

UNIMAS SUSTAINABILITY REPORT 2021/2022

Community-Driven University for a Sustainable World

EDITORIAL BOARD

PROJECT STEERING COMMITTEE (PSC)

Prof Dr Wan Hashim Wan Ibrahim (Chair)
Deputy Vice Chancellor (Research & Innovation)

Prof Dr Lo May Chiun
Senior Director, Research, Innovation and Enterprise Centre (RIEC)

Prof Dr Tarmiji Masron
Director, Strategic Planning, Quality and Risk Management (SQRC)

Prof Dr Narayanan A/L N. Kulathu Ramaiyer
Director, Institute of Social Informatics and Technological Innovations (ISITI)

Prof Dr Mohd Hasnain Md Hussain
Director, University Industry Centre (UnIC)

Assoc Prof Dr Shanti Faridah Salleh
Director, Institute of Sustainable and Renewable Energy (ISuRE)

Noraziah Abdul Wahab
Director, University Sustainability Centre (USC)

Mohd Farid Atan
Deputy Director (Sustainability), University Sustainability Centre (USC)

Nadzirah Jausus
Coordinator (Sustainability), University Sustainability Centre (USC)

Azrina Bunsu (Secretariat)
Assistant Registrar, University Sustainability Centre (USC)

PROJECT WORKING COMMITTEE (PWC)

Director, University Sustainability Centre (USC): (Chair)
Registrar
Deputy Director, Research, Innovation and Enterprise Centre (RIEC)
Coordinator (Mobility and Internationalisation), UNIMAS Global International Office (UG)
Research Fellow, Institute of Sustainable and Renewable Energy (ISuRE)
Director, Centre for Academic Development and Management (CADM)
Director, Institute of Health and Community Medicine (IHCM)
Research Fellow, Institute of Social Informatics and Technological Innovations (ISITI)
Director, UNIMAS Entrepreneurship Centre
Director, Development Office
Dean, Faculty of Social Sciences and Humanities (FSSH)
Dean, Faculty of Engineering
Dean, Faculty of Resource Science & Technology (FRST)
Deputy Director (Sustainability), University Sustainability Centre (USC)
Deputy Director (Community Engagement), University Sustainability Centre (USC)
Coordinator (Sustainability), University Sustainability Centre (USC)
Coordinator (Community Engagement), University Sustainability Centre (USC)

“

Our Vision

A leading global university for a sustainable future

Our Mission

To enhance the social and economic impacts on the global community through the pursuit of excellence in teaching, research, and strategic engagement

”

© UNIMAS Publisher, 2022

All rights reserved. No part of this publication may be reproduced, stored in retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior permission of the publisher.

Published in Malaysia by
UNIMAS Publisher,
Universiti Malaysia Sarawak,
94300 Kota Samarahan,
Sarawak, Malaysia.

Perpustakaan Negara Malaysia

Cataloguing-in-Publication Data

UNIMAS SUSTAINABILITY REPORT 2021/2022.

Mode of access: Internet

eISBN 978-967-0054-18-6

1. Universiti Malaysia Sarawak.
 2. Education, Higher--Malaysia--Sarawak.
 3. Universities and colleges--Malaysia--Sarawak.
 4. Sustainable development.
 5. Universities and colleges--Environmental aspects.
 6. Government publications--Malaysia.
 7. Electronic books.
- 378.59522

CONTENTS

Editorial Board	iii
Contents	vii
Overview	viii
Facts & Figure	x
Facts & Figure (Research)	xi
SDG 1 : No Poverty	1
SDG 2 : Zero Hunger	5
SDG 3 : Good Health and Well-being	7
SDG 4 : Quality Education	15
SDG 5 : Gender Equality	21
SDG 6 : Clean Water and Sanitation	23
SDG 7 : Affordable and Clean Energy	27
SDG 8 : Decent Work and Economic Growth	29
SDG 9 : Industry, Innovation and Infrastructure	31
SDG 10 : Reduced Inequality	35
SDG 11 : Sustainable Cities and Communities	37
SDG 12 : Responsible Consumption and Production	43
SDG 13 : Climate Action	47
SDG 14 : Life Below Water	49
SDG 15 : Life on Land	51
SDG 16 : Peace and Justice Strong Institutions	53
SDG 17 : Partnerships to achieve the Goal	55

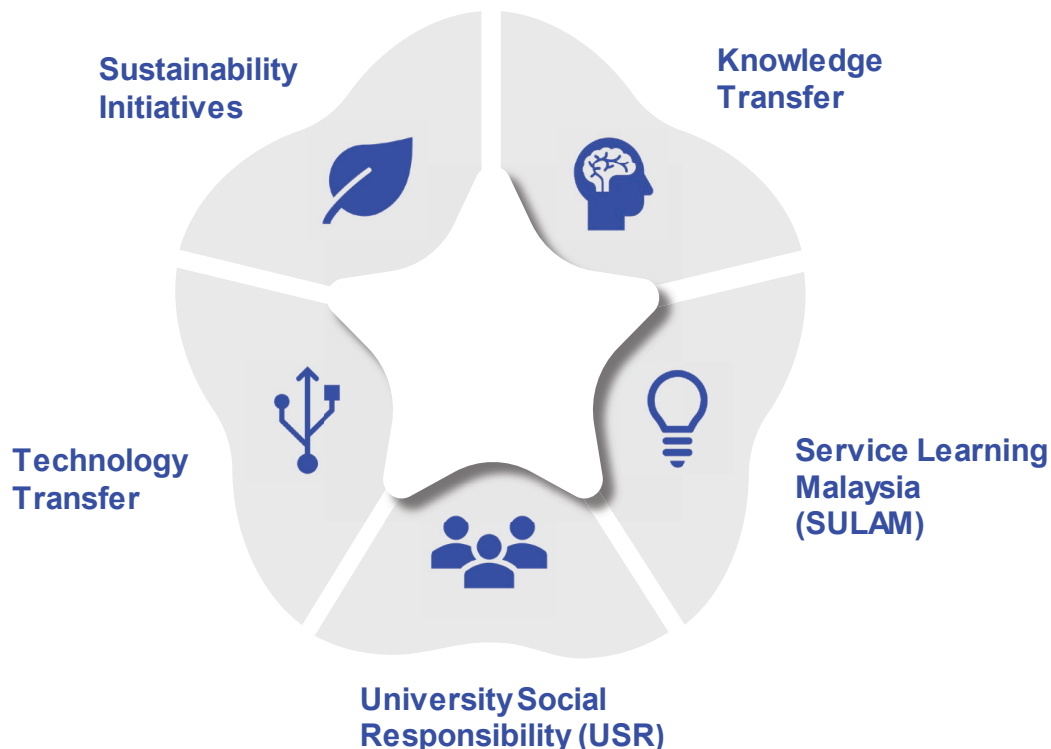
OVERVIEW

UNIMAS Sustainability Report 2021-2022

Universiti Malaysia Sarawak (UNIMAS) envisioned to become the leading global university and fully committed to sustainability. UNIMAS Sustainability Report 2021-2022 exhibits sustainable initiatives and efforts of UNIMAS in areas of teaching, learning, stewardship and outreach. Through this report, we are tracking and aligning the university initiatives according to the 17 SDGs.

Sustainability Program Framework

In UNIMAS, the sustainability program framework are divided into 5 domains which consist of sustainability initiatives, knowledge transfer, technology transfer, University Social Responsibility (USR) as well as Service Learning Malaysia (SULAM).





