SDG related course Unit

27

RESEARCH INSTITUTE



Institute of Food Security and Sustainable Agriculture (IFSSA)

The Institute of Food Security and Sustainable Agriculture was established as a research and innovation center in the field of agriculture, agricultural technology and food safety. Align with its vision, IFSSA has set a mission to transform agriculture as an economic resource through increased research and innovation in the field of agriculture, agricultural technology and food security by providing expertise, skills, and technological know-how consulting to relevant stakeholders for socioeconomic development.

Agro Techno Park (ATP)



ATP is a platform that is capable of driving the development of the agricultural sector. The Commercial Durian Plantation Project is one of the high-impact initiatives under the Agro Techno Park (ATP) Key Performance Index (KPI) for the period 2020-2025. It is expected to generate significant impact and substantial income for the university in the future. This project serves as an initiative to establish a Commercial Durian Plot, aimed at generating income for the university, serving as a reference for students and lecturers, and benefiting the local community at large.

COMMUNITY ENGAGEMENT

Kursus Intensif Pembangunan Tanaman Durian Musang King & Duri Hitam



The Intensive Course on the Cultivation of Musang King and Black Thorn Durian was held at BK5, UMK Jeli Campus. A heartfelt thank you goes to all the participants who traveled from near and far, solely to gain valuable knowledge from our guest speaker, Tuan Haji Mohd Lokman bin Mohd Isa.



LEARNING & STUDENTS



The Faculty of Earth Sciences (FSB) was organizing the Bekwoh@FSB program. The highlight of the program is the bekwoh activity, which involves a communal effort in preparing and cooking various ingredients for an exciting lunch menu. This meal will be shared by all staff and students, creating a relaxed and enjoyable atmosphere that promotes collaboration and a sense of community within FSB.



Amanah Raya Berhad (AmanahRaya) has contributed RM64,000 to Universiti Malaysia Kelantan (UMK) through the AmanahRaya CSR Program. The donation, aimed at supporting underprivileged students, was provided in the form of meal coupons under the Sumbangan Kupon Makanan Pelajar Asnaf initiative. The handover ceremony took place at the Dewan Keusahawanan, UMK Kampus Kota, Pengkalan Chepa, Kota Bharu, Kelantan.

518

Student graduates in agriculture and aquaculture courses in 2023



The Faculty of Earth Sciences is delighted to reinvigorate the FSB Charity Cupboard, under the management of the FSB Welfare & Recreation Club. In this spirit of generosity, we warmly invite contributions, either in the form of food or monetary donations, to support students during their iftar. As a token of appreciation, each donor will receive a certificate of recognition for their valued contribution to the community.

SDG 3 : GOOD HEALTH AND WELL-BEING

3 GOOD HEALTH AND WELL-BEING



"Ensure healthy lives and promote well-being for all at all ages"



Activities



Research Grant



Grant Provision (RM)

14

29

1,344,267.9



Publications



Citations



SDG related course Unit

1,460

19,985

27

COMMUNITY ENGAGEMENT



UNIVERSITY HEALTH CENTER (PKU)

In line with its commitment to prioritizing student well-being, Universiti Malaysia Kelantan (UMK) has equipped each campus with a health center, offering various medical treatment facilities and services. The health center is designed to provide students comprehensive care, including outpatient treatment, emergency services, dental treatment, and public health initiatives.

Blood Donation Program

2
2023

UMK is aware of its responsibility in taking care of the well being of the community. Therefore, UMK always welcomes health bodies to donate blood at UMK where it have a positive impact on the well-being of individuals in need. Donating blood is a way to give the gift of life to others and contribute to the greater good of society.



LEARNING & STUDENTS

Mental Health Support

UMK Health Center with counseling unit provides mental health clinics for every students who need assistance.

Free-Smoking Clinic

Free smoking clinics were provided to the UMK staff and students which need help in stop smoking

Student Counseling and Career Section

Counseling services are managed by certified counselors who can conduct guidance and counseling ethically. This service is provided to all students either voluntarily or referral by certain parties.

Dental Clinics

Education regarding dental health were also provided to all the students and staff where UMK has their own.



