

2021 INTERNATIONAL WEBINAR & SHOWCASE ON MALAYSIAN SUSTAINABILITY PROJECT MANAGEMENT



POLITEKNIK
MALAYSIA

POLITEKNIK MERSING

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POLITEKNIK MERSING MALAYSIA

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HEAD OF DEPARTMENT FOR STUDENT
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PMJ TOWARDS CARBON FREE CAMPUS Profile Presenter



Ts. MURUGAN K RISHNAN

Ts. MURUGAN KRISHNAN
Senior Lecturer in Polytechnic of Mersing (PMJ), and 35 years' experience in TVET education. Obtained his Master degree in Electrical, Electronic & System from UKM(2004). Responsible for developing and executing green and sustainable initiatives in Polytechnic of Mersing campus together with his team. He was involved in the Renewable Energy and Smart Agricultural grant project in Polytechnic of Mersing. Being a member of Professional Technologist in MBOT since 2017 and member of SusTNET and received his Professional Certificate in Advanced Sustainable Practice under the GPM Global Sustainability Framework in 2020.



ADZRINA BINTI AMAN

ADZRINA BINTI AMAN
Senior Lecturer in Polytechnic of Mersing (PMJ), and 17 years of experience in TVET education. Obtained a Master degree in Technical and Vocational Education (2004) and a Bachelor degree in Electrical Engineering from UTHM (2002). Responsible for leading the EKSA team and together with the PolyGreen team to implement green and sustainable initiatives in the Polytechnic of Mersing campus .



RAVEENDRAN RAMASAMY

RAVEENDRAN RAMASAMY
Lecturer in Polytechnic of Mersing (PMJ), and 21 years of experiences in TVET education. Obtained his Bachelor degree in Electrical, Instrumentation & Control System from UTM (1999). Responsible for co-developing and executing green and sustainable initiatives in Polytechnic of Mersing campus. Involved in Renewable Energy and Smart Agricultural grant project in Polytechnic of Mersing. Being a member of SusTNET and received his Professional Certificate in Advanced Sustainable Practice under the GPM Global Sustainability Framework in 2020.



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PMJ TOWARDS CARBON FREE CAMPUS

Introduction To Polytechnic Of Mersing

Mersing Polytechnic (PMJ) becoming a center of technical and vocational education training (TVET) in generating quality, transformative and competitive human capital at the global



Polytechnic Mersing (PMJ) endeavors to raise awareness on sustainable development in the campus. Also commits in implementing some tangible and easily implemented policies and various targets and sub-programs such as no polystyrene in campus, plastic free campus, carbon free campus, tree-planting project, recycle project, energy saving program, waste to fertilize and some awareness program in order to reduce carbon footprint and create a sustainability campus.

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PMJ TOWARDS CARBON FREE CAMPUS

"PMJ TOWARDS CARBON FREE CAMPUS"
"SAVE THE EARTH TO THE EARTH"
 Burn FAT not OIL!!

RECYCLE DAY "PROGRAM"
 CARBON FREE DAY "PROGRAM"
 ZERO WASTE MANAGEMENT CAMPAIGN

29 SEPTEMBER 2019
 POLITEKNIK MERSING

Lets walk, cycle, bus & carpool! Reduce your carbon footprint in our campus!