Content

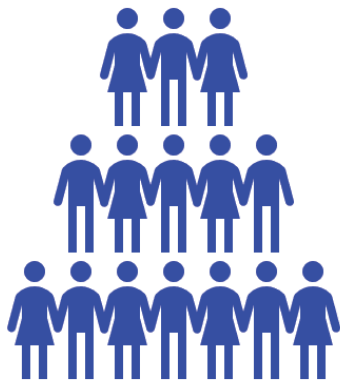
This report consist of updates in these areas :

Service Learning Malaysia (SULAM)	Service Learning Malaysia (SULAM) is one of the programmes that root from the initiatives in the Malaysia Education Development Plan 2015-2025 (Higher Education). SULAM programme involves Service/Community base learning (SBL) element where it involves student learning and community involvement.
University Social Responsibility (USR)	University Social Responsibilities are programs that are conducted by the students and staffs of UNIMAS to provide social services to the local communities
Dana Lestari	Dana Lestari or Sustainability Grant is a financial assistance awarded to research projects that promotes sustainability. This project usually involves communities and bring high impact to the livelihood of the selected community.
Engagement & Outreach	Engagement and outreach with our strategic partners towards contributing to sustainable development.

FACTS & FIGURES

RM 169,923

Overall Funding for Sustainability Programs



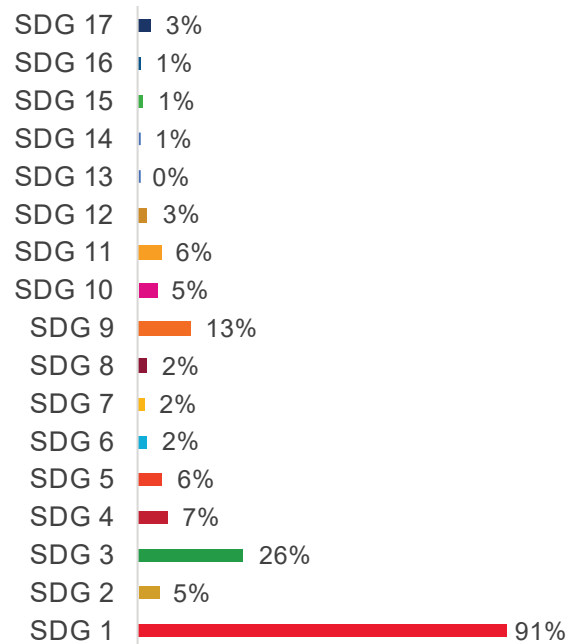
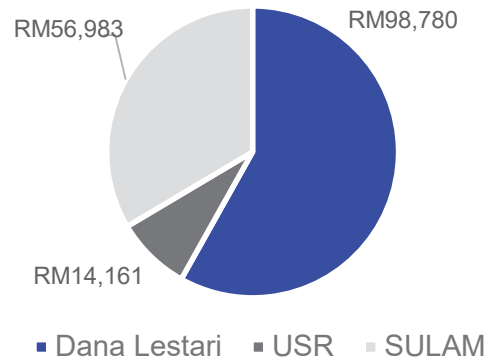
3584

Identified community members involved



1081

UNIMAS students involved



Breakdown of funding for each SDG

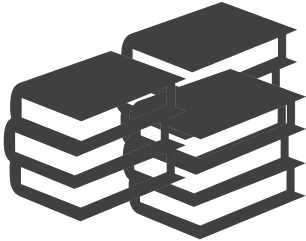
23 Programs without any funding

FACTS & FIGURES

Research

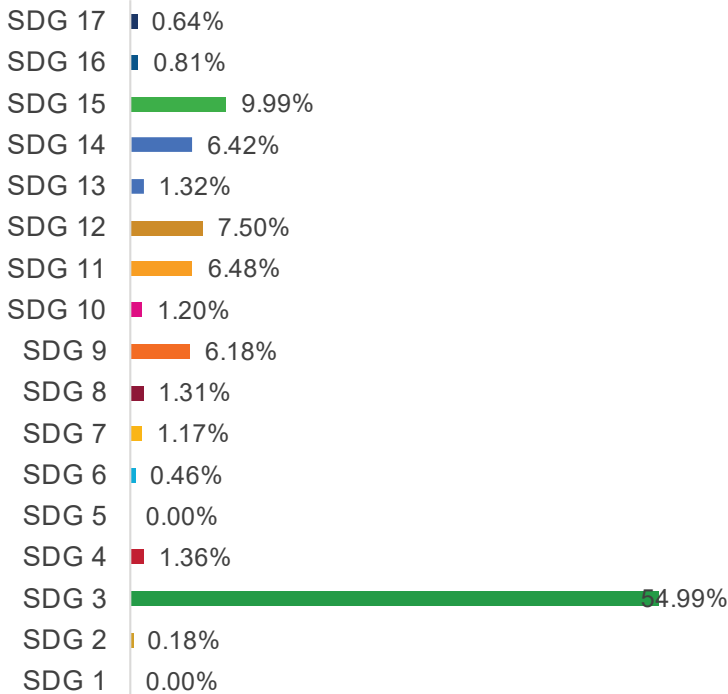
RM 14,027,437

Overall Research Grants related to Sustainability in 2021



161

Number of research grants related to Sustainability in 2021



Breakdown of 2021 research grants according to SDG

1 NO POVERTY





NO POVERTY

Lestari

Renewable Energy And Sustainable Income For Rural Communities

Faculty of Engineering

This program is carried out by using practical training methods to produce local champions in the processing of agricultural products and the optimal use of energy from renewable sources that will increase the marketability of agricultural products for rural residents while also creating job opportunities for the local community.

Impact – This project provide great benefits especially in term of financial empowerment to the rural community not only around Kampung Assum but also from outside Kuching who come to Kampung Assum to participate in technical training and food processing.

Community involvement : The target group is the those in B40 group as well as youth who have left their school and do not have a fixed job.

Project Timeline / Session : March 2022 - February 2023

Lestari

Rearing And Breeding of Grouper Fish Seeds for aquaculture activities in Aquaculture Activities as an effort to increase Residents' Sources Of Income In Kampung Matang, Kuching

Faculty of Resources Science and Technology

Aquaculture production such as grouper fish in Malaysia have a great potential for the development and supply of seafood resources. This project is an effort to

nurture and breed grouper fish seeds from natural sources as one of the efforts to overcome the supply of grouper fish seeds.

Impact – One of the most significant impact of this project is the increase of income of the population and improvement in the socio-economic life of the fishing community in Kampung Matang, Kuching, Sarawak.

Community involvement : Coastal fishing community and local residents who are interested in rearing grouper fish seeds as well as grouper fish operators and breeders.

Project Timeline / Session : March 2022 - March 2023

Engagement and Outreach

Keluarga Malaysia Hardcore Poverty Eradication Programme (BMTKM) Fasa 1 Sarawak

University Sustainability Centre

Date : 6th - 7th Oct 2022

Venue : Grand Margherita, Kuching

UNIMAS has been selected as the monitoring agent for Keluarga Malaysia Hardcore Poverty Eradication Programme (BMTKM), a program which is part of the federal government's plan to achieve its target of zero hardcore poverty in the country by the end of 2025.

For phase 1, 10 localities have been selected namely Gedong, Kampung Seberang (Sebuyau), Kampung Bakong (Lingga), Long Kajang (Belaga), Kampung Spaoh (Betong), Beluru, Pakan, Lawas, Daro and Telang Usan



NO POVERTY



which will benefits over 300 households. Out of the 10 localities, 4 has been approved by the federal and ready to be in motion.

