

ABDUL RAZAK KASMURI



- KULLIYAH OF PHARMACY
- IIUM Kuantan Campus
- Email address:
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ACADEMIC QUALIFICATION

- PhD in Pharmacology (Drug Development)
- Master of Science (Pharmacology)
- Doctor of Medicine

TEACHING RESPONSIBILITIES

| | |
|---|--|
| ANTI CANCER CHEMOTHERAPY | 2012/2013 2013/2014 2014/2015 2015/2016 2017/2018 2018/2019 2019/2020 |
| ANTI-INFECTIVE & CYTOTOXIC AGENTS | 2009/2010 2010/2011 2011/2012 2012/2013 2013/2014 |
| ANTI-INFECTIVE AGENTS | 2020/2021 |
| ANTI-INFECTIVES AGENTS | 2011/2012 2012/2013 2013/2014 2014/2015 2016/2017 2017/2018 2018/2019 |
| Antiinfective and Cytotoxic Agents | 2008/2009 |
| BODY SYSTEM I : CARDIOVACULAR & HAEMATOLOGY | 2012/2013 2013/2014 2014/2015 2016/2017 2017/2018 2018/2019 2019/2020 |
| BODY SYSTEM II : RESPIRATORY & URINARY SYSTEM | 2016/2017 2017/2018 2018/2019 2019/2020 |
| BODY SYSTEM III : MUSCULOSKELETAL & SENSORY ORGANS | 2011/2012 2012/2013 2013/2014 2014/2015 2016/2017 2017/2018 2019/2020 |
| BODY SYSTEM IV: GASTROINTESTINAL &HEPATOBIILIARY SYSTEMS | 2017/2018 2018/2019 2019/2020 |
| BODY SYSTEM V : ENDOCRINE & REPRODUCTIVE SYSTEMS | 2012/2013 2013/2014 2014/2015 2015/2016 2017/2018 2018/2019 2019/2020 |
| BODY SYSTEM VI : CNS | 2012/2013 2013/2014 2014/2015 2016/2017 2017/2018 2018/2019 2019/2020 |
| BODY SYSTEM VII : CENTRAL NERVOUS SYSTEM | 2009/2010 2010/2011 2011/2012 |
| BODY SYSTEM VIII : SENSORY ORGAN | 2009/2010 2010/2011 2011/2012 2012/2013 2013/2014 |
| Body System IV : Musculo-skeletal | 2010/2011 2011/2012 |
| Body System VIII : Sensory Organs | 2006/2007 2007/2008 2008/2009 |

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|---|---|
| Clinical Pharmacy II | 2009/2010 |
| Clinical Toxicology | 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2018/2019 2019/2020 |
| Drug Delivery System | 2010/2011 |
| FAMILY MANAGEMENT AND PARENTING | 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 2019/2020 |
| FUNDAMENTALS OF PHARMACOLOGY | 2010/2011 2012/2013 2013/2014 2015/2016 2016/2017 2017/2018 |
| FUNDAMENTALS OF PHYSIOLOGY | 2010/2011 2011/2012 2012/2013 2013/2014 |
| Fundamentals of Pharmacology | 2011/2012 |
| HALAQAH 1 | 2007/2008 |
| HALAQAH 2 | 2006/2007 2007/2008 |
| ISLAMIC INPUT IN PHARMACY | 2010/2011 2011/2012 2012/2013 2013/2014 2015/2016 2016/2017 2017/2018 |
| OTC (over the counter) Medication | 2011/2012 |
| PHARMACOLOGY OF THE PERIPHERAL NERVOUS SYSTEM | 2010/2011 2011/2012 2012/2013 2013/2014 2014/2015 2015/2016 2016/2017 2017/2018 2018/2019 |
| Pharmacokinetics and Biopharmaceutics | 2006/2007 2007/2008 |
| Pharmacotherapeutics II | 2009/2010 |
| Problem-based Learning I | 2006/2007 |
| Problem-based Learning II | 2006/2007 |
| STUDY CIRCLE 1 | 2011/2012 |
| STUDY CIRCLE 2 | 2010/2011 2011/2012 |
| STUDY CIRCLE 2 (BROTHER) | 2012/2013 2013/2014 |

RESEARCH PROJECTS

Completed

- 2016 - 2019** Influence of multiple reaction monitoring (MRM) on the separation of amlodipine and perindopril in pharmaceutical dosage form and plasma
- 2016 - 2018** ??Glucosidase Inhibitor and Aroma from the Flesh of Salak (Salacca zalacca) Fruit, their Metabolic Demarcation and Antidiabetic Potential