Ts. Murugan Krishnan

Manager of SmartGreen Polytechnic Mersing

SUSTAINABLE DEVELOPMENT GOALS

<p>1 NO POVERTY</p>	<p>2 ZERO HUNGER</p>	<p>3 GOOD HEALTH AND WELL-BEING</p>	<p>4 QUALITY EDUCATION</p>	<p>5 GENDER EQUALITY</p>	<p>6 CLEAN WATER AND SANITATION</p>
<p>7 AFFORDABLE AND CLEAN ENERGY</p>	<p>8 DECENT WORK AND ECONOMIC GROWTH</p>	<p>9 INDUSTRY, INNOVATION AND INFRASTRUCTURE</p>	<p>10 REDUCED INEQUALITIES</p>	<p>Goal 17: Strengthen the means of implementation and revitalize the global partnership for sustainable development</p>	<p>12 RESPONSIBLE CONSUMPTION AND PRODUCTION</p>
<p>13 CLIMATE ACTION</p>	<p>14 LIFE BELOW WATER</p>	<p>15 LIFE ON LAND</p>	<p>16 PEACE, JUSTICE AND STRONG INSTITUTIONS</p>	<p>17 PARTNERSHIPS FOR THE GOALS</p>	<p>SUSTAINABLE DEVELOPMENT GOALS</p>

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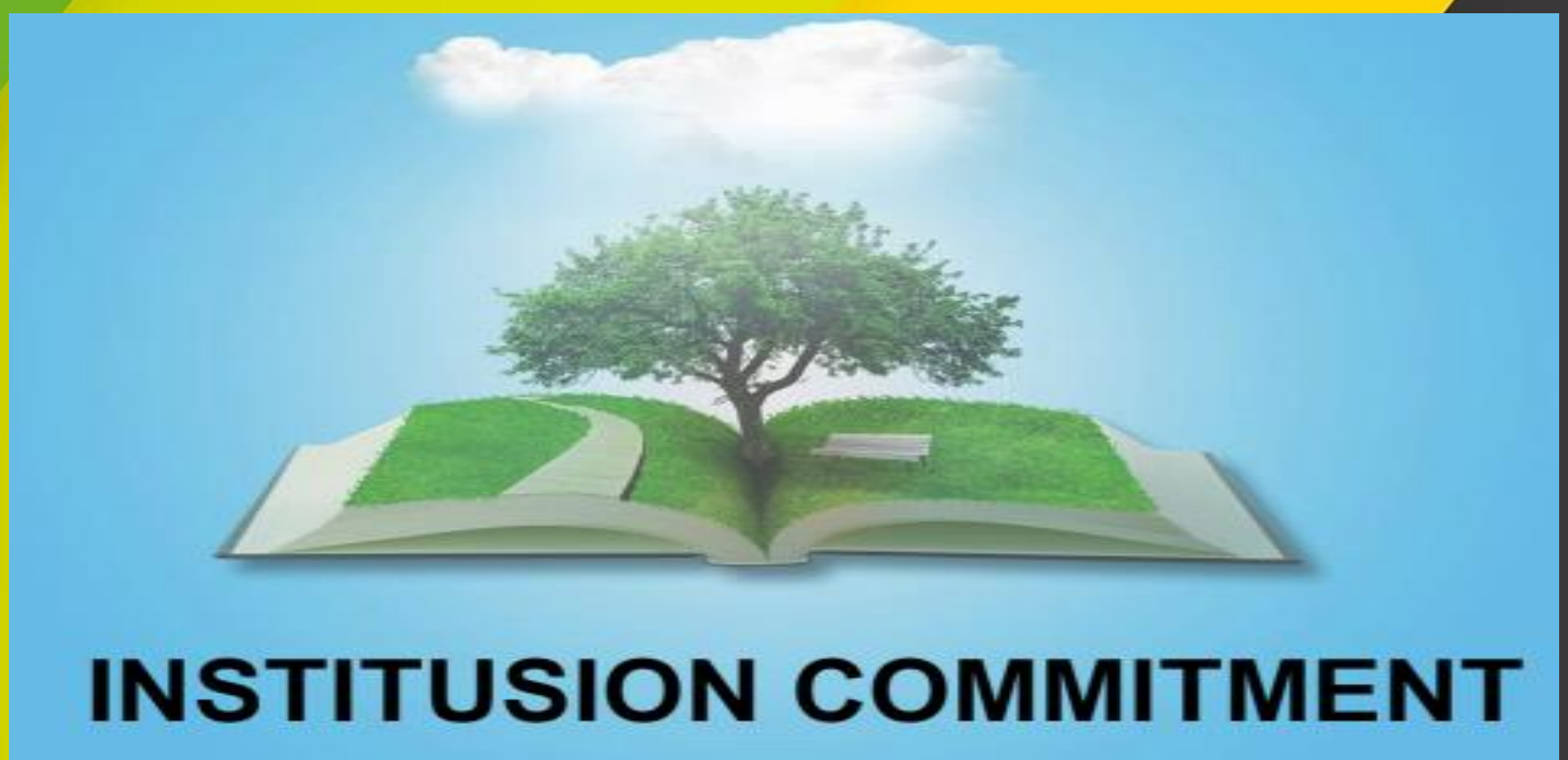