Apart from UNIMAS, the workshop gathered representatives from the federal and state Economic Planning Unit, Ministry of Agriculture, State Development Office, Regional Corridor Development Agency (RECODA), residents and district offices.

The outcome of the workshop is to allow district offices and implementing agencies to share input in completing the project proposal that meets the federal's requirement. Selected district offices are advised to seek opinion from relevant agencies in proposing projects for the participants.



Project Timeline / Session : 2022 - 2025

2 ZERO
HUNGER





ZERO HUNGER

Lestari

Backyard Gardening : From Garden To Table

Faculty of Social Sciences and Humanities

The Back Yard Gardening Project: From Garden to Table is a project focusing on household food security. Through this project, the participants are able to reduce the overall food expenditure for their household.

Impact – Increased awareness in the aspect of food security especially in the context of access and availability as well as nutrition and food supply stability.

Community involvement : 20 female participants from Kampung Tanjung Bako, Samarahan.

Project Timeline / Session : February 2022 - February 2023

SULAM

E-service Learning In Plantation Crop Management

Faculty of Resource Science & Technology

Many farmers in the community are having difficulty managing their plantation crops. The goal of this initiative is to improve community understanding and skills in crop plant management and increase agricultural production.

Impact – Identify and proposed solutions to the problems faced by the farmer, at any stage of crop plantation from soil management to nursery, planting until after the crops are harvested (postharvest).

No. of community involvement : 20 members from Kampung Ritu Mawang and Kampung Skuduk Chupak, Serian.

Student Involvement : 18

Project Timeline / Session : 2020 - 2022

3 GOOD HEALTH AND WELL-BEING





GOOD HEALTH AND WELL-BEING

SULAM

Little We Can Do

Faculty of Social Sciences and Humanities

Community services involving students where they are required to provide services to agencies related to welfare. This project was carried out fully online during the pandemic. This program were run both in semester 2 session 2020/2021 and semester 1 session 2021/2022.

Impact – Providing solution and interventive measures on problems faced by social work service providers around Malaysia.

No. of community involvement : 100 member of sociawork service provider.

Student Involvement : 79 students

Project Timeline / Session : 2020 - 2022

USR

Sustainable Mental Health among Rural Communities

Faculty of Medicine and Health Sciences

This project is an effort by the lecturers and students from Psychology Program to give their services to the outside community. The project theme is sustainable mental well-being. Among the activities involved in this program include a lecture session on the importance and awareness of mental health followed by community mental health screening and assessment activities.

Impact – To increase awareness and understanding of the importance of psychological mental health wellbeing among the community.

Community involvement : 100 participants among parents in Pusa District

Student involvement : 25 students

Project Timeline / Session : July 2022



Poster and social media activities from the 'Little We Can Do' Project with Dyslexia Association of Sarawak



GOOD HEALTH AND WELL-BEING

SULAM

Safety and Health Awareness in Schools

Faculty of Engineering

Safety is a state of freedom or minimized risk of danger. This is related to dangers that can cause physical harm and also adverse health effects over a certain period in the workplaces, schools at even at home. This project aims to cultivate the awareness of safety and health among the members of the public, and also introducing ways to manage such matters in relevant environment.

Impact – Community will be more aware of safety and health related matters in their daily environment, improving their safety and also others while reducing risk of accidents. Increased knowledge in safety can save lives.

No. of community involvement : 50 primary school students around Samarahan.

Student Involvement : 107

Project Timeline / Session : 2021 / 2022

SULAM

Healthier Family Health

Faculty of Medicine and Health Sciences

The Healthier Family Project is an initiative to empower families to identify health-related issues, understand behavioural health risks, adopt healthier behaviours, manage existing diseases and use health services appropriately. It also helps the medical students to function as “health champions” to understand the prevailing health issues and risks in a bigger community, and develop and implement more relevant local health programmes.

Impact – Increase awareness and knowledge on what affect family health status (causes of diseases) and preventive measures available, improved health practices to promote healthy lifestyle such as healthy diet, health screening and free from tobacco use.

No. of community involvement : 200

Student Involvement : 151

Project Timeline / Session : 2020 / 2021

SULAM

Healing Beliefs and Practices among Communities in Sarawak and Sabah

Faculty of Resource Science & Technology

The culturally diverse societies in Sarawak and Sabah have rich healing beliefs and practices that are rooted in their tradition, such as the plant-based medicine. This project provides theoretical frameworks in understanding their culture, cultural production and reception, and identifying the relationship between the culture and their social structure.

Impact – Enhance the knowledge of students and community partners (particularly younger generations) about their communities’ healing beliefs and practice.

No. of community involvement : 120 from various community association.

Student Involvement : 89

Project Timeline / Session : 2021 / 2022



GOOD HEALTH AND WELL-BEING

USR

Family Physician Networking Program with Community, Lundu

Faculty of Medicine and Health Sciences

The program involves activities such as :

1. Senamrobik
2. Tik Tok video competition on healthy lifestyle for secondary school students
3. Colouring contest for kindergaten & primary school students
4. Traditional Attire contest
5. Health Talks
6. Health Screening
7. Health Promotion Exhibition
8. Consultation by Family Medicine Specialist
9. Home visit

Impact – Positive impact to the Lundu Community on health awareness regarding smoking & drug addiction. Health awarenees and screening done on Cervical Cancer Prevention.

No. of community involvement : 306 attendees which include the public and students from primary and secondary school.

Student Involvement : 148

Project Timeline / Session : August 2022



The community of Lundu with UNIMAS team



Health consultation and Health Scree conducted in Lundu



GOOD HEALTH AND WELL-BEING

Lestari

Smoke Free Campus and University *Faculty of Medicine and Health Sciences*

In Malaysia 10 000 deaths are linked with smoking. Smoking reduces the body's immunity level and increases the risk of other disease such as tuberculosis and covid 19 infection. Raising awareness and changing human behavior is more effective in dealing with smoking habit rather than punishment/ban.

Impact – Reduced smoking (including vaping) among UNIMAS communities. In a long term, this will reduce the cost of treatment for diseases caused by smoking habits.

Community involvement : UNIMAS staff and family members

Project Timeline / Session : Jan 2022 - Dec 2022

SULAM

Wake Up Alarm: Metabolic Syndrome Awareness

Faculty of Medicine and Health Sciences

Family status and interactions among family members affects not only each person's health, but it also affects the well-being of the community and nation. This initiative intends to educate the student's foster families about metabolic syndrome, including its definition, risk factors, complications, and prevention.

Impact – Increased awareness and knowledge on what affect family health status and preventive measures available.

No. of community involvement : 40

Student Involvement : 148

Project Timeline / Session : 2021 / 2022

SULAM

Healthier Family: Empowering Families in Noncommunicable Diseases (NCDs) Prevention and Control

Faculty of Medicine and Health Sciences

The Healthier Family Project is an initiative to empower families to identify health-related issues, understand behavioral health risks, adopt healthier behaviors, manage existing diseases and use health services appropriately.

Impact – Increased quality of life of each family members especially children, adults, and elderly.

No. of community involvement : 37

Student Involvement : 148

Project Timeline / Session : August 2022 - September 2022

Lestari

Promote Fitness At Work, Using A Multi-component Approach

Faculty of Medicine and Health Sciences

White collars employees spent most working hours engaging in sedentary work and reduce their physical activity during leisure time. Research showed that University white collar aged 55 and above (academician and administrative staff) spent an average of 7.5 hours perday sitting.

This project aims to increase the campus community's participant in structured physical activity programmes by creating a healthier workplace that promotes physical activity.

