

2019

ACADEMIC INTELLECTUAL INTERNATIONAL INVENTION,

INNOVATION & DESIGN BOOK

Published by: Student Affairs Department,

Universiti Teknologi MARA Kedah,

P.O. Box 187, 08400 Merbok, Kedah, Malaysia.

Patron : Dr. Wan Irham Ishak

Dr. Abd Latif Abdul Rahman

Project Manager : Yazwani Mohd Yazid

Design Director : Mohd Hamidi Adha Mohd Amin

Fadila Mohd Yusof

Editorial Director : Mohd Hamidi Adha Mohd Amin

Mas Aida Abd Rahim

Copyright © 2019 Student Affairs Department, Universiti Teknologi MARA Kedah. No part of this publication may be reproduced, stored in retrieval system, or transmitted in any form or by means, electronic, mechanical, photocopying, recording, or otherwise, without the prior permission of the publisher.

ISBN: 978-967-0314-71-6

Printed by: Perpustakaan Sultan Badlishah,

Universiti Teknologi MARA Kedah,

P.O Box 187, 08400 Merbok, Kedah, Malaysia.

121.	WOMEN ORBIT- EASY METHOD FOR UNDERSTANDING MENSTRUAL CYCLE.	123
122.	CANDLE ELECTRICAL POWER GENERATOR SYSTEM (CEPSIS)	124
123.	3D PRINTED LOWER-LIMB SOCKET FOR PROSTHETIC LEG	125
124.	DUAL USAGE TOILET BOWL	126
125.	MCYCLE EBOX	127
126.	RASPBERRY IOT LEARNING KIT WITH ANDROID APP	128
127.	EARLY DROWSINESS DETECTION SYSTEM	129
128.	FISH SCALE REMOVER MACHINE	130
129.	PERPUSTAKAAN SPA RETOSC	131
130.	WATER QUALITY MONITORING SYSTEM	132
131.	MARITEAM (EMPOWERING LOCAL FISHERY WITH THE NEW TECHNOLOGY)	133
132.	COLLEGE ACTIVITY ATTENDANCE REGISTRATION & SCRUTINIZATION	134
	SYSTEM USING BARCODE SCANNER (COLLAARS)	
133.	TOYS SCOOPER	135
134.	SUPERVISION ELECTRICITY ENERGY USING IOT SYSTEM	136
135.	GO N DRINK	137
136.	SMART AUTOMATIC FISH FEEDER 4.0	138
137.	SAFETY EARTH LEAKAGE CIRCUIT BREAKER	139
138.	ECO POT	140
139.	SMART GARDENING SYSTEM	141
140	EDUCADD (ENCLICHEDUCATION CADD) THE COLUTION TO LEADN	1.42
140.	EDUCARD (ENGLISH EDUCATION CARD) THE SOLUTION TO LEARN GRAMMAR EASILY	143
141.	BIO-INSPIRED NOVEL HYBRID VERTICAL AXIS WIND TURBINE	144
142.	"COCOGO" THE ANTIDIABETIC CARBONATED COCONUT DRINK	
	INNOVATION ADDED BY THE EXTRACT OF ALBEDO FROM WATERMELON	145
	AND PUGUNTANO LEAF AS COMMODITY OF NORTH SUMATERA	
143.	EGI (ELECTRIC GREEN INNOVATION): DEVELOPMENT TECHNOLOGY	146
	DYE-SENSITIZED SOLAR CELL (DSSC) MADE FROM KIAMBANG	
	CHLOROPHYLL AND CYANOBACTERIA IN RANU PANI LAKE	
	CONSERVATION AS ECO-FRIENDLY ELECTRIC ENERGY	
144.	A TECHNOLOGY-BASED SMART TECH NECKLACE AS A BREAKTHROUGH	147
	FOR AN INTEGRATED INCLUSIVE DEAF EDUCATION (OR ENVIRONMENT)	
145.	SABUN STICK SARA ANN 2.0	148
146.	V-SHOCK PEN	149
147.		150
148.	SMART HYDROT (SMART HYDROPONICS ROTATING TOWER)	
149.	,	151
147.	BAPEL "BAKSO APEL" THE INNOVATION OF BAKSO THAT USES	151 152
147.	BAPEL "BAKSO APEL" THE INNOVATION OF BAKSO THAT USES APPLE TO INCREASE THE CONSUMPTION OF APPLE AND BAKSO WHICH	
150.	BAPEL "BAKSO APEL" THE INNOVATION OF BAKSO THAT USES APPLE TO INCREASE THE CONSUMPTION OF APPLE AND BAKSO WHICH CAN DECREASE THE RISK OF CANCER	



'BAS BURUK' PROJECT

Faridatuljana binti Mohd Noor, Mohd Anuar bin Selamat, Mohd Qamarul Ariffin , Mohamad Emirrudin Mat Azni and Luqman Al-Hakim Saidi

Batu Pahat Community College, Batu Pahat, Johor, Malaysia,

faridatuljana@gmail.com

After a few years of being left unused a bus was renovated as a café. The objective of renovating this bus is to open up business opportunities for students. Through this opportunity they will be able to venture into the entrepreneurial world. It also able to bridge the relationship with the local community that can enhance the image of Community College to the community. Indirectly, they will be exposed to the courses offered at the college. The uniqueness of this bus is that it is modified from an old and idle bus to a unique and exciting café called "CEMILAN CAFÉ". The Cemilan Café is divided into two spaces, namely office space and kitchen. The office space is used by entrepreneur students to carry out discussion work on entrepreneurial activities. The kitchen space is used for cooking and food service. The café provides delivery food to the customers and also provides a unique seat where the seating provided is made of the renovation which is the seat of the bus itself. A special room for relaxation is also laid out for visitors visiting the café. The damaged and faded bus has been refurbished by patching more attractive stickers. In conclusion, the potential of the café can be used to expand business. It can be upgraded from non-moving café to a café bus that moves beyond the business site and can find new customers as well as enable traders to promote sales at Cemilan Café to the outside community.