SDG 4 : QUALITY EDUCATION

4 QUALITY EDUCATION



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



Activities

24



Research Grant

57



Grant Provision (RM)

830,056.00



Publications

143



Citations

1,152



SDG related course Unit

27

COMMUNITY ENGAGEMENT



EXHIBITION AND CLOSING CEREMONY OF THE "PRESERVATION OF THE REBANA KERCONG OF KAMPUNG LAUT, KELANTAN" PROJECT

This project is an initiative to preserve and restore the diminishing art of Rebana Kercong performance heritage through the AFCP (Ambassadors Fund for Cultural Preservation) grant in collaboration between UMK and the U.S. Embassy in Kuala Lumpur. The closing ceremony will be officiated by the U.S. Ambassador to Malaysia, Brian D. McFeeters.

BUSINESS BRANDING COURSES

The implementation of this course is to provide exposure to the participants of the People's Income Initiative Program (Program Inisiatif Pendapatan Rakyat; IPR) related to the branding of the business they are engaged in. In addition, they are also given exposure related to how to communicate in business to build their self-confidence. Hopefully the knowledge presented will benefit the participants.



CENTRE OF EXCELLENCE AND ACADEMIC DEVELOPMENT (CAED)

CAED is a center under the Office of the Deputy Vice-Chancellor (Academic and International), Universiti Malaysia Kelantan (UMK). CAED manages all teaching and learning innovations, academic leadership, curriculum development, and assessment and evaluation.

LEARNING & STUDENTS



Massive Open Online Courses (MOOC)

Start your online learning journey at Universiti Malaysia Kelantan. Improve your knowledge. Let's learn from our experts.



Massive Open Online Courses (MOOCs)

MOOCs are free online courses providing affordable and flexible learning. They offer quality education at scale. Professional development programs train lecturers, while workshops enhance teaching and learning, aiming to deliver accessible education and improve effectiveness.

PhD program : 7
Masters program : 12
Degree Programmes : 31
Foundation Program : 3



Library and Open Access

Our Office of Library and Knowledge Management in three campuses provide endless reference using library digital webopac where we can find books, ebooks, journals, movies, music, docs, and more.



American Corner

American Corner at The Office of Library and Knowledge Management, Universiti Malaysia Kelantan (UMK) was officiated by signing of Memorandum of Understanding (MoU) between UMK and US Embassy, Public Affairs Section. The main objective is to establish a corner which will gather materials about the US and organize activities which will be benefited by UMK community and the local community.

SDG 5 : GENDER EQUALITY

5 GENDER EQUALITY



"Achieve gender equality and empower all women and girls"



Activities

12



Research Grant

2



Grant Provision (RM)

58,400.00



Publications

60



Citations

496



SDG related course Unit

15

COMMUNITY ENGAGEMENT



The Women Entrepreneurs Program "Digital Preneur" featuring Prof. Dato' Dr. Nik Maharan Nik Muhammad, Deputy Vice-Chancellor (Academic and International), and Puan Aspiyati Jusoh from DESB Training & Coaching PLT, will be aired on TV Alhijrah (Assalamualaikum Program) on 25th November 2023, from 7:30 to 10:00 a.m.



The Muhibbah Tenpin Bowling Championship 2023

The Muhibbah Tenpin Bowling Championship 2023 took place at Lite Superbowl JB Mydin Tunjong, Kota Bharu, featuring teams from educational institutions across Kelantan. The women's team, consisting of Siti Suhaila Mohd Nawi, Noor Alizam Shafie, Norshafikah Shaari, and Wan Nurhayati Wan Yusuf, secured third place with a pinfall of 2688.

Women and sports at UMK

UMK ensures no discrimination against female students and employees, offering them equal opportunities in administration, management, and sports. The university takes pride in the accomplishments of its students and staff across different sports disciplines.

We Care We Share

UMK's Faculty of Hospitality, Tourism, and Wellness (FHPK), in partnership with the Founder of Santai Travel Magazine and Kelantan Women Entrepreneurs Club (KUWAK), organized the "We Care We Share" program. It provided assistance to 200 flood victims, including UMK students, staff, and the local community, offering cash, food, and essential supplies.