3 GOOD HEALTH AND WELL-BEING



GOOD HEALTH AND WELL-BEING



Impact – Healthier working environment that can help to improve working performance of its employees, focusing on the physical and mental health aspect. A routine health screening annually will be ideal.

Community involvement : All UNIMAS staffs (both academic and non-academic).

Project Timeline : March 2022 - Feb 2023

Promotion of healthy lifestyle through advertisement in various spots in the workplace



GOOD HEALTH AND WELL-BEING

Lestari

CREAMMS_22: Creating A Malaria-mindful Society

Malaria Research Centre

The monkey parasite, Plasmodium knowlesi is a significant cause of zoonotic malaria in Kapit Division, contributing to 80% of malaria patients admitted to Kapit Hospital. Malaria Prevention Partner (Rakan Pencegah Malaria) is a pilot programme aimed at empowering local community members to protect their communities against zoonotic malaria.

Impact – With the establishment of MPPs, the community will be empowered to take charge of their own health by directly being involved in the prevention of transmission of zoonotic malaria and early detection of zoonotic malaria infection, which will facilitate early treatment. In addition, the importance of extended gamified engagement and awareness could be a powerful methodology to transform the malaria programme into fun and engaging learning opportunities which can easily be extended into the community.

Community involvement : About 100 residents from selected longhouse communities within the Nanga Yong area and 20 participants of the MPP programme.

Project Timeline/Session : Feb 2022 - Feb 2023



Dr. Rekaya explaining, in Iban, the purpose for the gathering



Dr. Paul using the table-top game to teach about malaria

4 QUALITY EDUCATION





QUALITY EDUCATION

USR

Aram Masuk Universiti Seminar

Faculty of Social Sciences & Humanities

This seminar is focusing on secondary school students in a few school in Bandar Simanggang on 25 June 2022. The target participants are students who are about to complete their STPM education. The key aim is to increase the participants' awareness on issues related to applying for a place at local Malaysian universities (IPTA). This includes making choices and applying for a place, discussing the issues and challenges in applying for a place at IPTA and to motivate the students to continue with their studies despite the challenges that they may face.

Impact - They will be able to apply the knowledge they obtained from the seminar to apply for a place at the university of their choices. The impacts may also be spread further when the participants are able to share their knowledge with other people in the communities (e.g. with their school friends, their teachers, their family members and community at large). This may also increase higher educational enrolment.

Community Involvement : 40 students who have completed their STPM education – ie. school leavers from different secondary schools in Bandar Simanggang,

Project Timeline / Session : June 2022





QUALITY EDUCATION

SULAM

Malaysian Tax Service Learning

Faculty of Business And Economics

Many people within the community, especially those in the low income groups, do not understand taxation which is always changing from year to year. In this project, students are required to educate and give tax advice to a client from their community.

Impact - Educate and give tax advise to the community to increase tax awareness and compliance in the community.

Student involvement : 150

No. of community involvement : 100

Project Timeline / Session : 2020 / 2021

SULAM

Educational Programme: Assessing Social Impacts of development in selected areas

Faculty of Social Sciences & Humanities

This program involved two projects. The first involved assessment of the social impacts of ICT Development in Kampung Pos Balar and Pos Gob, Kelantan. The second project involve the assessment of social impacts of Selected Projects in various Locations in Sabah and Sarawak

Impact – Creating a platform to comprehend the future needs of the local communities in developing socioeconomic status of these communities using SIA.

No. of community involvement : 120

Student Involvement : 92

Project Timeline / Session : 2020 / 2021

SULAM

Occupational Safety and Health Awareness Week 2021

Faculty of Resource Science & Technology

The awareness program were conducted online where it aim to disseminate knowledge on occupational safety and health to the public.

Impact – Better awareness and knowledge about occupational safety and health in every aspects of life particularly working environment.

No. of community involvement : 50

Student Involvement : 84

Project Timeline / Session : 2020 / 2021



QUALITY EDUCATION

SULAM

Service Learning Projects for FACA

Faculty of Applied & Creative Arts

Students from FACA had the experience to work with Muzium Zoologi UNIMAS/ UNIMAS Natural History Museum to engage with selected communities. Among the objectives of this program are:-

- To create and curate digital promotional content for community
- Manage social media platform for community
- Provide training / knowledge transfer session with community on how to manage the social media.

Impact – Empowerment of the communities through digital platform and solutions. This program also help to minimise digital gap in the community.

Communities Involved (No. of involvement) :

- Rumah Serak (30)
- Kuching Pickers (30)
- Kelab Gudi Sarikei (KEGUSA) (30)
- Rumah Filem(30)
- Pinanak Sentah(30)
- Wordsmith of Kuching(30)
- Think & Tink; PERSENI (20)

Project Timeline / Session : 2020 / 2021



Example of Social Media Content Curation and Management



QUALITY EDUCATION

SULAM

Sarawak Counselling Colloquium 2021 (SCC2021) Webinar

Faculty of Cognitive Sciences and Human Development

Sarawak Counselling Colloquium (SCC2022) under the theme "Counselling Resiliency in Community" is focusing in the field of counselling in the communities. This program aim to increase the awareness and to informed the local communities on psychology health.

Impact – To increase awareness and exposure among students and community in psychology education and health.

Student Involvement : 300

No. of community involvement : 100

Project Timeline / Session : 2020 / 2021

USR

Bacalah Program

Faculty of Cognitive Sciences and Human Development

This program involve creating a space for children in the community hall of Kampung Telaga air. The space are built into a library and space for the children of the Kampung Telaga Air to read.

Impact - This program create opportunity for collaboration between the faculty, PeTARY UNIMAS and the community of Kampung Telaga Air to encourage reading among children.

Community Involvement : 63 counselling students from the Faculty of Cognitive Sciences and Human Development.

Project Timeline / Session : June 2022



Sarawak Counselling Colloquium 2021 (SCC2021) Webinar through Facebook Live



QUALITY EDUCATION

Lestari Contextualizing STEM Teaching Through The Science Avenger Program: Lab in a Box

Faculty of Resources Science and Technology

This program aims to increase students' interest in science. Students developed skills through training that was conducted by UNIMAS and become the ambassadors. The ultimate goal is for this project to expanded to schools in the interior of Sarawak.

Impact - Increased enrollment of Form 4 and university students in Science and other STEM fields. With the application of future attributes, students are better prepared to become future graduates in science field.

Community Involvement : Students from schools around Kuching and Kota Samarahan.

Project Timeline / Session : March 2022 - February 2023



The Science Avenger program with students

5 GENDER EQUALITY





GENDER EQUALITY

Lestari

Empowering Community through Sustainable Tourism, Bau

Faculty of Economics and Business

This project is a successful project from Universiti Malaysia Sarawak that involving the Bijagoi community in Bau district. The Faculty of Business Economics has assisted the community in administrative affairs, economic planning, sustainable environment and human resource management. The successful implementation of this project will make it the first 5-star community pilot project at UNIMAS.

Impact - This project help to increase the community overall revenue through the development of tourism activity. In addition, youth and women participation increased while creative community able to grow from the new demand coming in into the community

Community Involvement : 10 CBET destination identified by the Bau Municipal Council and Bung Jagoi Tourism partners.

