

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.

89.	Dadu BiMate TJI: AN INNOVATION OF BOARD GAME FOR FUN AND EFFECTIVE NUMBER, BASIC OPERATIONS AND BASIC MEASUREMENT FACTS LEARNING IN PRIMARY MATHEMATICS	91
90.	ANICARE	92
91.	PEMPEK BO SANG (FISHCAKE MADE OF BANANA'S FLORAL STEM)	93
92.	EXAMINATION MANAGEMENT SYSTEM (EXAMS)	94
93.	KLEAN	95
94.	MUSON (MUSHROOM NOODLE) INNOVATION OF HEALTHY FOOD PRODUCTS FROM OYSTER MUSHROOMS WITH NEW INNOVATION AS A POTENTIAL BUSINESS OPPORTUNITY IN PUBLIC SECURITY	96
95.	TENAGA GUNA SEMULA (TEGUSE)	97
96.	ANALISIS PUNCA MASALAH PEMBELAJARAN OPERASI TOLAK DALAM LINGKUNGAN 10 DAN KEUPAYAAN BITOBI MATCH-UP DALAM MENGATASI MASALAH: KAJIAN RINTIS	98
97.	IMPROVING STUDENTS AWARD SELECTION PROCESS THROUGH THE DEVELOPMENT OF AKSIS (ANUGERAH KECEMERLANGAN SISWA) WEB INFORMATION SYSTEM	99
98.	IMPROVING RECORDS' MANAGEMENT PRACTICES VIA ATTENDANCE MONITORING SYSTEM (AMOS)	100
99.	DELAT ADLER: THE PORTABLE AND VERSATILE ELECTRCITY GENERATOR.	101
100.	DISASTER E-DRONE PREVENT INCREASING OF VICTIM ENGLISH!	102
101.	SPEAK UP SYSTEM	103
102.	H-BALM: HARUMANIS-BASED RELIEVING PRODUCT	104
103.	H-CUBE: INNOVATIVE HARUMANIS PERLIS PRODUCT	105
104.	DARE TO INVEST: CREATIVE MIND AND INNOVATIVE IDEA	106
105.	POLYVALENT CARREL	107
106.	Ezi4BANNER 2.0	108
107.	RANGGU " THE NATURAL COLOUR"	109
108.	SMART EMERGENCY DRONE FOR MANAGEMENT OF DISASTER	110
109.	SMARTOVATION YUZA WITH LONG DEPENDABLE WIRES	111
110.	THE CONVERSION OF THERMOELECTRIC ENERGY INTO ELECTRICAL ENERGY IN APPLICATION OF DEREM CHARGER	112
111.	TEH HARUMANIS PERLIS	113
112.	CAR CARBON MONOXIDE DETECTOR (CARMOD)	114
113.	RECYCLE BIN : WASTE BUSINESS PLATFORM TO IMPROVE SCAVENGER'S CHILDREN EDUCATION BASED ON MOBILE APPLICATION	115
114.	SMART WUDHUK	116
115.	CAPTION (CANTILEVER PIEZOELECTRIC ENERGY HARVESTER WITH ENERGY BANK SYSTEM FOR FISHERMAN) AS AN ALTERNATIVE TECHNOLOGY INNOVATION TO OPTIMIZE MARITIME ENERGY RESOURCES	117
116.	AUTO WATER RECLOSE	118
117.	WIRELESS AIR POLLUTION DETECTOR (MAGIC NOZZ)	119
118.	E-CAMFINDER LEARNING APPLICATION	120
119.	ROTARY GRILL-gen2	121
120.	GARBARGAIN : A SOLUTION FOR PRA-PROSPEROUS COMMUNITIES BY EXCHANGED GARBAGE TO GET THE SUITABLE LEFTOVER FOOD	122

INNOVATION

CATEGORY

IMPROVING STUDENTS AWARD SELECTION PROCESS THROUGH THE DEVELOPMENT OF AKSIS (ANUGERAH KECEMERLANGAN SISWA) WEB INFORMATION SYSTEM

**Rizqan Bin Saari, Muhammad Salehuddin Bin Zainal Mazri, Abdul Shahrul Azim Bin Sudin,
Mohd Akmal Faiz Bin Osman and Mohamad Rahimi Bin Mohamad Rosman**

Faculty of Information Management, Universiti Teknologi MARA Kelantan

`rizqan.minutes@gmail.com`

Majlis Anugerah Kecemerlangan Mahasiswa (MAKM) is one of the important events in UiTM that will be held every year as a platform to recognize students excellency, this event generally organize by Student Affair Unit. A preliminary study was conducted at the Universiti Teknologi MARA Kelantan. However, the process of MAKM selection takes longer time due to several problems. First, students has to fill a lot of forms, this may lead to missing form or incomplete form. Second, the process of selection of the winners require a lot of procedures and time consuming. Thirds, lack of awareness among students regarding their qualification for the awards. Therefore, Anugerah Kecemerlangan Siswa (AKSIS) System was develop based an open source programming PHP, HTML5, JQuery and CSS. The objectives of the system are to provide platform for online application that reduce dependency on paper printed, to reduce selection procedure of award winners and improve the transparency of the awards selection process as well as awareness regarding the awards. In form of commercialization, this system can be utilize by education institutions, government agencies and private sectors. In term of novelties, the system provide guidelines and tools to appropriately select a winner and also provide students performances index.



UNIVERSITI
TEKNOLOGI
MARA

Cawangan Kedah
Kampus Sungai Petani



KEMENTERIAN
PENDIDIKAN
MALAYSIA



ISBN 978-967-0314-71-6



9 789670 314716