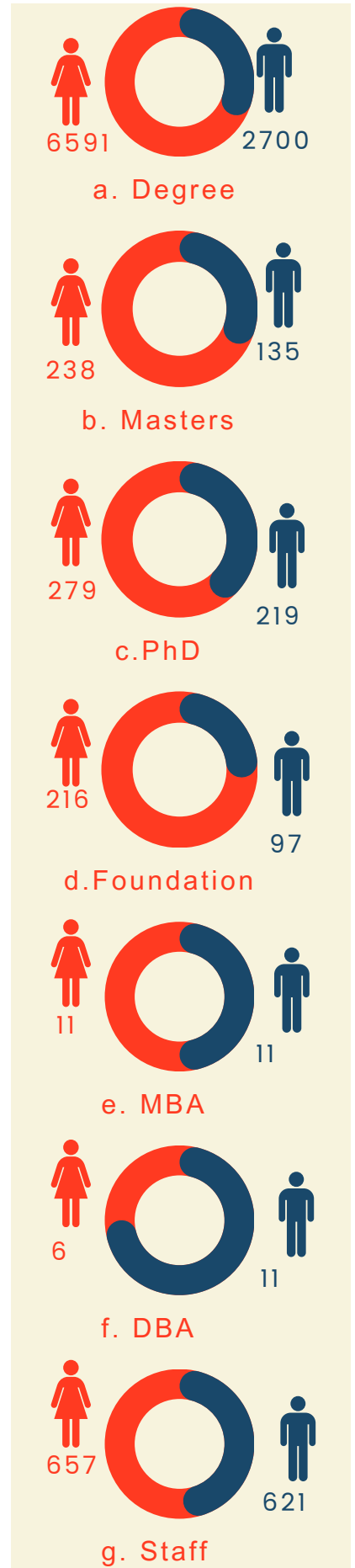
LEARNING & STUDENTS

Talent's Night Mahasiswa UMK

This segment was presented by students with a traditional theme. Various performances were showcased, including theater, singing, dancing, and more.



Gender Population at UMK



SDG 6 : CLEAN WATER AND SANITATION

6 CLEAN WATER AND SANITATION



"Ensure availability and sustainable management of water and sanitation for all"



Activities



Research Grant



Grant Provision (RM)

31

6

338,648.00



Publications



Citations



SDG related course Unit

229

2,297

28

COMMUNITY ENGAGEMENT



Water in the community

UMK provide educational opportunities for local communities to learn about good water management.



The Cakna Komuniti Program by FBKT in Kampung Redip, Pos Hau, Gua Musang

Battery-powered portable water filters were also donated by Associate Professor Dr. Hafidz Yusoff as a result of his research to the residents of Kampung Redip, Pos Hau, Gua Musang.



LEARNING & STUDENTS



Empowering Tomorrow's Water Stewards: Unleash the Power of Sustainable Science

We provide advanced education in clean water and sanitation. For instance, students in Environmental Sustainability Science study water treatment technologies and hydrology. Our postgraduate programs in natural resource management and sustainable sciences emphasize applying science and technology to sustain a balanced ecosystem, fostering a technology-oriented society. Sustainable Science highlights the integration of science and technology in environmental management to achieve sustainable development and enhance the quality of life.



Student Activities :

- Kem Pemimpin Muda Perihatin Air Peringkat Kebangsaan 2022 on 27-29 March 2022
- Earth Camp 4.0 on 27-29th October 2022
- Academic Visit to Air Kelantan Sdn. Bhd on 4th July 2022
- Field learning program for Environmental Sustainability Students on 16th June 2022



SDG 7 : AFFORDABLE AND CLEAN ENERGY

7 AFFORDABLE AND CLEAN ENERGY



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



Activities

43



Research Grant

4



Grant Provision (RM)

