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BSc (Universiti Kebangsaan Malaysia - 1991)  
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### Area of Expertise:

Biochemistry  
Molecular Biology

### Biodata:

Dr Farida Zuraina Mohd Yusof is a Malaysian academic, Professor in Biology and the Dean at the Faculty of Applied Sciences, Universiti Teknologi MARA, Shah Alam Malaysia. She earned her Bachelor's degree in Biochemistry in 1991 from Universiti Kebangsaan Malaysia. She then received her MSc in Molecular Biology in 1996 from Universiti Malaya. Later in 2000 she obtained her PhD in Medical Biotechnology from Ulster University, Northern Ireland of United Kingdom. To date, she has secured more than 40 research grants worth over RM2.14 million from the government and industries of which 17 as Project Leader and has published more than 120 papers in journals and proceedings as well as 7 books and two chapters in book.

Farida started her career as a lecturer at the Department of Biomedical Science, Faculty of Allied Health Sciences, Universiti Kebangsaan Malaysia in 1995. In 2004, she was appointed as Senior lecturer at the Faculty of Applied Sciences, Universiti Teknologi MARA. In 2010, she was promoted to Associate Professor and served as the Head of Biology Program in 2011. She was then appointed as Deputy Dean of Academic in 2016 and promoted to full professor in 2018. On January first in 2019 she was appointed as the Dean of the Faculty of Applied Sciences till present.

## Books and Chapters In Book

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## Industrial Research Funding Including Contract Research

1. Kajian Kimia Terhadap Produk Tekstil Sutera Tulen dan Sintetik. 2015 – 2017. RM55011. UiTM – JAKIM.
2. Effective Microbe for BioFertilizer – Chief Technical Officer Appointment. 2017-2022. RM500,000. UiTM – BELLUS TERRA Sdn Bhd (925048-D)
3. Preliminary Study of The Dielectric Answer to Evidence Effect of Ageing on a Cheese. 2020. RM9,600.00

## Research Projects:

### External Grants

Valorizing Local Agricultural Waste Into High-Value Biopolymer By Cellulase Producing, Pha Accumulating Bacteria, 2020.

Prediction and Detection of Mestrual Cycle Among Orang Utan at Orang Utan Island Bukit Merah Perak, 2020.

Genomic Charecterisation of Human Respiratory Pathogens (streptococcus Pneumoniae and Burkholderia Pseudomallei) Among Orang Utan at Orang Utan Islam Bukit Merah, 2020.

The Characterization Genotyping and Molecular Detection of Burkholderia Pseudomeller Among Orang Utan at Orang Utan Island Bukit Merah Perak, 2020.

Morphometric Sexing of The Near – Threatened Pycnonotidae (buff – Vented Bulbul, Scaly – breasted Bulbul and Streaked Bulbul) In Malaysia. 2019

Characterization of Mycosporine-like Amino Acids (MAAs), a Photoprotecting Compound against Ultraviolet B (UV-B) from Antarctic Cyanobacteria. The YPASM Research Grant 2017 under the YPASM Smart Partnership Initiative. 2017-2020 (Principal Investigator)

Targeting Potential Role of *Goniiothalamus lanceolatus* in Treatment of MDA-MB-231 and MCF-7 BREAST Cancer Cell Lines Via Tyrosine Kinase Inhibitor Pathway. (2015-2017) 600-RMI/FRGS 5/3 (93/2015) (Collaborator)

The Role of BPIFB1 in the SNAI1-EMT Pathway of Gastric Cancer. (2014-2016) 600-RMI/FRGS 5/3 (19/2014) (Collaborator)

Forensic and Paternity Parameters of Alu in Kelantan Malay and Jawa Malay Sub-ethnic Groups. (2014 – 2016) 600-RMI/RACE 16/6/2(2/2013) (Collaborator)

Phylogenetic Relationships of the *Orang Asli* in Taman Negara Based on Alu 8-Biallelic Markers. (2013 – 2015) 600-RMI/FRGS 5/3 (154/2013) (Principal Investigator)

Influence of Citalopram in Development Rates of Forensic Blowflies. (2013 – 2015) 600-RMI/FRGS 5/3 (63/2013) (Collaborator)

Male Mice Reproductive Performance Following *Cosmos caudatus* Consumption. (2013 – 2015) 600-RMI/FRGS 5/3 (64/2013) (Collaborator)