PMJ TOWARDS CARBON FREE CAMPUS



Department of Polytechnic and Community College Education (DPCCE) as one of the leading TVET institutions in the country has committed to continue to be proactive in ensuring to achieve the agenda of 2030 sustainable development goal. One of the activity to achieve this goal is through the transformation of the Blueprint *SmartGreen Polytechnic Community College Blueprint 2021-2026(BSGPC)*. This BSGPC will directly be a reference document to all sustainable activities and programs in polytechnics and community colleges. This positive effort is able to produce a workforce that adopts green initiatives that support and implement national development initiatives.

Figure 1.0: Bleprint SmarGreen PolyCC



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Initiatives On Greening My Campus



a. No Styrofoam (Polystyrene) in Campus

Styrofoam is actually the trade name for polystyrene. Many people are not aware of the harmful effects of Styrofoam. It has become such an accepted everyday product that people often do not understand on how Styrofoam harms the environment. It is popular because of its lightweight, good insulation properties and advantage as a packing material for shipping without adding weight. Styrofoam made from polystyrene, which is a petroleum-based plastic and it contains the toxic substances such as Styrene and Benzene, suspected carcinogens and neurotoxins that are hazardous to humans. Hot foods and liquids actually start a partial breakdown of the Styrofoam, causing some toxins to be absorbed into our bloodstream and tissue.



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Initiatives On Greening My Campus

PROGRAM PMJ TOWARD PLASTIC FREE CAMPUS 2020

"Save the Earth for the Earth"

Logos: POLITEKNIK MALAYSIA MERSING, KEMENTERIAN PENDIDIKAN MALAYSIA, SWCap, GREEN CAMPUS, EKSA, DSK5

Icons: No plastic bottle, No plastic bag, No plastic sticks, Recycling bins

1 Mac 2020 (Ahad) | 2.00p.m. - 5.00p.m. | Dewan Permata Marjan, Politeknik Mersing

HARI TANPA BEKAS & BEG PLASTIK KE ARAH BUMI HIJAU

SETIAP RABU MULAI 1HB. SEPTEMBER 2020

ANDA DIMINTA MEMBAWA BEKAS & BEG SENDIRI
KERJASAMA ANDA AMAT DIHARGAI
BERSAMA MENJAGA KAMPUS KITA

Bermula 1hb. September 2020 semua PEMBEKAL MAKANAN DARI LUAR perlu mematuhi arahan Larangan Penggunaan Bekas Makanan & Minuman Plastik dan Beg Plastik di kampus pada setiap hari RABU.

Logos: KEMENTERIAN PENDIDIKAN TINGGI, POLITEKNIK MALAYSIA MERSING, SmartGreen DMJ

www.pmj.edu.my, www.facebook.com/politeknikmersing, uidmpoliteknikmersing



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Initiatives On Greening My Campus

Reduce Carbon Foot Print



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Initiatives On Greening My Campus

POLITEKNIK MERSING

CAR FREE DAY

Burn FAT not OIL!!

DATE : 29 SEPTEMBER 2019
TIME : 8.00AM - 1.00PM
VENUE : PERMATA MARJAH HALL, POLITEKNIK MERSING

Green WALK

Join Us!!
Show your support by wearing GREEN.