- 2016 - 2019** Incorporation of stingless bee honey into hydrogel as a potential wound healing promoter
- 2016 - 2018** ??Glucosidase Inhibitor and Aroma from the Flesh of Salak (Salacca zalacca) Fruit, their Metabolic Demarcation and Antidiabetic Potential
- 2016 - 2018** ??Glucosidase Inhibitor and Aroma from the Flesh of Salak (Salacca zalacca) Fruit, their Metabolic Demarcation and Antidiabetic Potential
- 2015 - 2020** Addressing Formulation Issues of Syariah Compliant Generic Sustained Release Antidiabetic Solid Dosage Form
- 2015 - 2019** The Effects of the Antioxidant Active Fractions of Ficus Deltoidea on Fatty Acid Induced-Insulin Resistance Cells Model as a Potential Therapeutic Agent for Types 2 Diabetes Mellitus
- 2015 - 2019** Isolation Of α -Glucosidase Inhibitor and aroma from the Flesh of Salak (Salacca zalacca) Fruit and Their Metabolic Profiling on GC/MS.
- 2014 - 2017** Estimation of Amlodipne Level in Diabetic and Hypertensive Rats' Urine and its Effects on Adrenergic Receptors
- 2014 - 2018** Synthesis and Mechanistic Evaluation of Orvinol Analogues as Potential Anti-Relapse to Morphine/ Methamphetamine Dependence
- 2014 - 2018** In Vitro Anticancer Potentials Of Ethyl P-Methoxycinnamate (EPMC) An Active Ingredient Of Cekur (Kaempferia Galanga) On Human Cancer Cell Lines Differing In P53 Status.
- 2013 - 2018** Nano-Transfersomes as a Novel Elastic Transdermal Carrier to Address Poor Bioavailability Issue of Raloxifene Hydrochloride
- 2012 - 2013** Effects of Pluchea Indica on Glucose Uptake and Glucose Transportation (Glut 4) Gene Expression of Adipocyte Cells
- 2012 - 2015** Sintesis analog dan modifikasi struktur mitragynine untuk mengkaji perkaitan di antara stuktur mitragynine dengan kesan psikoaktif drug
- 2012 - -1** Effects of Pluchea Indica on Glucose Uptake and Glucose Transportation (Glut 4) Gene Expression of Adipocyte Cells
- 2011 - 2014** Bio-equivalence Study of Generic Gliclazide Tablet (IIUM Pharmacy) and Brand-name Gliclazide Tablet (Diamicron)in Healthy Male Volunteers
- 2010 - 2016** Structure-Based Virtual Screening of Chemical Libraries and Functional Assay on Small-Cell Lung Cancer In Vivo Molecular Targets
- 2010 - 2013** Bioactivity-guided fractionation of Pluchea Indica (beluntas) extract by using RIN5f pancreatic β -cell line
- 2007 - 2010** Study on Antidiabetic Effect and the Possible Mechanism of Action of Pithecellobium Jiringa (Jering)
- 2006 - 2008** Nanoemulsion of Palm Olein for Drug Delivery

In Progress

- 2016 - Present** ??Glucosidase Inhibitor and Aroma from the Flesh of Salak (Salacca zalacca) Fruit, their Metabolic Demarcation and Antidiabetic Potential
- 2016 - Present** Incorporation of stingless bee honey into hydrogel as a potential wound healing promoter
- 2016 - Present** Influence of multiple reaction monitoring (MRM) on the separation of amlodipine and perindopril in pharmaceutical dosage form and plasma
- 2015 - Present** Addressing Formulation Issues of Syariah Compliant Generic Sustained Release Antidiabetic Solid Dosage Form

PUBLICATIONS

Article

- 2019** [GC-MS analysis of metabolites from soxhlet extraction, ultrasound-assisted extraction and supercritical fluid extraction of Salacca zalacca flesh and its alpha-glucosidase inhibitory activity.](#) Natural Product Research
- 2019** [In vitro evaluation of the effect of Pluchea indica extracts in promoting glucose consumption activity on a liver cell line.](#) Makara Journal of Health Research , 23 (1) pp.48-52
- 2018** [Preliminary study on the formulation of syariah compliant generic sustained release gliclazide tablet using xanthan gum.](#) International Medical journal Malaysia (IMJM) , 17 (Special Issue 2) pp.1-4
- 2017** [Upregulation of kappa opioid receptor system and its association with relapse to morphine/methamphetamine \(poly-drug\) addiction.](#) Research Journal of Pharmacy and Technology , 10 (12) pp.4488-4550
- 2017** [Distinct role of kappa opioid receptor in attenuating relapse to morphine/methamphetamine \(polydrug\) dependence.](#) British Journal of Pharmacy , 2 (2) pp.S21-22S
- 2017** [The evaluation of physicochemical and anti-microbial properties of honey based hydrogel.](#) Malaysian Journal of Pharmacy , 3 (1 (Supplement)) pp.25-25
- 2017** [Stingless bee honey, the natural wound healer: a review.](#) Skin Pharmacology and Physiology , 30 pp.66-75
- 2016** [Reliability of graphite furnace atomic absorption spectrometry as alternative method for trace analysis of arsenic in natural medicinal products.](#) Tropical Journal of Pharmaceutical Research , 15 (9) pp.1967-1972
- 2016** [Comparative study of three digestion methods for elemental analysis in traditional medicine products using atomic absorption spectrometry.](#) Journal of Analytical Science and Technology , 7 (6) pp.1-7
- 2015** [Development of generic gliclazide 60 mg modified release tablets using central composite design.](#) Latin American Journal of Pharmacy , 34 (8) pp.1516-1525