Acute Toxicity and Gene Expression Changes of Selected OP Towards Butyrylcholinesterase in *Channa striata*. (2013 – 2015) 600-RMI/RAGS 5/3 (12/2013) (Collaborator)

Reno-And Hepatoprotective Properties of *Morinda citrifolia* In Ameliorating Coccidiosis-Induced Mice. (2013 – 2015) 600-RMI/RAGS 5/3 (9/2013) (Collaborator)

An Extension Study OnTracing Human Origin Among *Orang Asli* Population In Taman Negara Through Y Chromosome Variation. (2013 – 2016) 600-RMI/FRGS TD 5/3 (1/2013) (Principal Investigator)

Genetic Variation Among Six Malay Subethnic Groups: Inferences From 8 Alu Insertion Polymorphisms. (2013 – 2014) 02-01-01-SF0639 (Collaborator)

Integral Polytopic Proteome of Surface-Attached *Pseudomonas aeruginosa* Biofilm (2012 – 2014) 600-RMI/RAGS 5/3 (11/2012) (Collaborator)

ZW Sex Determination System of Birds in Taman Negara Johor. (2012 – 2015) 600-RMI/ERGS 5/3 (6/2012) (Principal investigator)

Forensic Characterisation of Latin Handwriting in English Language. (2012 – 2014) 600-RMI/ERGS 5/3 (15/2012) (Collaborator)

Bacteriophages As Biocontrol For Papaya Dieback Diseases (2009 – 2012) 06-01-01-SF0296 (Collaborator)

Effects Of Cold Shock Protein Expression on The Spermatozoa of *Bos javanicus* (2010 – 2012) 600-RMI/ST/FRGS 5/3/FST (50/2010) (Collaborator)

Allele Frequencies of mtDNA SNPs in Random Malay, Chinese and Indian Population of Malaysia (2010 – 2012) 600-RMI/ST/FRGS 5/3/FST (11/2010) (Principle investigator)

Tracing Human Origin Among *Orang Asli* Population In Taman Negara Through Y Chromosome Variation (MoE) (2009 – 2011) 600-RMI/ST/FRGS 5/3/FST (24/2009) (Principle investigator)

Antiglycemic Affect of *Ficus deltoidea* on Glucose & Glycogen Metabolisme In the Liver of Normal And Streptozotocin-Induced Diabetic Rats (2007 – 2008) 600-IRDC/ST/FRGS.5/3/1246 (Collaborator)

Development of High Quality Cryopreserved Sperm for Assisted Reproductive Technology : An Animal Model. (2007 – 2010) (Collaborator)

Human Mammaglobin Clinical Value (hMAM) for Breast Cancer Patient. (2007 – 2008) (Collaborator)

Use of Maggot in Determining Poison Level and Cause of Death in Suspected Poisoning or Suicide Cases using New Zealand White rabbits as Models (2006 – 2008) (Collaborator)

Determination Time of Death Based on Ante mortem and Postmortem Characteristics (2002 – 2005) (Collaborator)

### **Internal Grants**

Cytotoxicity Determination of *Goniothalamus lanceolatus* Extract on Highly Metastatic MDA-MB-231 Breast Cancer Cell Line. (2016-2018) 600-IRMI/GIP 5/3 (0063/2016) (Principal Investigator)

Phylogenetic Relationship of Barnacles (Family: Balanidae) of The Selangor Coast, Malaysia. (2016-2018) 600-IRMI/MYRA 5/3/LESTARI (0119/2016) (Collaborator)

Probiotics as Antagonist Against *Porphyromonas gingivalis*. (2015-2016) 600-RMI/DANA 5/3/PSF (15/2015)

Human Genetics and Biochemistry (HuGeB) – RIG Grant. (2014-2016) 600-RMI/DANA 5/3/REI (5/2014) (Principal Investigator)

Ecological and Genetical Studies of Endangered Tree Species from Dipterocarpaceae. (2012-2014) 600-RMI/DANA 5/3/RIF (444/2012) (Collaborator)

YAP Insertion Signature In Malay Sub Ethnic Groups. (2012 – 2014) 600-RMI/DANA 5/3/RIF (393/2012) (Collaborator)

Screening and Isolation of Lypolytic, Amylolytic and Cellulolytic Thermophiles from Local Hot Spring (2012 – 2014) 600-RMI/DANA 5/3/RIF (228/2012) (Collaborator)

Synthesis, Characterization and Biological Studies of Different Substituents Group in Thiourea Complexes (2012 – 2014) 600-RMI/DANA 5/3/RIF (147/2012) (Collaborator)