Lets walk, cycle, bus & carpool!
Reduce your carbon footprint in our campus!

Co-organizer:

Tentative: SCAN ME

CARBON FREE DAY "PROGRAM"

Join us!!
Show your support
by wearing
Green

Green WALK



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Tree Planting Activities



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Green Walk

The purpose of this activity is to give awareness to students the importance of taking care our environment as a whole.



Sustainable Development Goals

This campus project is focused towards achieving 2 segment of Sustainable Development Goals (SDGs) as below and promote Planet in 5Ps Sustainable Development.



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Energy Saving Project



turn OFF the lights

MARCH 28 2015 Earth Hour 20:30 21:30

PELAKSANAAN UJILARI



4 QUALITY EDUCATION



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



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Agricultural Project in Campus



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PMJ TOWARDS CARBON FREE CAMPUS Harvesting Rain Water Project for Agricultural



 SUSTAINABLE DEVELOPMENT GOALS

6 CLEAN WATER AND SANITATION


8 DECENT WORK AND ECONOMIC GROWTH

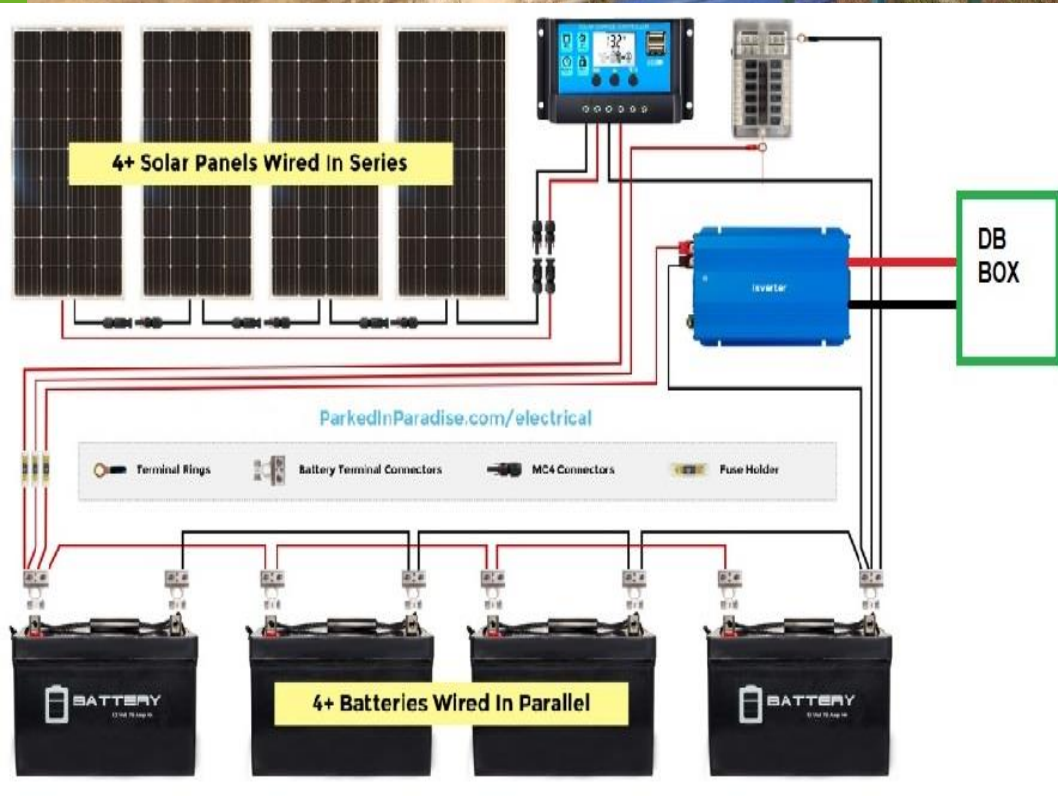

12 RESPONSIBLE CONSUMPTION AND PRODUCTION


13 CLIMATE ACTION


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PMJ TOWARDS CARBON FREE CAMPUS

