

Transforming

THE ROLE OF SURAU APIUM FOR CAMPUS SUSTAINABILITY THROUGH 'IMARAH GREEN PROJECT



Introduction

Imarah Green Project: Surau APIUM under the purview of UM Living Labs Grant Programme (UMLLGP) advocates eco-mosque concept and green practices among campus community in UM. Throughout this project, the researchers have implemented systematic data collection for the GHGs reduction as outlined by the UM EcoCampus Blueprint through measuring the reduction of water consumption in the Surau, quantifying total recyclable material (papers, plastics, aluminium) recycled (through APIUM Recycling Centre), total textiles and clothes recycled (through Lestari Shop), and increasing numbers of planted vegetation in the Surau APIUM's surrounding.



To highlight Surau APIUM as an eco-model to be replicated by other mosques in the outside community.



Employing cultural translation of pro-environmental behaviour from the Quran and Sunnah teachings.



Empowering Imarah Eco-Friends as champions for sustainability practices through capacity building & community engagement.

KPI ACHIEVEMENTS (JAN - JUNE)



1. GREEN PRACTICES ACHIEVEMENT

MONTHS	RWHS METER READING	AMOUNT OF WATER USED
JAN	0040877	16m ³
FEB	0041012	
MARCH	0041808	
APRIL	0042115	
MAY	0042472	



URBAN GARDEN

TOTAL NUMBER OF PLANTED VEGETATION :

Sawi, Bayam Brazil, Ulam Raja, Daisy, Hanging Plant, Money Plant, Marigold, Heliantus Florenza, Nasturtium, Petunia, Portulaca, Vinca, Zinnia Zahara, Dahlia, Pentas Graffiti, Balunga Ayam, Rosemary, Lavender, Pudina, Daun Sup, Basil, Peace Lily, Orkid, Kesum, Pegaga, Rose Jepun



2. CAPACITY BUILDING

2.1 MENTOR MENTEE IEF :



IEF Leadership Training Workshop
Date: 17.2.2021
No. of participants: 13 IEF

2.2 SUSTAINABILITY TALK & WEBINAR



Date: 22.01.2021
Speaker: Prof. Sumiani Yusoff
Introduce UMSLLS & Imarah Green Project successful story as role model to be replicated to the outside mosques



Date: 5.02.2021
Speaker: Dr. Asmawati Muhamad
Successful story of Imarah Green Project
Integration of Islam & Sustainability Science



Date: 25.2.2021
Speaker: Aishah Hassan (Master's candidate UM)
Talk on consequences of microplastic to environment and marine life



Date: 29.01.2021
Speaker: Dato' Prof. Dr. Zulkifli
Water conservation during ablution (wudhuk), recycling & Lestari shop etc



Date: 12.02.2021
Speaker: Dr. Nurul Husna Mansor
Sharing on Eco-dal' (integration of dawah & sustainability) Interaction between human & nature



Date: 30.3.2021
Speaker: Dr. Mohamad Azrien bin Mohamed Adnan
Objective: Eco-surau practices at Residential Colleges UM



Date: 5.3.2021
Speaker: Dr. Ali Hanafiah Norasid
Sharing of 'Imarah concept & sustainability



Date: 8.4.2021
Speaker: Dr. Asmawati Muhamad
Objective: How to make Surau more clean and eco-friendly



3. KNOWLEDGE TRANSFER (MoU with JAWI & MGTC)

1. Eco-mosque Induction workshop
2. Webinar Eco-mosque practices



4. COMMUNITY ENGAGEMENT

**13.12.2020
-10.1.2021** Waste Separation
& Upcycling activities

- ✓ ZERO WASTE CHALLENGE (3 weeks)
A challenge to encourage public participation on recycling at home by collecting recyclable material and sell them to the nearest recycling centre
- ✓ No of participants : 15



12.3.2021 RWHS Maintenance

No of participants: 5



24.3.2021

**Gotong-royong Backyard
Surau APIUM**

No of participants: 3 cleaners & RA



26.3.2021

**Recycling of Used
Cooking Oil Campaign**

(ON-GOING)

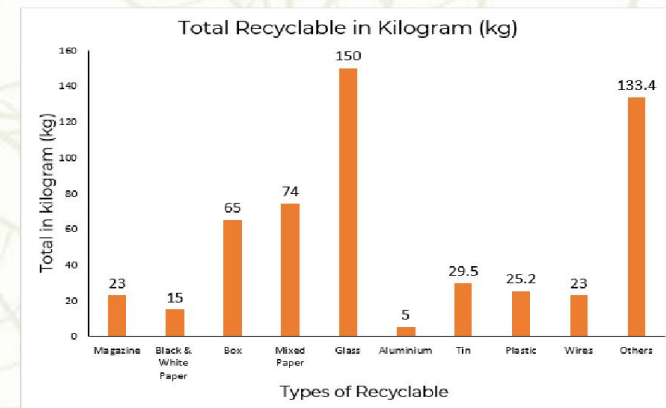


25.4.2021

Eco Bazaar@Masjid

- ✓ Sell collected preloved Hari Raya clothes and accessories.

