

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 (ENGLISH EDUCATION CADD) THE SOLUTION TO LEADN	1/12
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.	SISTEM PENGURUSAN AKTIVITI PELAJAR	150
148.	SMART HYDROT ( SMART HYDROPONICS ROTATING TOWER )	151
149.	BAPEL "BAKSO APEL" THE INNOVATION OF BAKSO THAT USES	152
	APPLE TO INCREASE THE CONSUMPTION OF APPLE AND BAKSO WHICH	
	CAN DECREASE THE RISK OF CANCER	
150.	GLORY AQUA	153



## EFFECTIVENESS OF DISCUSSION ROOM'S RESERVATION SERVICE: EZ-BP PSB

Noor Azlin Bt Abdullah, Mohd Amin Bin Zainol, Mazuriah Bt Ahmad, Mat Asri Bin Baharom & Norismaliza Bt Che Oon

Perpustakaan Sultan Badlishah, Universiti Teknologi MARA, Cawangan KEDAH,

noorazlin@kedah.uitm.edu.my

Objectives of this invention is to expand the effectiveness in booking process from manual to database system through Ez-BP at Perpustakaan Sultan Badlishah UiTM (PSB) Kedah. In order to sustain and shared the new invention, PSB served and provided the reservation for discussion room to end user especially student in a short time which is cover the Surging Ahead Through Creativity. The culture of invention will prepare us to innovate and try to commercialize. The novelty and the uniqueness of Ez-BP are affected to the technologies usage and the implementation will carry out a platform which is more easily, full of integrity that's related to end user (reduce bias's issue and highly fairness). This invention can get immediate feedback. "Ez-BP" provide the great impact by saving times, reduces budget for paper and system, implement green environment (paperless) and also provided the original data because it's cannot be altered. Commercialization aspect that could be consider is to offer the consultation's services for build up this booking platform thought out the academic lifestyle that affected to student and culture. The inventions of the flow in reservation's process always looks simple but without an invention or creativity, the implementation and the process will be routine and manually. There will no relationship among workflow and the invention or new technologies involve especially in academic fields. So, as a conclusion, this invention of Ez-BP was really needed because we need the learning process that can contribute to the novelty and uniqueness as mentioned.