86,000.00



Publications

208



Citations

3039

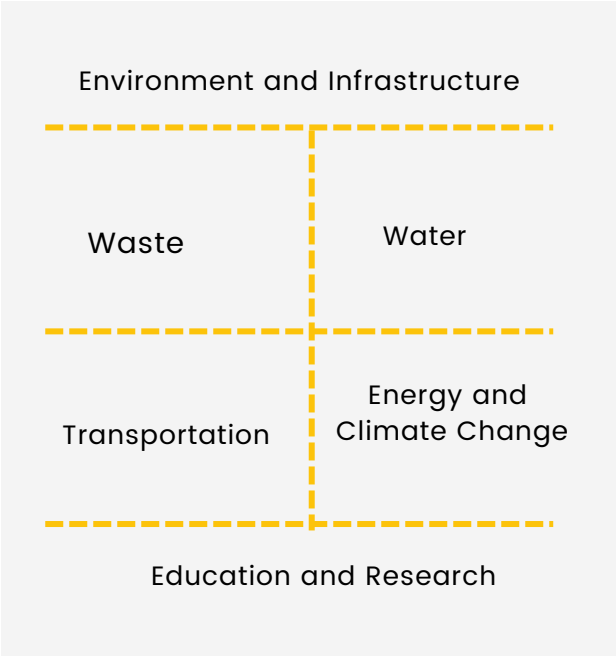


SDG related course Unit

15

GREEN CAMPUS MASTERPLAN 2020-2025

Pelan Induk Kampus Hijau UMK 2020-2025 is a policy document that covers the management guideline for six areas which is :



Natural lighting buildings



Natural Ventilation buildings



COMMUNITY ENGAGEMENTS



MOF Social Enterprise -Solar Fish Drying

Design development and testing of commercial scale hybrid solar dryer for drying fish. This was fund by the Ministry of Finance to ensure that the project work well through the platform provided by UMK and ultimately impact the target group of B40 and asnaf including UMK students to do enterprise or business.



Bamboo energy pellet collaboration with (Ain Biomass Sdn. Bhd.)

Our collaboration with Ain Biomass Sdn. Bhd focuses on bamboo energy pellet production. Together, we aim to develop and produce sustainable biomass pellets using bamboo as a renewable energy source. This initiative aligns with our commitment to environmentally friendly energy solutions and contributes to a greener future.



LEARNING & STUDENTS



Three conference was held which is RCSST 2022, Bioengineering and Technology Symposium 2022 and Materials Technology Challenge. This conferences cover the Energy Technology topics which promotes local community to learn about the importance of energy efficiency and clean energy.

SDG 8 : DECENT WORK AND ECONOMIC GROWTH

8 DECENT WORK AND ECONOMIC GROWTH



"Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all"



Activities

19



Research Grant

63



Grant Provision(RM)

1,545,170.00



Publications

322



Citations

2727



SDG related course Unit

81

GLOBAL ENTREPRENURSHIP RESEARCH AND INNOVATION CENTRE (GERIC)

GERIC a place where dedicated teams work around the clock to tackle critical challenges. We empower our community with innovative ideas to thrive in a constantly changing world. As an Enterprise Innovation Lab, we help businesses navigate challenges and excel. We collaborate with public and private organizations to achieve sustained success. We also work with government agencies to create community-focused policies. Through the Ignite Venture Lab, we support startups and high-impact businesses. We share our insights through various channels to make the world smarter and more innovative.



INSTITUTE FOR SMALL MEDIUM ENTERPRISES (ISME)

Institute for a Small & Medium Enterprises (ISME) is set up as a center of excellence which focus on business incubators, market intelligence for SMEs, research and development and commercialization, post-graduate programs and lifelong learning programs.



COMMUNITY ENGAGEMENT



DESB-UMK-UiTM and APWINC are collaborating to launch a Digital Entrepreneurship Program. This initiative aims to provide holistic training for women entrepreneurs, focusing on digital skills and e-commerce. Participants will receive comprehensive guidance on expanding their business through effective digital strategies, including online marketing, website management, data analysis, and e-commerce techniques.