Effects of Selected Organophosphorus on Activity and Gene Expression of Acetylcholinesterase in Tilapia, *Oreochromis niloticus* (2012 – 2014) 600-RMI/DANA 5/3/RIF (65/2012) (Collaborator)

Effects of Different Thawing Temperature and Time on the Viability of Cryopreserved Bovine Spermatozoa. (2011 – 2012) (600-RMI/ST/DANA 5/3/Dst (159/2011) (Principal Investigator)



Allele Frequencies of mtDNA SNPs in Random Malay, Chinese and Indian Population of Malaysia (2010-2012) 600-IRDC/ST/DANA 5/3/Dst(35/2009) (Principle investigator)

Pattern of Alu Insertion Polymorphism in Malaysia Major Ethnic Groups. (2010 – 2011) 600-RMI/ST/DANA 5/3/DST (148/2009) (Collaborator)

The Effects of Various Temperatures of Post-Cryopreservation Method on The Quality of Bull Sperm (2009 – 2011) 600-IRDC/ST/DANA 5/3/Dst(35/2009) (Principle investigator)

Biochemical Studies on Organophosphates Resistance in House Fly, *Musca domestica* (2009 – 2011) 600-RMI/ST/DANA 5/3/DST (163/2009) (Collaborator)

Involvement of Signal Transduction Mechanism in Thermooxidized Red Palm Oil-Induced Rats (2009 – 2011) 600-RMI/ST/DANA 5/3/DST (215/2009) (Collaborator)

Hydroxamic Acid Series And Their Metal Complexes: Synthesis, Characterization and Toxicity (2008 – 2009) 600-IRDC/ST/DANA 5/3/DST (60/2008) (Collaborator)

Identification of *Ficus deltoidea* Species Using Molecular Technique And Cytological Studies (2008 – 2009) 600-IRDC/ST/DANA 5/3/DST (35/2008) (Collaborator)

Development of Human's Eye Shape Polymorphism by Polymerase Chain Reaction (PCR) (2005 – 2006) 600-IRDC/ST 5/3/951 (Principle Investigator)

Differentiation of Races Based on Skin Colour Among FSKB Students by PCR (2004 – 2005) (Collaborator)

Development of RT-PCR Method for the Identification of Enteropathogenic *Salmonella* species (2002 - 2003) (Principal Investigator)

Haemodialysis and Survivability According to Age, Race and Gender (2001 – 2002) (Collaborator)

Isolation of *Salmonella typhi* from Several Contaminated Food Stalls near Chow Kit & UKM Campus (1999 - 2000) (Principal Investigator)

## Research Students:

### PhD (Completed)

1. Liliwirianis Binti Nawi – Ecological Characteristics Of Freshwater Swamp Forest, Perak Tengah, Malaysia. (Main SV 2021)
2. Sofia Sakina Mohd Yussup – Phylogenetic Tree Development of *Orang Asli* Population in Taman Negara Through Y-Chromosome Variation. (Main SV 2016)
3. Wan Nurhayati Wan Hanafi – Illumina-based SNP Genotyping for *Elaeis oleifera* Germplasm Evaluation. (Main SV 2017)
4. Nurul Ain Binti Khoruddin – Genomics Of The Orang Asli And Malays: Functional Modelling Of The Pathogenic Snps For Cancers And Risk Prediction For Eating Behaviours, Nutrient Deficiencies And Metabolic Disorders. (Co-SV 2023)

### MSc (Completed)

5. Hapsah bt Mohd Dusa – Knowledge, attitude and practice of breast-feeding exclusively among mothers visiting Seremban Health Clinic for ante-natal check-up. (2004)
6. Nur Azimah Osman – Development of human mammaglobin (hMAM) marker polymorphism in primary and metastatic paraffinized breast cancer tissue. (2008)
7. Wan Nurhayati bt Wan Hanafi – Separation of Human DNA and Maggot DNA From Postmortem Tissue. (2008)
8. Nurdiana Samsulrizal – Antidiabetic Effect of *Ficus deltoidea* on Glucose and Glycogen Metabolism in the Liver of Normal and Streptozotocin-Induced Diabetic Rats. (2008)
9. Nor Aishah bt Hj Abdullah – Screening of Microorganisms for Bioremediation of Petroleum Hydrocarbon in Soil. (2010)
10. Seri Mirianti Binti Mishar – Allele Frequencies of MtDNA SNPs in Random Malay, Chinese and Indian Population of Malaysia. (2011)
11. Nur Hilwani Binti Ismail – Effects of Cold Shock Protein Expression on The Spermatozoa of *Bos javanicus*. (2011)
12. Syarifah Faezah Syed Mohamed – Heat Shock Protein Expression in Bull Sperm. (2011)
13. Siti Hajar Noor Alshuridin – Analysis of Y-Chromosomal Short Tandem Repeat