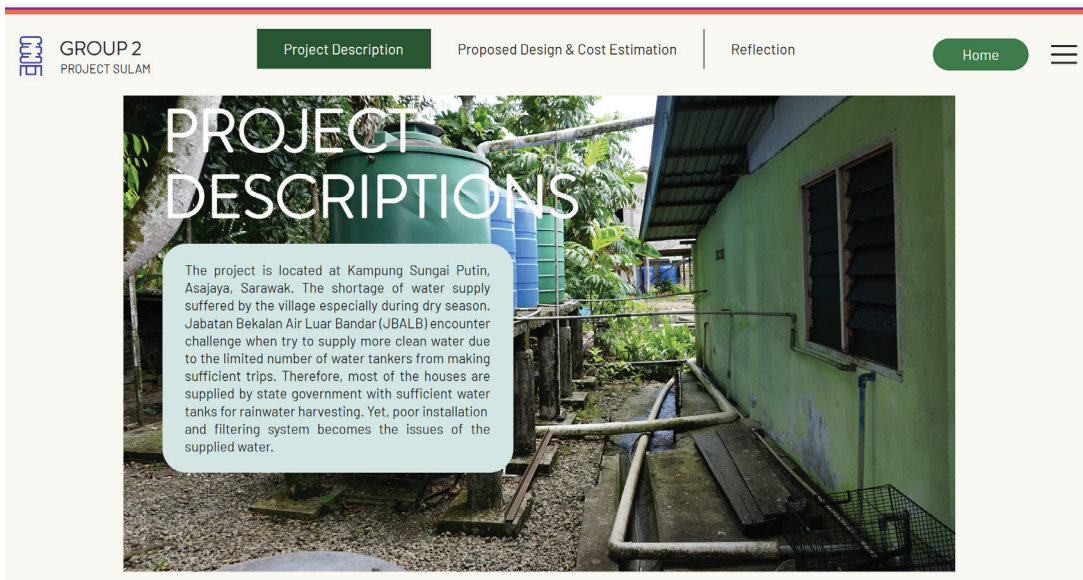
Project Timeline / Session : **March 2022 - September 2022**

6 CLEAN WATER AND SANITATION





CLEAN WATER AND SANITATION



SULAM Construction Method and Cost Estimation of Rainwater Harvesting and Filtration System Faculty of Built Environment

This project aims to construct and install a proper rainwater harvesting and a filtering system and solar powered lighting at the designated area for the benefits of the community. A sharing knowledge session will also be conducted with the community at Kampung Putin at the end of project completion. This help to secure new water supply for the community involved.

Impact – Plan and construct proper rainwater harvesting and filtration system at selected houses in the village.

Student Involvement : 48
No. of community involvement : 50
Project Timeline / Session : 2020 / 2021



Student's website showing the details of the projects such as proposed design and cost estimation



CLEAN WATER AND SANITATION

USR

River Cleanup Activity with Community of Kampung Apar Singai, Bau

Faculty of Applied and Creative Arts

This River Cleanup Activity with Community of Kampung Apar Singai, Bau, Kuching is an effort by lecturers and first-year students (Design Technology) from the Faculty of Applied and Creative Arts to contribute towards the community. The Bidayuh villages in the Kuching Division have maintained their customary ways of life, which are mostly centred at the foot of the hills. Due to increased use over the previous 10 years, the quality of the river habitat has decreased. Every year, trash finds its way into local rivers and streams. A large portion of this waste might damage our water systems. In recent years, communities have started to express interest in restoring their river ecosystem to its original state.

Impact – This activity will have a direct impact on communities, the environment and the students involved. It will result in a cleaner river and the surrounding area. Both community and students will feel pride when they contribute to the betterment of our river and environment.

Student involvement : 50

No. of community involvement : 20
community members of Kampung Apar Singai

Project Timeline / Session : **September 2022 - November 2022**

7 AFFORDABLE AND CLEAN ENERGY





AFFORDABLE AND CLEAN ENERGY

SULAM

Construction Of Rainwater Harvesting System And Solar Powered Lighting

Faculty of Built Environment

Jabatan Bekalan Air Luar Bandar (JBALB) which supply clean water to the villagers are constrained by the limited number of water tankers from making sufficient trips. Most of the houses were supplied with sufficient water tank from the state government for rainwater harvesting. Due to poor installation and filtering system the rainwater harvested is mostly contaminated and dangerous to consume. Therefore, the water can only be used for outdoor usage only. This project involve the construction of rainwater harvesting system as well as solar powered lighting. This provide new supply of clean water as well as introducing renewable energy for the area.

Impact – Help to minimise the problem faced by the villagers during dry season.

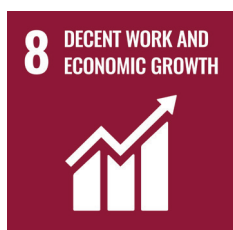
Student involvement : 29

No. of community involvement : 60

Project Timeline / Session : 2020 / 2021

8 DECENT WORK AND ECONOMIC GROWTH





DECENT WORK AND ECONOMIC GROWTH

SULAM

Service Learning In Small-medium Enterprises Involved In Animal Husbandry

Faculty of Resource Science & Technology

The local animal husbandry industry is mainly consist of small-medium enterprises. These SMEs are plagued with many challenges ranging from competition from imported livestock products, disease treat, climate factors as well as intrinsic attributes. The project aim to provide help in terms of technical reinforcement or idea generation of the current SMEs owner in improving their production.

Impact – Providing social services to local SMEs related to animal husbandry.

No. of community involvement : 65
Student Involvement : 80
Project Timeline / Session : 2020 - 2022

SULAM

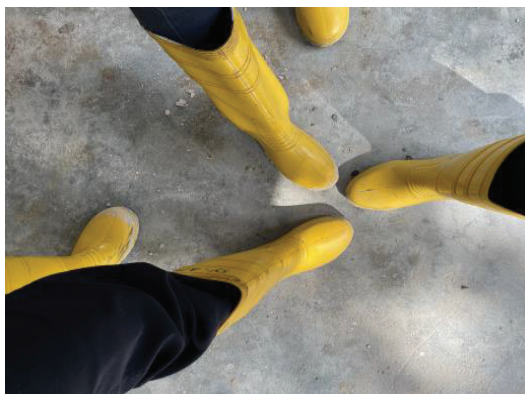
1) Ficenzo: Conquering Personal Finance 2) Money Matters: Financing Your Future

Faculty Of Business And Economics

The project consist of two programs, Conquering Personal Finance and 2) Money Matters. Both of these projects aim to expose secondary school students on personal financial literacy, management skills and knowledge.

Impact – Providing social services to local SMEs related to animal husbandry.

No. of community involvement : 199
Student Involvement : 95
Project Timeline / Session : 2020 / 2021



Student adhere to the Satoyama Biosecurity Protocol in the selected chicken farm

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE





INDUSTRY, INNOVATION AND INFRASTRUCTURE

SULAM

Service Learning Projects for FCSIT

Faculty of Computer Science & Information Technology

Through Technopreneurship and Product Development course, students engage with communities to propose technological solutions for technopreneurship opportunities based on the real needs of the community.

Impact - Empowering community through providing awareness on technological innovation and digital means to solve community's problem. Types of solutions such as website development, database, IT awareness talk, IT Training and designing promotional videos

No. of community involvement : 470 community member from schools and local community around Kuching and Kota Samarahan

Student Involvement : 542 students

Project Timeline / Session : 2020 - 2022

SULAM

Ottoman Modular Furniture

Faculty of Engineering

This project aim to help the local community to build ottoman furniture according to the need of the community. Students are able to practice their skills and knowledge to provide solution for the community. This program introduce product innovation to students.

Impact – Knowledge transfer on designing and constructing the Ottoman furniture to the local communities.

