



ENVIRONMENTAL SUSTAINABILITY *Report* 2022

Universiti Teknologi MARA Sarawak





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Design and Visual Development by Ts Madeleine Elna Perreau



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Environmental PROJECTS & PROGRAMMES

UiTM Sarawak executes a number of environmental projects and programmes to implement the policy frameworks, promote environmental consciousness and present an opportunity in contributing to low environmental impacts. The lists of the environmental projects and programmes that have been implemented in recent years are presented in Table 4.5.

Energy Conservation



Energy Management Policy

Facility Management Unit

To reduce the use of electric consumption in the operation

Energy Efficient Street Lamp

Facility Management Unit

To use the electricity efficiently for lighting the street

Green Design

Facility Management Unit

To increase the use of natural lighting and ventilation in some of the buildings

Traffic Blanker Light

Facility Management Unit

To use renewable energy for giving signal at the junction

Industrialized Building System (IBS)

Facility Management Unit

Use of Industrialized Building System (IBS) in the building of hostel

Waste Management

Recycle Center

Facility Management Unit

To collect recyclable items from institutional waste and reduce the volume of waste send to landfill

Green waste composting

Facility Management Unit & Farm Management Unit

To compost landscape waste and use it as a fertilizer for vegetation

Aftermath Thinker

Mohd Razif Mohd Rathi
Clement Anak Jimel
Zaidi bin Wasli

Exploring the culture of recycling through art appreciation

Bring-Your-Own Container Policy

Facility Management Unit

To avoid the use of plastic food container in the campus

Chicken Dung Fertilizer

En. Muhamad Syukrie bin Hj. Abu Talip En. Muhamad Nasarudin bin Sulaiman En. Mohamad Indera Indi

To produce organic fertilizer from chicken dung produced in the poultry breeding project

Air Quality

International Conference Of Air Quality And Climate Change (AQCC)

Ts. Nurzawani Md Sofwan

Hartini Mahidin

UiTM Sarawak as a strategic collaborator of the conference.

Particulate Matter Sampling

Ts. Nurzawani Md Sofwan

Hartini Mahidin

To determine the concentration of particulate matter in the campus

Indoor Air Quality Sampling

Facility Management Unit

To determine indoor air pollutants in the office

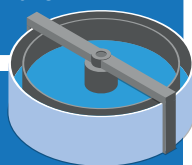
Table 4.5 Implementation Of Environmental Projects And Programmes In Uitm Sarawak Branch

Water Management

Water Conservation

Facility Management Unit

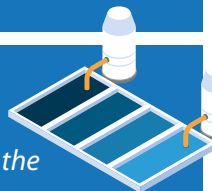
To conserve biotic and abiotic species in the artificial pond



Rainwater Harvesting

Facility Management Unit

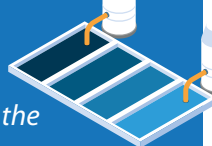
To collect rainwater from rooftops and use it for watering farms.



Water Recycles

Facility Management Unit

Use of rainwater for artificial pond in the student lounge

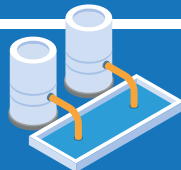


Drinking Water Treatment Project

Assoc. Prof. Dr. Juferi Idris

To treat pond water using portable and lowcost water treatment system to meet the drinking water quality standard.

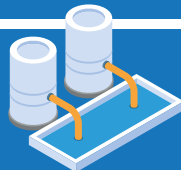
Project Value
RM 10k



Dual Flush Toilet

Facility Management Unit

To save the use of water for flushing



Gotong-royong Perdana

Kelab Kakitangan UiTM Sarawak

To encourage all employees and students to take responsibility for keeping the campus clean

Efficient Energy Consumption Signage

Facility Management Unit

To educate the consumer to use energy wisely.

Udang Galah Breeding Webinar

Yahutazi Chik

To teach technique on udang galah breeding to the community.

Recycle Innovation Competition

Ts. Nurzawani Md Sofwan

To encourage students to produce innovative product from recycle items.

Project Value
RM 500

Plant, Animal & Food Resources Conservation

Affordable Automated Smart Agriculture System (AASAS)

Assoc. Prof. Dr Hasmah Mohidin
Mohd Yazid Mohd Anas Khan

To develop smart farming fertigation system based on internet-of-things (IoT).

Herbarium

Yahutazi Chik

To preserve plant specimens and associated data used for scientific study.

Insectarium

Yahutazi Chik

To preserve insect specimens and associated data used for scientific study

Poultry Breeding

En. Muhamad Syukrie bin Hj. Abu Talip
En. Muhamad Nasarudin bin Sulaiman
En. Mohamad Indera Indi

To breed poultry for generating income, research purpose and produce organic fertilizer from chicken dung.

Project Value
RM 4,810

Salad And Herbs Garden

Farm Management Unit

Breeding salad, herbs and ornamental plants

Bamboo Garden

Farm Management Unit

As a bank genetic for variety species of indigenous bamboo in Borneo Island.

Farming Fertigation

En. Muhamad Syukrie bin Hj. Abu Talip
Dr. Iskanda Openg

To grow higher yield of chilies and watermelons through a frequent supply of nutrients.

Tilapia Fish Breeding

Aqua and Agrotech Center UiTM Mukah

To improve fish growth and production of tilapia.

Education and Awareness

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