- (Y-STR) Polymorphisms Among Orang Asli Population in Taman Negara and Jerantut of Pahang. (2013)
14. Nor Azila Bt Md Ludin – Intracellular Calcium Release During In Vitro Mammalian Embryonic Development in the Presence of *Kalanchoe pinnata* extract. (2014)
  15. Florinsiah Binti Lorin – Genotoxic Evaluation *In Vitro* of Three Selected *Hydrocotyle* Plant Herbs Extracts. (2015)
  16. Suziana Zaila Bt Che Fauzi – Apoptosis in Rat Embryo cells via modulation of BCL-2 by *Lignosus rhinocerus* (Cendawan susu harimau) extract. (2015)
  17. Norfazlina Bt Mohd Nawī – Cytotoxicity effects of *Nigella sativa* extracts to MCF-7 cell lines and its mode of action measurement through caspase-3 and caspase-8 expression. (2015)
  18. Khairunnisa Bt Hassan – Determination of Suspected Non Halal Products by Using Mitochondrial 12S rRNA and Leptin Gene. (2016)
  19. Muhd Shah Jehan Bin Abd Razak – Phylogenetic Study of Malaysia Sub-ethnic Groups in Malaysia as Inferred from Y-chromosomal *Alu* Insertion Polymorphism. (2016)
  20. Jessey Angat – ZW Determination of Birds In Taman Negara Johor. (2016)
  21. Muhamad Arif Bin Mohamad Jamali – Molecular Phylogeny of Social Vespid Wasps Inferred From DNA Sequence Data of 28S, 16S and CO1 Genes. (2016)
  22. Nurulfarhana Bte Zulkifli – A Forensic Study on Human Earlobe. (2016)
  23. Atiqah Bt Ab Aziz – Antioxidant & Anti-Cancer Activity Of *Pseuduvaria macrophylla* (2016)
  24. Marlia Marzukhi – Analysis Of Y-STR Polymorphism Among Temiar Sub-Tribe Of *Orang Asli* In Kelantan (2016)
  25. Nur Syamimi Mohamad Napis – Determination of Cryopreserved Barrio Rice Genetic Stability by Using IRAP. (2017)
  26. Nur Shahirah Binti Nasir – Study on Genotoxicity of Selected Medicinal Mushroom Extract Used in Traditional Medicine by Comet Assay. (2017)
  27. Aisyah Binti Mohd Ismail – Phylogenetic Relationships of The Orang Asli In Taman Negara Based On Apo8 Bi-Allelic Markers. (2017)
  28. Nurul Syafika Binti Muslimin – Forensic Parameter And Paternity Testing of TPA-25 Elements In Kelantan-Malay And Jawa-Malay. (2017)
  29. Siti Aisyah Binti Shamsuddin – Pharmacokinetic Study of Ketum in Biological

and Entomological Samples (2018)

30. Asysyuura Adytia Binti Patar – Effects Of Selected Organophosphates On Activity And Gene Expression Of Acetylcholinesterase In Climbing Perch *Anabas testudineus* (2018)
31. Farhana Binti Mohd Izam Suhaimi – Detection Of Lipase Gene From A Local Soil Bacteria Isolated From Domestic Waste Sites (2018)
32. Anis Mardhiyah Mazlan – Antagonistic Activities Of Lactobacillus Isolated From Fermented Food And Drink Products On *Porphyromonas* (2019)
33. Azzura Abdullah – Phylogenetic Tree Of Six Malay Sub Ethnic Groups In Peninsular Malaysia As Inferred From Autosomal *Alu* Insertion Polymorphism (2019)
34. Zulkifli Hamzah – FEEDING AND BEHAVIOURAL STUDIES OF COMMON CLOWNFISH, *Amphiprion Ocellaris* AND TOMATO CLOWNFISH, *Amphiprion Frenatus* (2019)
35. Nurul Nasuha Roseman – Phylogenetic Relationship Of Barnacles (FAM: Balanidae) Sampled On Artificial Substrata Of Kuala Selangor & Morib (2019)
36. Nasibah Binti Razali. 2014195253. Targeting Potential Role Of *Goniothalamus lanceolatus* in Treatment Of MCF-7 Breast Cancer Cell Lines Via Tyrosine Kinase Inhibitors Pathway (2021)
37. Norzuliana Zainal Abidin Sesi 1 2017/2018. Whole Genome Sequencing Analysis of Clinical Multi Drug Resistant Tuberculosis (MDR-TB) (2020)