No. of community involvement : 50

Student Involvement : 105

Project Timeline / Session : 2021 / 2022



INDUSTRY, INNOVATION AND INFRASTRUCTURE

SULAM **SULAM Project With Kampung Empila Community**

Faculty of Engineering

Second-year students from Chemical Engineering Programme will be divided into 12 groups and each group consists of 4 or 5 members. Every group is required to design and manufacture at least one product requested by the selected community. The requested product was chosen based on the critical item that has been identified by the community. This year, the community from Kampung Empila situated in Kota Samarahan has been selected based on their socio-economic background. The majority of the people in this community are classified under the B40 group.

Impact - Improve the kindergarten basic facilities for the learning activities

Student involvement : 60

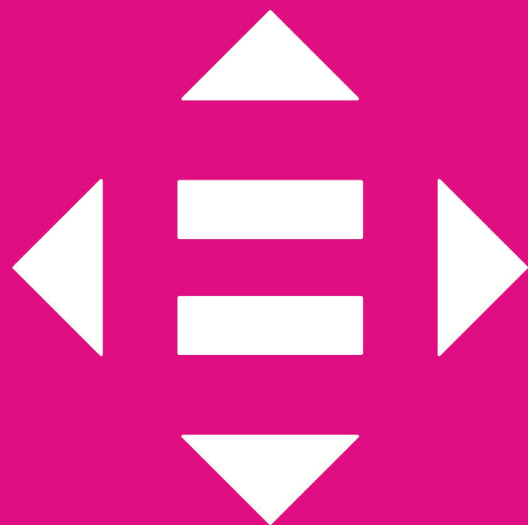
No. of community involvement : 1
Kampung Empila.

Project Timeline : March 2022 - Jun 2022



Student with their designed product for the community

10 REDUCED INEQUALITIES





REDUCED INEQUALITIES

Lestari

“Comfort Kit” For Disabled Caregivers

Faculty Of Social Science and Humanities

Among the most affected group during covid-19 pandemic are the caregivers for the disabled. This project aims to help in self-empowering the disabled to remain resilient. Through this project, the “Comfort Kit” produced as a tool to support caregivers of the disabled directly from an emotional aspect, especially. “Comfort Kit” pairs instruments for activities such as basic sewing tools, simple games and others.

Impact – Empowerment of disabled caregivers, motivating and providing them commitment supports.

Community involvement : Selected caregivers of disabled person.

Project Timeline / Session : **March 2022 - February 2023**

11 SUSTAINABLE CITIES AND COMMUNITIES





SUSTAINABLE CITIES AND COMMUNITIES

SULAM

Temperature Monitoring project on houses in local communities

Faculty Of Engineering

This project is implemented to help the local communities to identify the comfort situation of their home without affecting their health. Students are required to produce a temperature and comfort monitoring report of the houses in local communities and propose appropriate solutions for the design of the house based on the needs of the local communities that has been selected. The proposed solution must be practical and can be used by the community selected at minimal cost.

Impact – Designing comfortable building design for local communities.

Student Involvement : 136

No. of community involvement : 60

Project Timeline / Session : 2020 / 2021

SULAM

Language and Culture Preservation Project

Faculty of Language and Communication

Most of the young generation today have lost their cultural identity and have limited or no knowledge of their own ethnic language and culture. As a result, they will lose their identity. This project is a documentation effort of the native language and culture. Among those that were documented was Iban folksong. 'Tum Ketumba' from Rantau Dilang Kanowit and Iban folklore the legend of Baya Putih from Melugu, Sri Aman. This effort help to ensure the survival of the traditional language and culture.

Impact – Providing a digital platform for complication of cultural and linguistic aspects of local languages.

Student Involvement : 101

No. of community involvement : 50

Project Timeline / Session : 2020 / 2021



Gambar 1. Temu bual bersama informan 1 (Rita Samuel).

Face to face and online interview with the informants



SUSTAINABLE CITIES AND COMMUNITIES



SULAM **Digital Heritage**

Faculty of Cognitive Sciences & Human Development

This project identified and collect data on local community and develop a portal to showcase the component of the community Digital Heritage.

Impact – Designing and developing the digital heritage platform through knowledge transfer program to locals. Conserving the local heritage through digital platform.

No. of community involvement : 60

Student Involvement : 85

Project Timeline / Session : 2021 / 2022



SUSTAINABLE CITIES AND COMMUNITIES

SULAM

Communicating and Educating on Heritage and Archaeology

Faculty Of Social Science and Humanities

Archaeology is a relatively less known field of study in the country. This project is a series of efforts to increase the public awareness on archaeology. The activities of the project include 1) the creation of e-booklets, e-posters and video documentary, 2) the creation of social media platforms and websites, and 3) the organisation of webinars and virtual exhibitions that will provide various archaeology-related information that will be distributed and shared with the public.

Impact – Enrichment of the general public knowledge about matters concerning archaeology.

No. of community involvement : 1
(General online public)

Student Involvement : 85

Project Timeline / Session : 2020 / 2021



Example of website that were developed by the student involved in the program of communicating and educating on heritage and archaeology

SULAM

Comprehensive Community Profile as a Way Forward

Faculty Of Social Science and Humanities

Lack of information about the villages may prevent the communities from seeking any funding or programs for the kampong. In this project, students need to produce a comprehensive village profile in the form of an ebook for each selected kampong using modern tools and gadgets. The ebook can be updated to capture new developments that occur in the village (e.g., change of community leaders, the extension of kampong, new businesses, etc.).

Impact – A comprehensive village profile through participatory action will allow the communities to learn more about themselves. Visitors will also be able to learn more about the kampong by accessing the village profile.

Community involvement : 9 villages in Kota Samarahan

Student Involvement : 92

Project Timeline : August 2022 - July 2022

SULAM

Temperature and Comfort Monitoring for House of Worship

Faculty of Engineering

To design a comfort environment for the prayer conducting praying where the comfortability might not fully be catered for whenever the room is full

Impact – Designing comfort house environment for local communities.

No. of community involvement : 60

Student Involvement : 124

Project Timeline / Session : 2021 / 2022



SUSTAINABLE CITIES AND COMMUNITIES

USR

Juh Ecobrick!

Faculty Of Social Science and Humanities

Ecobrick is a plastic bottle compacted with single-use plastic waste that have been cleaned and dried. It is one of the measure to reduce single-use plastic waste which is now a global crisis. In Sarawak, public awareness about single-use plastic waste is still very low. This program aim to to create public awareness on the potential of ecobrick to address this issue.

Impact – Awareness to the community from an early age and they can spread the awareness and knowledge to their family and communities. With strong commitment, communities that engage in ecobrick-making can see a reduction of household waste and this could promote a healthier environment that could translate into other types of benefits.

Community involvement : 40 students and 10 teachers - Member of Kelab PALS, SMKA Tun Ahmad Zaidi.

Project Timeline / Session : **October 2022**



SUSTAINABLE CITIES AND COMMUNITIES

USR

Community Mapping

Faculty Of Social Science and Humanities

This project aims to provide training on community mapping to the community of Kampung Long Meraan, which is a Penan community in the Magoh River region of Sarawak. In the last 50 years, the Magoh region and the Penan communities living in the area has continually faced changes in the environment due to development initiated by external agencies.

Impact – The proposed project is expected to:

- 1) generate a transfer of knowledge whereby the participants will be able to apply knowledge gained in this training for community mapping; and
- 2) create awareness on the significance of community mapping project.

Community involvement : Community leader (headman), members of village committee (JKKK) and youths of Kampung Long Meraan, Magoh.