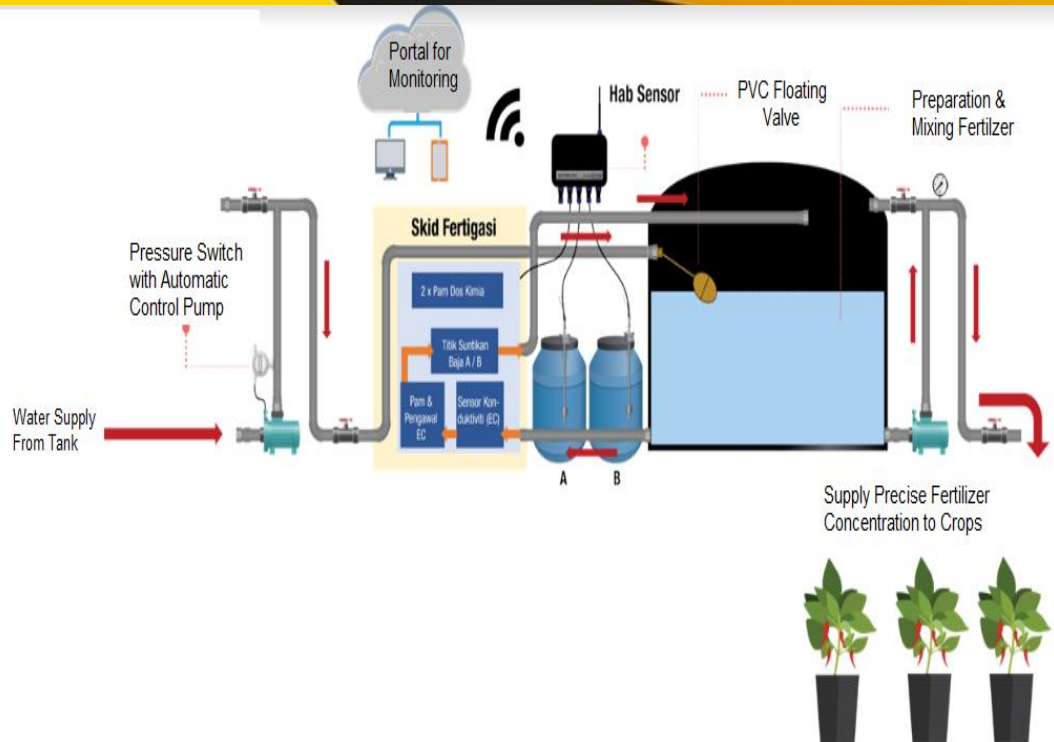
Renewable Project in Campus



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Smart Agricultural Using IOT Technology



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RECYCLE PROJECT IN CAMPUS



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Landscape Projects Using Recycled Items



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Waste Food to Fertilizer Project



Waste Food to Fertilizer Project

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PMJ TOWARDS CARBON FREE CAMPUS POLYTECHNIC MERSING TOWARDS CASHLESS SOCIETY



4 QUALITY EDUCATION



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SUSTAINABLE DEVELOPMENT GOALS ACHIEVED BY PPMJ THROUGH GREEN INITIATIVES

This campus project is focused towards achieving 10 segment of Sustainable Development Goals which are as follows:

No	Project @ Product Activities	SDGs Achieved	5P
1	No Styrofoam (Polystyrene) in Campus – Policy Implementation & Program on Awareness	No 3 - Good Health and Well-Being	People & Planet
2	Plastic Free Campus - Policy Implementation & Program on Awareness	No 3 - Good Health and Well-Being No 4 - Quality Education	People & Planet
3	Reduce Carbon Foot Print – Activities Program on Greening Campus	No 4 - Quality Education No 13- Climate Action	Planet
4	Energy Efficiency Program – Activities Program on Energy Saving	No 4 - Quality Education	Prosperity
5	Green Landscape Project – Activities Program on Greening Campus	No 13- Climate Action	Planet
6	Recycle Program In Campus – Activities Program on Awareness and Cost Saving	No 4 - Quality Education	People
7	Agricultural Project in Campus- Activities Program Economic Growth and Partnership with Industry	No 8 - Decent Work And Economic Growth	People & Partnership
8	Renewable Project in Campus – Activities program on Clean Energy and Quality on Technical Education	No 7 - Affordable and Clean Energy and Partnerships for the Goals	Planet & Partnership



