

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.

55.	LinProT: AN INNOVATIVE COURSEWARE WITH INTEGRATION OF	57
	AUGMENTED REALITY FOR OPTIMIZATION METHODS	
56.	HEALTHNAV@INFO: A PERSONAL MOBILE MAPPING HEALTHCARE	58
	SYSTEM FOR COMMUNITY ACCESSIBILITY SERVICES	
57.	MyDISEASE@MAPPER: A FREE AND OPEN SOURCE PLATFORM FOR	59
	GEOSPATIAL DISEASE EPIDEMIOLOGY IN MALAYSIA	
58.	THE DEVELOPMENT OF INTERACTIVE LEARNING METHODS	60
	THROUGH AUGMENTED REALITY IN ENGINEERING DRAWING	
59.	HEALTHY LIFESTYLE WITH DIABETEA	61
60.	EDUCATIONAL ANDROID SIMULATOR OF RES-CIRCUIT QUIZ BOARD	62
61.	BELOVED TRACKER SYSTEM	63
62.	GAS LOAD MONITORING SYSTEM BASED ON IOT TECHNOLOGY	64
63.	MONOENGLISH	65
64.	HOMETUTORINK: A MOBILE APPLICATION FOR HOME-TUTORING	66
	SERVICES IN MALAYSIA	
65.	UTILIZATION OF BEESWAX TRIGONA Sp. AS A BIOSOLAR ADDITION	67
	TO INCREASE SUPPLY OF RAW BIODIESEL FRIENDLY IN THE FUTURE	
66.	ECO BIO-SPRAYER	68
67.	BELIMBING TUNJUK, A CHEMISTRY AND COOL IN JAR: NUTRITIOUS	69
	AND SATISFYING LOCAL FRUIT	
68.	ECOSEGAR BIO-STRAW	70
69.	3 IN 1 BABY CUTIE DISPENSER (BCD)	71
70.	MOBILE ADJUSTABLE ROSTRUM	72
71.	FUN-EDU	73
72.	SMART CHAIR	74
73.	RAK PUSTAKA MINI	75
74.	EZHCHECKUP	76
75.	PHARMACY QR CODE	77
76.	EDU-BAR RULER	78
77.	ACCOUNTANTALIZING	79
78.	EZ-STOPPER	80
79.	FLAWASH	81
80.	IMPLEMENTING THE BOUTIQUE OF CHARITIES IN IMPROVING	82
	THE DISCIPLINE AND BASIC NEEDS OF STUDENTS AT PERAK	
	MATRICULATION COLLEGE	
81.	@LUNA: EFFECT OF MOON PHASE	83
82.	ORGANIC FERTILIZER	84
83.	MECHATRONIC SMART TRAINING KIT	85
84.	GREELA: GREEN PULSED ELECTRIC FIELD-ASISSTED EXTRACTION	86
	OF SPIRULINNA SP. CAROTENOID FOR ENRICHED-OLIVE OIL TO ACHIEVE	
	SUSTAINABLE HIGH VITAMIN A OIL AVAILABILITY	
85.	REVISITING THE INDIGENOUS FOLKLORES: AN EDUTAINMENT PROJECT	87
86.	SUSTAINABLE TABLE POT 1.0	88
87.	MAHIR JAWI (MAJA)	89
88.	CODETOPROTECT	90



## ANICARE

## **Sathis Waran**

Increasing pet owners and advance technologies have created a demand for the expertise and veterinarian across global recently. The Veterinary Services industry is currently growing drastically in the development of phase of its life cycle. Industry value added (IVA), which measures an industry's contribution to the overall economy is expected to increase at the annualised rate of 3.3 % over the 10 years to 2023. In conjuction with this, the cost of veterinary care is also rising due to high demand for service. However, this has created a major setback for many customers. For instance, some customers claimed that the cost of dental scalling can up to RM850 which is expensive for them. Thus, we would like to introduce a new mobile application called "AniCare" which function similar to "Grab" concept to cater individual needs. Based on economy sharing concept, this mobile apps will help to not only help to reduce the cost of veterinary service but also creating more job opportunities among students.