- ✓ Bring 1L used cooking oil will get 1 preloved item for free
- ✓ Total Income : RM 1282.00
Used Cooking Oil collected : 20.6 kg
- ✓ No of participants : > 80



- ✓ Total Recyclable in RM: 798.92
- ✓ Total Recyclable in kilogram (kg) : 543.1 kg



RESEARCH

2.5.2021 Tips & tools (video)
- Capsicum Annum (chili)

6.12.2020 **Make Gardening Easier:
Tips & tools (video)**
**- Self-watering system
at home**

6.6.2021 **Make Gardening Easier:
Tips & tools (video)**
- Onion and Garlic

16.4.2021 Zero Waste,
(Poster @FB IEF)

20.12.2021
Sharing via
video (IEF)
- E-waste

22.4.2021 Earth Day,
(Poster @FB IEF)

Pamphlet water conservation initiatives at surau APIUM



Setelah 8 minggu

[illegible]

BAJA ORGANIK
TINJAUAN



SELF-WATERING SYSTEM

[illegible][illegible]

UIN AR-RANIRY

UIN AR-RANIRY

UIN AR-RANIRY

UIN AR-RANIRY

THE VIRTUE

1 MAC 2021 @thevirtue.is

Jemput membeli-belah di kedai kami demi kelastarian alam sekitar

@thevirtue.is Interaksi Eco-Friends Surau APJIM

[illegible]

MINYAK TERPAKAI
PENGURUSAN MINYAK TERPAKAI

Sebagai salah satu sumber penghasilan pendapatan, para pedagang di pasar tradisional memiliki peluang yang besar untuk meningkatkan pendapatan mereka dengan menjual produk-produk yang bernilai tambah.

inaraholicfriends SHARING THRU
VIDEO 2.0- MINTAK MAKAR TERPAKAI
KUALITASNYA BERTI.

Apa itu minyak masak terpaikan?

Ketahu dengan lebih lanjut mengenai
minyak masak terpaikan dan cara
mengambilkannya melalui
perincian daripada unit recycle
center.

Selamat menonton!

#Kahinaraholicfriends
#GreenAmbulatory
#sustainability

E-WASTE

E-waste adalah peranti
elektronik yang rosak, tidak berfungsi
dan telah dibuang




 imarahcofriends [SHARING THRU
 VIDEO 1.0: E-WASTE]
 Assalamualaikum wbt.
 Apa itu e-waste? 🤔
 Ketahu dengan lebih lanjut mengenai
 e-waste atau sisa barangan elektronik
 melalui perkongsian daripada unit
 recycle centre 🌱🌿
 Selamat menonton 🙏
 #KlaimarahEcoFriends
 #BeGreenBeExemplary
 #UnitRecycleCentre
 10/10

OUTPUT



5. NETWORKING/LINKAGES



6. PUBLICATIONS

- Chapter in a Book:
Title: Embracing Campus Sustainability through Imarah Green Project, In Mohammad Hashim Kamali (ed.), Islam and Ecological Sustainability. Kuala Lumpur: IAIS Asmawati Muhamad, Sumiani Yusoff Mohd Yakub @ Zulkifli Bin Mohd Yusoff, & Zeeda Fatimah Mohamad
- Title : Pelestarian Alam Sekitar Dalam Konteks Dakwah, Abdul Aziz Rekan (eds.), Pendidikan Islam dan Pembangunan Lestari -2021, Kuala Lumpur: Penerbit Universiti Malaya.Nor Aishah Abu Hassan, Asmawati Muhamad, & Nur Shahidah Paad
- Newspaper: Wilayah Ku, released on 1 Jun 2021, pg. 7. Title: Inspirasi Fesyen Lestari berasaskan Panduan Wahyu Penulis: Dr Asmawati & Dr. Nurul Husna
- Newspaper: Kosmo! K2. Released on 22 April 2021. Title: Surau guna teknologi hijau lestarian alam sekitar. Wartawan: Mohd. Syazwan Yusop



7. POLICY PAPER/GUIDELINES



8. OTHERS (MoU)

22.3.2021 Meeting JAWI:



- JAWI has agreed to proceed with the MoU signing.
- 4 Jun 2021 - Draft MoU UM-JAWI has been approved by the Legal Unit UM. Waiting for final approval from JAWI (Jabatan Peguam Negara)

24.12.2020 MGTC



- 24.12.2020 - Follow up meeting with CEO MGTC to have collaborative work in the outside mosques
- 27.4.2021 - During his visit to Surau APIUM, YB Minister KASA has announced a research funding of RM 30,000 for Imarah Green Project
- 27.4.2021 - MoU draft between UM-MGTC has been approved by the UM Legal Unit and MGTC Legal Unit. Signing ceremony will be taking place once the date is confirmed by both parties.

27.4.2021 Minister of Environment and Water Work Visit



Dato' Sri Tuan Ibrahim bin Tuan Man
Apr 27 • 8

Alhamdulillah, petang ini berpeluang mengadakan lawatan kerja ke Akademi Pengajian Islam, Universiti Malaya untuk meninjau inisiatif Imarah Green Project: Surau APIUM sambil berdiskusi prospek kerjasama yang boleh dijalankan bersama agensi KASA, Malaysian Green Technology and Climate Change Centre (MGTC).



Projek ini adalah untuk membudayakan pendidikan dan kesedaran kelestarian alam sekitar. Pihak APIUM telah mengembangkan fungsi suraunya sebagai surau lestari yang menekankan aspek penjimatan elektrik dan air, penggunaan peranti pintar teknologi hijau dan pengurusan penjaan sisa buangan berkonsepkan 4R.

InsyAllah, saya optimis projek ini boleh disengikan bersama inisiatif Rumah Ibadat Hijau yang pernah dilancarkan oleh MGTC pada tahun lepas. Turut bersama petang ini, Naib Cancellor UM dan CEO MGTC. Alhamdulillah.

#MalaysiaSejahtera
#MalaysiaLestari2030
#KASA