LEARNING & STUDENTS



CORPORATE DIRECTORS TRAINING PROGRAMME (CDTP) TRAILBLAZER CUP 2023

The Corporate Directors Training Programme – Trailblazer Cup 2023, organized by UMK Entrepreneurship Institute (UMKEI) through the Centre of Entrepreneurship Education and Development (CEED), in collaboration with SSM, Bank Simpanan Nasional (BSN), and Ignite Venture Lab (IVL), aims to support the startup ecosystem for UMK student entrepreneurs.

After receiving enthusiastic participation from students across all campuses, 40 student company directors were selected based on their creative and innovative business potential. They will receive comprehensive entrepreneurial training from experienced lecturers and business founders. The program's key focus is to help these companies grow legally while preparing the Trailblazer Cup talents to represent UMK in national and international business pitching competitions.

SDG 9 : INDUSTRY, INNOVATION AND INFRASTRUCTURE

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



" Build resilient infrastructure, promote inclusive and sustainable industrialization, and foster innovation"



Activities



Research Grant



Grant Provision (RM)

28

87

2543900.9



Publications



Citations



SDG related course Unit

290

3288

15

COMMUNITY ENGAGEMENT



Conference of Research and Innovation (CRI 2023) -

The CRI 2023, organized by the Commercialization and Intellectual Property Division (RMIC), Office of the Deputy Vice Chancellor (Research and Innovation), UMK, received a positive response with 198 participants from public universities (UA), international universities, private higher education institutions (IPTS), polytechnics, community colleges, schools, agencies, and industries. The innovative product, Smart 3 Wheel Bike: Technical Support for Disabled Entrepreneurs, created by the Faculty of Entrepreneurship and Business (FKP), won the Runner-Up for Best Award and the Best Award in the Smart Technology and Systems cluster category. This research project, led by Senior Lecturer Dr. Nurhaiza Nordin from FKP, aims to develop a prototype for entrepreneurs with disabilities (OKU), providing them with a means to conduct their businesses using the Smart 3 Wheel Bike.

UMK Researcher at Malaysian Technology Expo 2023 - SDG International Innovation award and expo 2023

lima (5) UMK researchers have been acknowledged in fields related to the SDGs at Malaysia Technology Expo 2023, this proves that UMK always supports research, innovation and learning related to the SDGs.



Research Income per annum

STEM

RM 11,608,315 k

Arts & Humanities /
Social Sciences

RM 8,580,568 k

Medicine

RM 1,620,351 k

LEARNING & STUDENTS



Cultivating Innovation and Entrepreneurship: Bridging the Gap Between Academia and Industry

We offer undergraduate and postgraduate programs in innovation and entrepreneurship through our Materials Technology, Bioindustrial Technology, and Architecture courses. We have incorporated industrial experience into a broad range of science and social science programs.

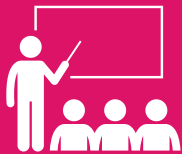


SDG 10 : REDUCED INEQUALITIES

10 REDUCED INEQUALITIES



"Reduce inequality within and among countries"



Activities

12



Research Grant

39



Grant Provision (RM)

752548.00



Publications

79



Citations

343



SDG related course Unit

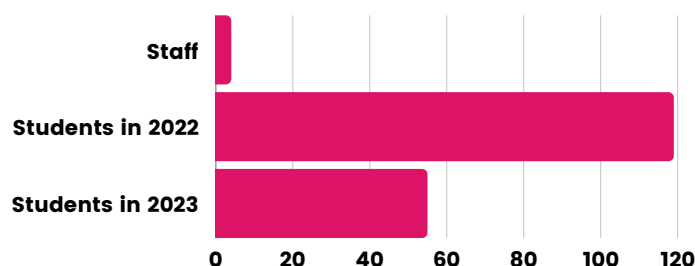
4

COMMUNITY ENGAGEMENT



i-ISLAH is the Islah Entrepreneurial Development Programme. This program involves 15 disabled entrepreneurs (OKU) in Kelantan who have their own products. Five modules are taught to the disabled entrepreneurs, which include self-potential, business planning, business innovation, business sustainability, and branding legacy.