#### **MSc (Present)**

1. Muhammad Faris Fauzi Ismail Sesi 2 2017/2018. Understanding The Relationship of Gut And Oral Microbiota With Cognitive and Behavioral Stress Responses Among University Students,.
2. Muhammad Faiq Najmi tajudin Sesi 2 2018/2019. Gene Expression Analysis Of Chronically Stressed *Danio Rerio* Treated With *Moringa Oleifera* Leaves Extract,.

#### **PhD (Present)**

1. Aisyah Binti Mohd Ismail. 2017285852. Genetic Diversity and Phylogenetic Relationships of Date Palm (*Phoenix dactylifera* L.) in the Perak Region of Malaysia using RAPD Markers.
2. Nurul Syafika Binti Muslimin. 2017277928. Planar Rot and Postharvest

Disease of *Annona muricata* (Soursop) against *Trichoderma harzianum*.

3. Jessey Angat. 2017843478. Morphometric Analysis of Molecularly Sexed Captive Near-threatened Bird Species in Malaysia.
4. Rafidah Rasol. 2018467386. UV-Photoprotective Ability of Mycosporine-like Amino Acids (MAAs) from Polar and Tropical Cyanobacteria.
5. Ernie Eileen Rizlan Ross. 2019644256. Bacterial PHA Polymer Production and Its Potential Use as Polymer Electrolyte.
6. Nuramira Binti Nozmi. 2019937479. Menstrual Cycle Determination Via Fecal Reproductive Hormone Among Captive Bornean Orangutans (*Pongo pygmaeus*) and Its Correlation With Behavioral & Environmental Factors At BMOUI, Perak, Malaysia.
7. Nurul Iman Binti Mohamad. 2019751501. The Characterization, Genotyping and Molecular Detection of *Burkholderia pseudomallei* Among Orang Utan at Orang Utan Island Bukit Merah (BMOUI) Perak.

#### Editorial Activities:

1. Panel for Citra Pendeta Award 2000 – DBP  
Book entitled Mycotoxin – Its Implication on Human and Animals Health by Prof. Baharuddin Salleh.
2. Editor for Asia-Pac J Public Health Manuscript #02-019  
“The level of serum transferase, y-glutamyltranspeptidase, lactate dehydrogenase and non-protein nitrogen in screening of Nepalese living in the southern agricultural Terai region”.
3. Editor for Malaysian Journal of Health Manuscript  
“Study of the *in vitro* cytotoxic activity of *Gelsemium elegans* using human ovarian and breast cancer cell lines”.
4. Internal Examiner – Masters of Health Science Dissertation (Health Education)  
Candidate: Giritharan a/l Krishnasamy (P26013)  
“Intervention Program for Gout Patient in Kulim Hospital, Kedah”.
5. Judges Panel for Postgraduates Seminar  
On the 5<sup>th</sup> of May, 2005 at Lecture Hall B, FSG, UiTM Shah Alam.
6. Internal Examiner – Masters of Science Thesis
  - Candidate: Aziyah Abd Aziz (2003200542)
  - Faculty of Applied Sciences
  - UiTM November 2006