Project Timeline / Session : September 2022



**12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION**





RESPONSIBLE CONSUMPTION AND PRODUCTION

Lestari

Urban Composting

Faculty of Economics and Business

This project aim to attract the interest of school children to do solid waste management activities such as composting regularly in their respective homes. Urban composting technique that were used in this program are anaerobic composting dan Bokashi composting.

Impact – Increase in the public awareness on the importance of taking care of the environment through solid waste management.

Community involvement : Selected teachers, students and parents from SK Ibnu Khaldun

Project Timeline : Feb 2022 - September 2023

SULAM

Communication, Education And Public Awareness (CEPA) On Waste Management In Community

Faculty Resource Science and Technology

With the theme 'Waste Management Training In Community', this project aims to improve public awareness of solid waste management and change consumer behaviour through direct engagement with community via knowledge transfer programs for school children, youths and housewives in Malaysia. The project was conducted through workshop and hands on training related to waste management.

Impact – Youths and households were exposed to the knowledge on solid waste management. It also involves educating B40 group students on composting as well as knowledge on cooking oil recycling.

No. of community involvement : 690

Student Involvement : 135

Project Timeline / Session : 2020 / 2021



Poster to promote household waste management in social media



RESPONSIBLE CONSUMPTION AND PRODUCTION

USR

Program Wira Lestari Cilik

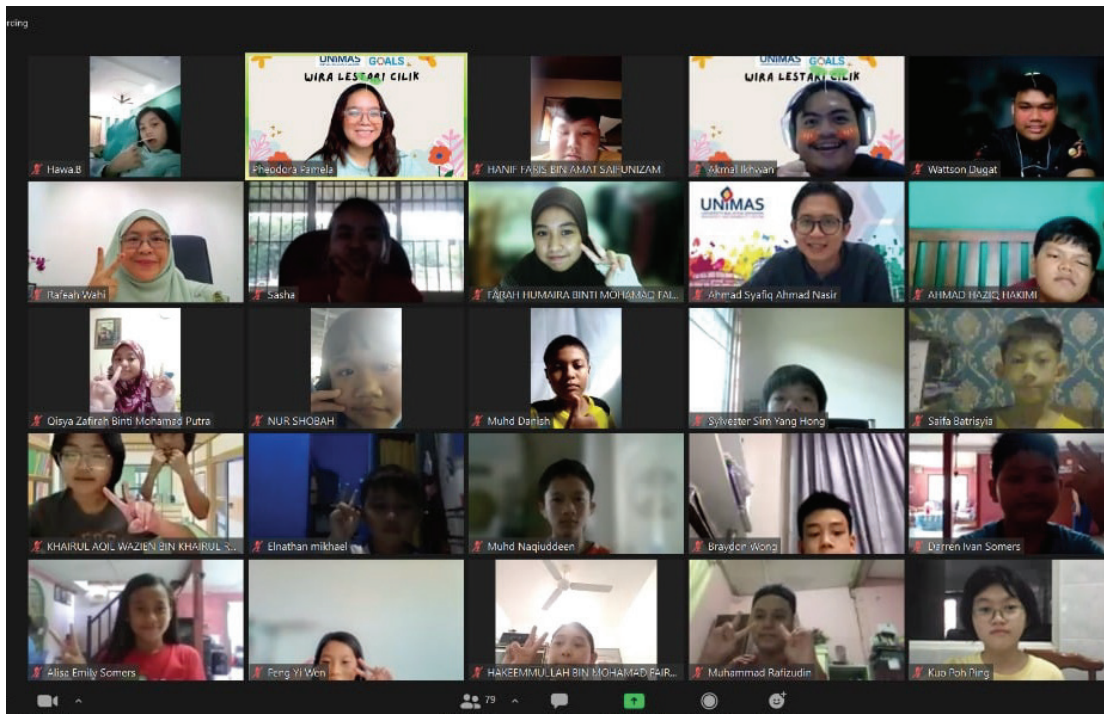
University Sustainability Centre

Program Wira Lestari Cilik is a school holiday program which will be conducted via Zoom Meeting (online). The objective of this program are to expose young children on the concept of environmental sustainability; advocate recycling as daily life practice for young Malaysians; and introduce UNIMAS as education institution of choice to young children. The program consists of four sessions, (1) Wira Kitar Semula; (2) Alam Sekitar Bersih, Anda Sihat; (3) Kuiz/aktiviti; and (4) Kenali UNIMAS.

Impact – This program is important as a part of our effort to advocate sustainability and responsible consumption among Malaysians communities.

Community involvement : 4 postgraduate students and 80 Malaysian school children (age 7-13)

Project Timeline / Session : December 2021



Zoom meeting with all the participants of the program

13 CLIMATE ACTION





CLIMATE ACTION

Outreach and Engagement
Brainstorming Workshop on Carbon Neutral Campus Framework
Institute of Sustainable and Renewable Energy

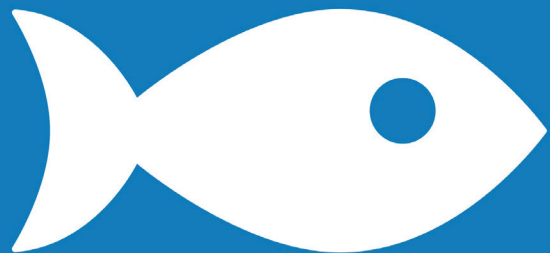
Date : 3rd October 2022
Venue : Sarawak Multimedia Authority

UNIMAS through the Institute of Sustainable and Renewable Energy (ISURE) has been working on developing Carbon Neutral Campus Framework. The university are committed in going for environmental sustainability especially in reducing its carbon emission. In this first workshop of brainstorming session, relevant stakeholders such as faculties

and research centres in UNIMAS as well as relevant partners such as SMA were invited to share ideas and knowledge on carbon neutrality for the campus. Through this workshop, feedbacks and suggestions were gathered as an inputs for the proposed carbon neutral campus framework.



14 LIFE
BELOW WATER





LIFE BELOW WATER

Lestari

Freshwater Lobster Farming For Aquaculture Activities

Faculty of Resources Science and Technology

The world’s food supply is expected to continue to worsen from the effects of climate change, limited production factors and rising commodity prices. Increased in demand due to increase in population posed great challenge to the food industry. Freshwater lobster farming is a type of farming that can be used as one of the steps in dealing with this food supply issue. Freshwater crayfish farming is a new field of business and has become popular in Malaysia.

Impact – Apart from increased protein supply to the local market and ensure sustainable yield, this project also help farmers to generate income during monsoon season. Through this project, knowledge transfer to the communities enable local residents to gain knowledge in the overall process of freshwater crayfish farming..

Community involvement : Local residents around Samarahan /Kuching, future retirees and future graduates who are interested in farming freshwater crayfish seeds.

Project Timeline : Feb 2022 - Feb 2023



Crayfish rearing tanks



Materials for rearing tank setting

USR

Kembara Zoologi SK Tringgus

Faculty Resource Science and Technology

The main goal of the “Kembara Zoologi” is to give awareness to schoolchildren about the importance of maintaining the balance of nature in order to ensure the survival and sustainability of life in this world. Three activities that were conducted are as follows, 1) exhibition, 2) games about “Natural Resource” and 3) A slot “Ask from Me” which one lecturer will answer questions from students.

Impact – Schoolchildren and their teachers know their role to preserve and conserve of wildlife diversity.

No. of involvement : 22 teachers
42 students from SK Tringgus.