Statistic of OKU at UMK



LEARNING & STUDENTS

This program is one of the initiatives by the Ministry of Higher Education (KPT) to enhance social mobility as well as the living standards and quality of life for students (the first generation/individuals in their families to pursue higher education) in the Asnaf/B40 category, by providing financial support for tuition fees (excluding accommodation fees).



KACUK VILLAGE POULTRY

Human and Spiritual Excellence program with the participants of the Kacuk Village Poultry Project. Participants of the Kampung Kacuk Poultry Project consist of people with disabilities who live in the Kelantan State Rehabilitation Council



SDG 11 : SUSTAINABLE CITIES AND COMMUNITIES

11 SUSTAINABLE CITIES AND COMMUNITIES



"Make cities and human settlements inclusive, safe, resilient, and sustainable"



Activities

11



Research Grant

54



Grant Provision (RM)

2265061.80



Publications

209



Citations

2281



SDG related course Unit

132

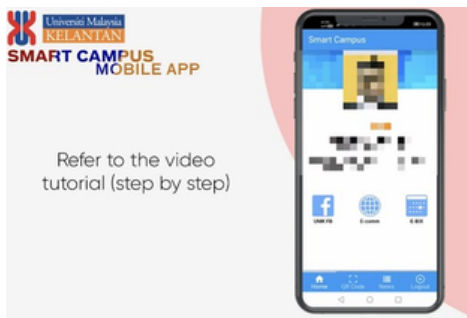
COMMUNITY ENGAGEMENT



Smart campus

UMK's smart campus incorporates several initiatives, such as a free shuttle bus service, Zero Emission Vehicles (ZEV) on campus, free bicycles provided by the university, and designated pedestrian pathways. This initiative also ensures accessibility for disabled individuals, offering facilities to support their daily activities.

LEARNING & STUDENTS



eCampus UMK

E-campus Uni is to provide accessible and quality higher education through online and distance learning, addressing the needs of diverse learners and promoting lifelong learning.



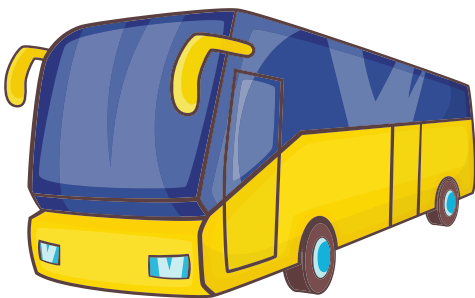
Measured Painting Exhibition

The Office of Library and Knowledge Management (PPI) Bachok in collaboration with the Department of Architecture, Faculty of Architecture and Ekistics (FSE) is holding a 2023 Measured Painting Exhibition. This activities aims to utilize art to celebrate and preserve cultural heritage, fostering sustainable cities and communities



Buses shuttle Services

UMK has deployed five buses a day for the shuttle services in the campus, which reduces a number of cars and motorcycles entering the campus.



Malay Nature Collection Exhibition

This exhibition aims to educate, inspire, and foster an appreciation for cultural heritage, cultivating a sense of responsibility and promoting conservation among the university community and beyond. The exhibition is performed by students from Faculty of creative technology and heritage.

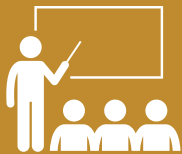


SDG 12 : RESPONSIBLE CONSUMPTION AND PRODUCTION

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



"Ensure sustainable consumption and production patterns"



Activities

5



Research Grant

57



Grant Provision (RM)

2277973.32



Publications

317



Citations

4286



SDG related course Unit

12

SDG 13 : CLIMATE ACTION

13 CLIMATE ACTION



"Take urgent action to combat climate change and its impacts"



Activities

47



Research Grant

51



Grant Provision (RM)

4060184.10



Publications

82



Citations

1573



SDG related course Unit

4

COMMUNITY ENGAGEMENT

Gear Up for STEM



The program was held to increase love and interest among school students in science and technology. During the program the participant has also been introduced some technologies that can be used for climate mitigations.

LEARNING & STUDENTS



VOLUNTEER EMPOWERMENT

increase the ability of the volunteer group to always be proactive to help the community reduce the risk of disasters and be prepared, in addition to applying the values of resilience in the face of disasters.