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PMJ TOWARDS CARBON FREE CAMPUS Awards



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PMJ TOWARDS CARBON FREE CAMPUS

Awards

This certificate is awarded to
Polytechnic of Mersing
as The 634th World's Most Sustainable University
Jakarta, 19 Desember 2018

Prof. Dr. Ir. Muhammad Anis, M.Met
Rector Universitas Indonesia

Prof. Riri Fitri Sari, M.M., M.Sc
Chairperson of UI GreenMetric

Certificate
This certificate is awarded to
Polytechnic of Mersing
as The 573rd World's Most Sustainable University
in 2020 UI GreenMetric World University Rankings
Jakarta, 7 December 2020

Prof. Ari Kuncoro, S.E., M.A., Ph.D
Rector of Universitas Indonesia

Prof. Riri Fitri Sari, M.M., M.Sc
Chairperson of UI GreenMetric
World University Rankings

Sijil Penghargaan
KEMENTERIAN PERUMAHAN DAN KERAJAAN TEMPATAN
merakamkan setinggi-tinggi penghargaan kepada
KOMUNITI KAMPUS POLITEKNIK MERSING,
JALAN NITAR, MERSING, JOHOR
atas penyertaan
ANUGERAH KEJIRANAN HIJAU 2020 (AKH2020)
sempena
HARI PERANCANGAN BANDAR SEDUNIA 2020
pada
10 NOVEMBER 2020
PUTRAJAYA

YB PUAN HAJAH ZURaida Binti Kamaruddin
MENTERI PERUMAHAN DAN KERAJAAN TEMPATAN

ANUGERAH HIJAU KEBANGSAAN
PERTUBUHAN KONSERVASI ALAM MALAYSIA &
GLOBAL ENVIRONMENTAL INVENTION & INNOVATION ASSOCIATION
Sijil Anugerah Alam
Ts. MURUGAN KRISHNAN
660816-05-5383
ANUGERAH INOVASI HIJAU & REKA CIPTA KEBANGSAAN
ANUGERAH
SAINTIS MESRA ALAM
TANAMAN SAYUR FERTIGASI MENGGUNAKAN TEKNOLOGI PINTAR
PROFESOR DR. (ER) SANTHARASEKARAN SUBRAMANIAM
Presiden Pertubuhan Konservasi Alam Sekitar Malaysia & Asia Pasifik
Presiden Rangkaian Konservasi Alam Malaysia
Presiden Global Environmental Invention & Innovation Association (Geiia)
Penyelaraz Program Alam Sekitar Kebangsaan

Environmental Conservation Association of Malaysia
Environmental Conservation Ranger of Malaysia
Special Award
presented to
Ts. MURUGAN KRISHNAN
660816-05-5383
Certifying the outstanding creativity and
novelty of the honourable invention & innovation
**GO-GREEN
INNOVATOR AWARD**
GGIA
TANAMAN SAYUR FERTIGASI MENGGUNAKAN TEKNOLOGI PINTAR
Eco Ranger Chief
PROF. DR. ER. SANTHARASEKARAN SUBRAMANIAM
President of Environmental Conservation Association of Malaysia & Asia Pacific Region
President of Environmental Conservation Ranger of Malaysia
President of Global Environmental Invention & Innovation Association
Coordinator of Malaysia Environmental Programme
Malayan Tiger Activist
2/11/2020/2021

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