Project Timeline / Session : September 2022 - October 2022

15 LIFE ON LAND





LIFE ON LAND

SULAM

Advisory Service and Awareness on Management of Common Animal Pest in Selected Communities

Faculty Resource Science and Technology

Awareness on the management of animal pest are needed because pest control plays a vital role in protecting our modern way of life and is a critical part of public health. In this project, students have the opportunity to approach the community on a wide scale via online due to the pandemic by implementing a webinar with collaborated agencies and using social media (e.g., Facebook, Instagram) on identifying and managing pest animals.

Impact – Creating awareness on animal pest issues and available management strategies in managing the infestation

No. of community involvement : 157
Student Involvement : 100 student living in UNIMAS residential college
Project Timeline / Session : 2020 / 2021

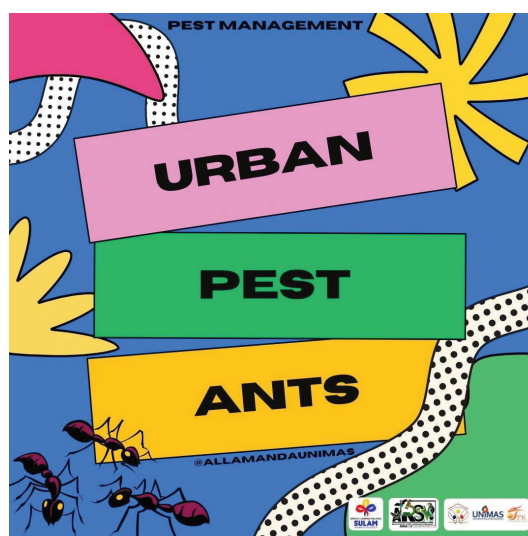
SULAM

3R THEME - Conserving the environment starts from young

Faculty of Cognitive Sciences and Human Development

Impact – Creating awareness from a young age through activities with gamification elements to spark the interest in making a difference in conserving the environment.

No. of community involvement : 60 of primary school children
Student Involvement : 100
Project Timeline / Session : 2020 / 2022



Poster to promote awareness on pest management

16 PEACE, JUSTICE AND STRONG INSTITUTIONS





PEACE, JUSTICE AND STRONG INSTITUTIONS

SULAM

Khidmat Komuniti IR Prihatin “Safe Practise, Safe Environment, Safer Community”

Faculty Of Social Science and Humanities

Awareness on the management of animal pest are needed because pest control plays a vital role in protecting our modern way of life and is a critical part of public health. In this project, students have the opportunity to approach the community on a wide scale via online due to the pandemic by implementing a webinar with collaborated agencies and using social media (e.g., Facebook, Instagram) on identifying and managing pest animals.

Impact – Providing social services and awareness programmes on environment and social welfare to local communities in various locations.

No. of community involvement : 110 from local communities and education institution in all over Malaysia.

Student Involvement : 84 students

Project Timeline / Session : 2020 / 2021

SULAM

Building Online Community Platforms as Tools for Highlighting Development Issues

Faculty of Resource Science & Technology

The project is about building online platforms to highlight various development issues faced by the rural communities such as infrastructure, water supply, electricity and socioeconomic development. Students were involved in telling the story of “community resilience” in the age of globalisation and rapid transformation

Impact – The online platforms created by the students can be used by the people to share their development problems and their efforts at solving them. This project empower the community through learning, collaboration and finding practical solutions.

No. of community involvement : 80 from selected local communities in Sarawak.

Student Involvement : 74 students

Project Timeline / Session : 2020 / 2021

17 PARTNERSHIPS FOR THE GOALS



17 PARTNERSHIPS FOR THE GOALS



PARTNERSHIPS FOR THE GOALS



USR

Randau with the Community of Lundu University Sustainability Centre

Randau is an engagement program involving the local community. In this program, it involves collaboration between the Lundu District Council (MDL) and Universiti Malaysia Sarawak (UNIMAS) in an effort to bring development exposure to the local community. Apart from that, Randau act as a platform to promote the role of UNIMAS as an institution that plays a role in development planning through the role of the University Sustainability Center (USC)...

From this engagement, various activities in the form of USR will be implemented

by the faculties involved in addition to the role of exhibitions and talks to the community.

Impact - Increase the visibility of UNIMAS and its engagement with the community through various areas of expertise to increase the network of collaboration with the community, industry and also the agencies involved.

Community involvement : 80 people from Kampung Meriyu, Lundu.

Project Timeline / Session : July 2022



PARTNERSHIPS FOR THE GOALS

USR

K.g Meriyu, Lundu Community Visit to UNIMAS

University Sustainability Centre

As a continuation and follow up from the Randau program with the community, UNIMAS has welcome a visit from the same community of Kampung Meriyu, Lundu. Visit programs from the local community such as this are important to expand UNIMAS initiatives in empowering community involvement in programs that were carried out by the university.



Impact – Through the successful implementation of USC's annual flagship program, Randau with the community (RBK) to obtain feedback and collect information related to community profiles, continuous follow-up programs can be carried out to meet the critical needs of the communities involved. Indirectly, the transfer of technology and knowledge carried out by UNIMAS researchers can be applied and channelled to solve various issues and problems that arise in the local community.



Community involvement: 40 community members of Kampung Meriyu, Lundu including the head of the village, parents and school students.

Project Timeline / Session : September 2022

17 PARTNERSHIPS FOR THE GOALS

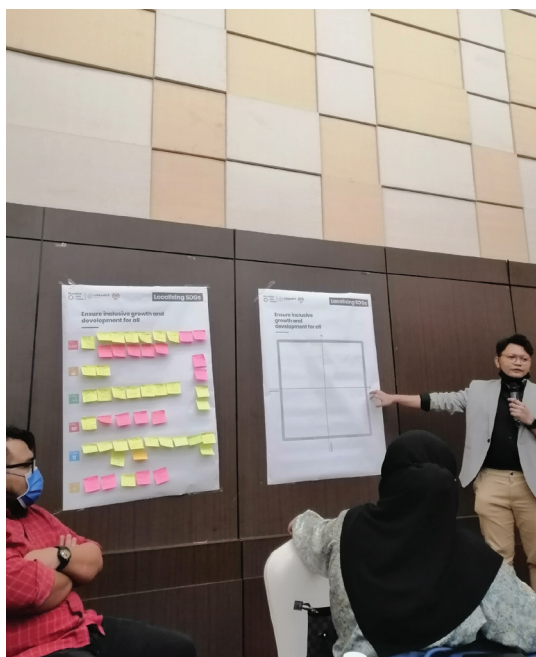


PARTNERSHIPS FOR THE GOALS

Engagement & Outreach
Sarawak SDG Roadmap Workshop
UNIMAS Sustainability Centre

Date : 27th & 28th Julai 2022
Venue : The Raia Hotel & Convention Centre Kuching

As part of the effort in localising SDGs in city level, Sarawak are currently in the process of developing Sarawak Sustainable Development Goals (SDGs) Cities Roadmap 2022-2030. The preparation of this roadmap was spearheaded by the Centre of Excellence for Sustainable Cities and Community Well-being (URBANICE) under the Ministry of Housing and Local Government together with UNIMAS as the main strategic partner in Sarawak. In the first series of stakeholder engagements, local authorities were invited to discuss the issues and challenges in achieving sustainable development as well as to come out with initial proposed solutions.





UNIVERSITI MALAYSIA SARAWAK
94300 KOTA SAMARAHAN SARAWAK
MALAYSIA

 +6082 58 1000
 +6082 66 5088
 www.unimas.my


UNIMAS
UNIVERSITI MALAYSIA SARAWAK

eISBN 978-967-0054-18-6



9 789670 054186

UNIMAS PUBLISHER