INTERNATIONAL CONFERENCE ON BIOENGINEERING AND TECHNOLOGY 2023 (IConBET 2023)

INTERNATIONAL CONFERENCE ON BIOENGINEERING AND TECHNOLOGY 2023 (IConBET 2023) is a conference organized by Faculty of Bioengineering and Technology, Universiti Malaysia Kelantan. We are proud to announce that theme for this year is “SUSTAINABLE ADVANCEMENT THROUGH MULTIDISCIPLINARY INNOVATION AND INVENTION”.



GEOCACHING CHALLENGE

In conjunction with World GIS Day 2023, come and join the outdoor treasure-hunting activity that uses GPS-enabled devices.



World Heritage Volunteers

The UNESCO World Heritage Volunteers (WHV) 2023 program at UMK aimed to promote heritage conservation and raise awareness about cultural and natural heritage. It involved youth volunteers in conservation work, educational workshops, and cultural activities, encouraging active participation in preserving Malaysia's heritage. The program fostered collaboration with local communities and experts, inspiring the younger generation to protect world heritage sites.

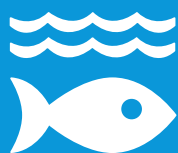


Virtual Mobility Programme

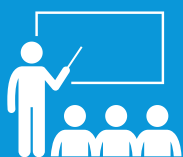
Transforming Waste to Wealth: A Nusantara Approach. This mobility program is organized by the Faculty of Bioengineering and Technology of UMK and jointly organized with the Faculty of Mathematics and Natural Resources Science of UNRI focusing on the output including climate action matters.

SDG 14 : LIFE BELOW WATER

14 LIFE BELOW WATER



"Conserve and sustainably use the oceans, seas and marine resources for sustainable development"



Activities

34



Research Grant

1



Grant Provision (RM)

86400.00



Publications

133



Citations

2237



SDG related course Unit

11

COMMUNITY ENGAGEMENT

The Freshwater Fish Farming Transformation Project for Asnaf Economic Empowerment in Jeli, Kelantan (A-Transform).



The freshwater fish farming project focuses on species such as catfish, patin, and tilapia, utilizing an integrated farming concept with the application of the latest technology to ensure optimal fish growth and health. The project aims to commercialize fish products farmed by the asnaf community, targeting both the general public and existing markets.

LEARNING & STUDENTS



KPPSA 2023 is a program aimed at raising awareness among young people about the sustainability of water resources and the environment. Led by Dr. Noor Janatunnaim (UNESCO-IHP UMK) and officiated by Encik Nasarudin Nazir (UNESCO-IHP Malaysia), the event at UMK Jeli Campus was fully sponsored by UNESCO-IHP Malaysia in collaboration with JPS, UMT, UNISHAMS, and JPNK. Fifty primary school students, aged 9-12, were trained as agents of change to promote environmental sustainability among their peers.



Programme Splash -Link

The Splash Link Program at the Faculty of Earth Sciences (FSB), Universiti Malaysia Kelantan (UMK) in 2023 is designed to foster awareness and engagement in water sustainability and environmental conservation. The program likely includes activities such as water resource management, habitat preservation, and educational initiatives for students and the local community. By linking research, innovation, and public outreach, the program aims to create a deeper understanding of the importance of water as a crucial resource, promoting sustainable practices and responsible stewardship among participants.



Short-Term Course: Catfish and Tilapia Farming Entrepreneurship (Aquaculture)

This course provides comprehensive training in catfish and tilapia farming, tailored for individuals interested in aquaculture entrepreneurship. Participants will gain hands-on experience in pond preparation, breeding techniques, feed management, water quality control, and sustainable farming practices for both catfish and tilapia.

SDG 15 : LIFE ON LAND

15 LIFE
ON LAND



“Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss”



Activities

47



Research Grant

28



Grant Provision (RM)

2441090.80



Publications

124



Citations

1174



SDG related course Unit

35

COMMUNITY ENGAGEMENT

UMK TROPICAL RAINFOREST RESEARCH CENTRE (TRACE)



Universiti Malaysia Kelantan through research centres and faculties such as UMK Tropical Rainforest Research Centre, the Faculty of Earth Science, and the Faculty of Agro-based Industry has organised events/activities aimed at promoting conservation and sustainable utilisation of the land, including forest and wild land.