- 2014 [Novel insight into the structural requirements of P70S6K inhibition using group-based quantitative structure activity relationship \(QSAR\) \(QSAR\).](#) Journal of Applied Pharmaceutical Science , 4 (6) pp.16-24
- 2014 [Evaluating the potential of buprenorphine to reduce relapse to morphine/methamphetamine addiction.](#) Malaysian Journal of Pharmacy , 1 (11) pp.199-199
- 2010 [Assessment on functionality and viability of \$\beta\$ cells following repetitive dosage administration of ethanolic extracts of andrographis paniculata on streptozotocin-induced diabetic rats..](#) International Medical Journal Malaysia , 9 (1) pp.21-26
- 2007 [HPLC profile and antihyperglycemic effect of ethanol extracts of Andrographis paniculata in normal and streptozotocin-induced diabetic rats.](#) Journal of Natural Medicines , 61 (4) pp.422-429
- 2005 [Antihyperglycaemic effects of ethanol extracts of andrographis paniculata on streptozotocin-induced diabetic rats.](#) Malaysian Journal of Science , 24 pp.155-159

Conference or Workshop Item

- 2019 [Anti-neoplastic potential of ethyl-p-methoxycinnamate of Kaempferia galanga on oral cancer cell lines.](#) In: **Conference on BioMedical and Advanced Materials (Bio-CAM 2017)**
- 2019 [Immunomodulatory effect of stingless bee honey on wound healing mechanism in LPS-activated RAW 264.7 cells.](#) In: **24th World Congress of Dermatology**
- 2018 [Low-dose methamphetamine addiction induced opioid receptor sensitization in polydrug-dependent mice.](#) In: **Regional Conference on Science Technology & Social Sciences (RCSTSS2016)**
- 2017 [Incorporation of natural wound healer \(honey\) into hydrogel.](#) In: **The JSPS-NRCT Follow-Up Seminar 2017 and 33rd International Annual Meeting in Pharmaceutical Sciences (JSPS-NRCT 2017 and IAMPS33)**
- 2016 [Preliminary study on the formulation of syariah compliant generic sustained release gliclazide tablet using xanthan gum.](#) In: **2nd World Congress on Integration and Islamicisation: Focus on Medical and Healthcare Science (2WCII 2016)**
- 2016 [Screening of the factors for hydrogel synthesis using design-of-experiment.](#) In: **Pharma+BioAsia 2016 Conference**
- 2016 [Effect of process variables on the preparation of BSA loaded double-walled poly\(lactide-co-glycolide\) microspheres.](#) In: **International Conference on Industrial Pharmacy (2nd ICIP 2016)**
- 2015 [The pyrrolidine ring and its relation with the psychoactivity of mitragynine.](#) In: **International Conference on Natural Products 2015 (ICNP 2015)**
- 2015 [Priming dose of morphine/methamphetamine combination induced stereotyped behavior in morphine/methamphetamine-dependent mice.](#) In: **International Conference on Biomedical & Health Sciences Research (ICBHSR 2015)**
- 2014 [Development of Halal modified release gliclazide 60 mg tablets by central composite design and production by direct compression.](#) In: **1st International Conference on Industrial Pharmacy**

- 2014 [Pluchea indica extracts stimulates insulin secretion through enhancement of Irs2 and Glut2 genes expression in RIN-5F pancreatic \$\beta\$ -cells](#) . In: **(ICNSE) International Congress on Natural Sciences and Engineering and (ICCBES) International Congress on Chemical, Biological and Environmental Sciences**
- 2013 [Effect of Pluchea Indica on glucose consumption of Chang liver cells](#). In: **27th Scientific Meeting of Malaysian Society of Pharmacology and Physiology (MSPP2013)**
- 2012 [The effect of Pluchea Indica \(L\) \(Beluntas\) extracts on the insulin release of RIN5F cell line.](#) In: **26th Scientific Meeting of Malaysian Society of Pharmacology & Physiology**
- 2011 [A PRELIMINARY STUDY ON ANTIDIABETIC PROPERTY OF PLUCHEA INDICA \(L.\) \(BELUNTAS\): THE EFFECT OF P. INDICA EXTRACTS ON THE 3T3-L1 ADIPOCYTE CELLS.](#) In: **Malaysian Society of Pharmacology and Physiology**
- 2010 [The inhibition of glucose absorption of seed and pericarp extracts of Pithecellobium jiringa on intestinal tissues preparation and their phytochemical profiles.](#) In: **Malaysian Society of Pharmacology and Physiology**
- 2010 [Palm olein-in-water emulsions stabilised by Span and Tween surfactants as potential vehicles for drug delivery.](#) In: **Seminar on research findings 2009**

Book

Book Section

- 2011 [Research and development on antidiabetic herbs : Malaysia perspective.](#) In: **Current Issues in Pharmacy** IIUM Press . ISBN 9789674180195 , pp.227-237
- 2010 [Palm olein-in-water emulsions stabilised by span and tween surfactants as potential vehicles for drug delivery.](#) In: **Proceedings of the Seminar on Research Findings 2009** IIUM Press . ISBN 9789670225012 , pp.587-595