FSB@RTM

The Panorama program aired on RTM TV1 features the expertise of Assoc. Prof. Dr. Zulhazman Hamzah from the Faculty of Earth Sciences, Universiti Malaysia Kelantan, specializing in the Pakma flower.

3R@UMK Program 3.0: Environmental Awareness Campaign



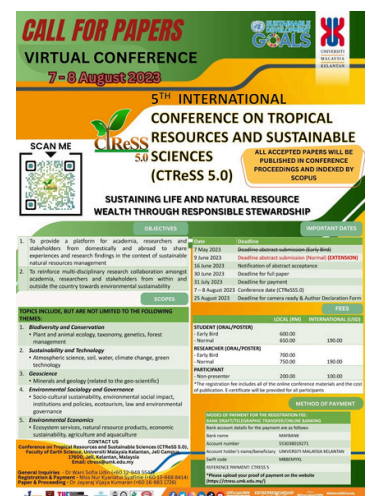
This program focuses on raising environmental awareness and promoting sustainable practices on campus through the 3R principles –Reduce, Reuse, and Recycle.

LEARNING & STUDENTS

Conservation is conservation



This initiative seeks to protect natural resources, wildlife, and ecosystems through a variety of approaches, such as habitat conservation, sustainable practices, and community involvement.



5th International Conference on Tropical Resources and Sustainable Sciences (CTReSS 5.0) - Virtual Conference

SDG 16 : PEACE, JUSTICE AND STRONG INSTITUTION

16 PEACE, JUSTICE AND STRONG INSTITUTIONS



"Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels"



Activities

6



Research Grant

29



Grant Provision (RM)

202116.89



Publications

78



Citations

773



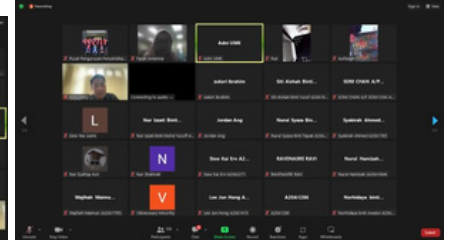
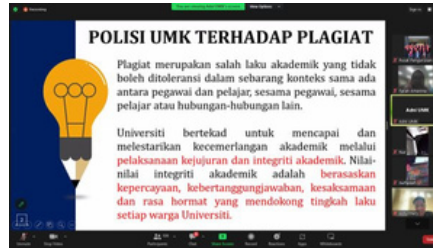
SDG related course Unit

19



Integrity Unit

The Integrity Unit of Universiti Malaysia Kelantan (UMK) was approved for establishment on 11 March 2014 by the University Management Committee (JPU) Meeting No. 3 of 2014 (131st Time) as stated in Service Circular No. 6 of 2013. This unit responsible for Governance, Integrity Strengthening, Detection and Verification, Complaint Management, Compliance and Investigation.



The Publication and Ranking Division (PRD) of the Research Management & Innovation Center at UMK, in close collaboration with the Integrity Unit of the Vice-Chancellor's Office, organized a webinar session on UMK's Policy on Plagiarism. The session was delivered by Puan Adni Binti Abu Hassan Asha'ari, Head of the Integrity Unit, Vice-Chancellor's Office. This webinar is part of UMK's initiatives under the Corruption Risk Management (CRM) Plan and the development of the Organizational Anti-Corruption Plan (OACP). The session was attended by academic staff, postgraduate students, and final-year students of UMK.

LEARNING & STUDENTS



Students Representative Council 2022/2023

SDG 17 : PARTNERSHIP FOR THE GOALS

17 PARTNERSHIPS
FOR THE GOALS



*"Strengthen the means of implementation and
revitalize the global partnership for
sustainable development"*



Activities



Research Grant



Grant Provision (RM)

40

31

1197998.00



Publications



Citations



SDG related course Unit

154

1758

19

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