- Title: "Inducible tolerance to acid and oxidative stresses and cross-protection responses in *Shigella sonnei* and *Shigella flexneri*
7. UPENA Manuscript Editor & Evaluator
    - AS Biology Molecules and Cells
    - 31 Mei 2006
  8. UPENA Manuscript Editor & Evaluator
    - Introduction to Biology
    - 13 Mac 2007
  9. UPENA Manuscript Editor & Evaluator
    - A Level Biology Practical Manual
    - 12 April 2007
  10. Evaluator for UiTM Academic Excellence Fund Project Phase 03/2008 at Sri Bistari Hall, Intekma Resort & Convention Centre, UiTM Malaysia on 21st October 2008.
  11. Reviewer for Sains Malaysiana Journal . No. Manuskrip: 2010/03/03(60) : "Kajian Interaksi *Gal Quercus Infectoria* dengan Vankomisin Terhadap *Staphylococcus aureus* yang Kurang Kerentanan Terhadap Vankomisin".
  12. Judges Panel, "Postgraduate Day 2010" Poster Competition Program.
  13. Interview Panel of IPTA Academic Staff Special Scholarship (BKTA), Ministry of Higher Education. Scholarship Division, Putrajaya. 26 Ogos 2011.
  14. Evaluator for ERGS Research Grant Proposal, Grand BlueWave Hotel Shah Alam, 15 Mac 2011.
  15. Evaluator, Supervisor and Mentor for UiTM new staff –
    - a. Wan Nurhayati Wan Hanafi
    - b. Wan Rozianoor Mohd Hassan
    - c. Siti Khairiyah Mohd Hatta
    - d. Norashirene Mohd Jamil
    - e. Suriana Rofie @ Rafie
    - f. Nur Hilwani Ismail
  16. Reviewer for Jurnal of Bioentrepreneurship. Universiti Malaysia Kelantan. UMK/A03/100-14 (42) JLD 2.
  17. Panel for Defense of Research Proposal AS780. 30 November 2011.
  18. External Evaluator for Academic Promotion of Fakulti Sains Kesihatan UKM staff:
    - Dr Khairol B Osman. 14 Mei 2009.
    - Dr Norfadilah Bt Rejab. 14 Mei 2009.
    - Dr Dayang Fredalina Basri. 15 Jun 2012.
    - Prof Madya Dr Badrul Munir Md Zin. 15 Nov 2018
    - Prof Madya Dr Khairol B Osman. 17 April 2019
  19. Reviewer Manuscript Paper ID: ASB016-0118. Journal of Academia. Title:

- Investigation of Keratinase Activity by Thermo-alkalophilic *Nocardioopsis* sp. SD6 Isolated from Feather Waste Soil. 20 Julai 2012.
20. Peer Reviewer Manuscript Number: #MOLE-5297. Molecular Biology Reports. Title: The Molecular Phylogenetic Signature of Bali Cattle Revealed by COI DNA Sequences. August 10, 2012.
  21. Review for TESSHI 2012. Title: Evaluation Of Phenolic Contents And Antioxidant Properties Of Bitter Gourd Extract (*Momordica Charantia* L.) At Different Maturity Stages". 4 October 2012.
  22. Internal Examiner for UiTM MSc candidate:
    - Candidate: Noor Marian Muda (2009725787)
    - Faculty of Applied Sciences
    - November 2012
    - Title: "Detection and characterization of *Listeria monocytogenes* isolated from foods".
  23. Evaluator for Chapters in Book – "Bioteknologi"  
[UTM.J.09.14.01/18.11/1 JLD 1 (20)] 18 June 2013.
  24. Evaluation Panel for Research Proposal at UiTM level. 1 January 2013 – 31 December 2016.
  25. Interview Panel for MyBrainSc Scholarship Program. Ministry of Education. Scholarship Division, Putrajaya. 5 July 2013.
  26. Chairperson for MSc Viva Voce session. Institute for Postgraduates Studies. Intekma Resort Convention Centre, UiTM 24 October 2013  
AS780 candidate: Sayyidah Nafisah Binti Hashim (2012824472)
  27. Internal Examiner UiTM MSc candidate:
    - Candidate: Nor Intan Hasbullah (2010804432)
    - Faculty of Applied Sciences
    - November 2013
    - Title "Toxic Effects of Magnesium Oxide Nanoparticles on Human Neuronal Cell Lines and Bacteria"
  28. Reviewer for Journal of Academia – ASB016-0118. "Investigation of Keratinase Activity by Thermo-alkalophilic *Nocardioopsis* sp. SD6 Isolated from Feather Waste Soil. 20<sup>th</sup> July 2012.
  29. Reviewer for Journal of Academia. "Preliminary Study of Heavy Metals Pollution in Freshwater Fishes of Sg. Simpang Empat, Penang. 31<sup>st</sup> October, 2013.
  30. Reviewer for International Food Research Journal – IFRJ-2014-303. "Physicochemical properties of mud clam (*Polymesoda erosa*) hydrolysates obtained using different microbial enzymes". 29<sup>th</sup> April 2014.
  31. Internal Examiner UiTM MSc candidate:
    - Candidate: Nor Dalilah Rosni (2007144447)
    - Faculty of Applied Sciences
    - December 2014

- Title: "Neuroprotection, HMGR Inhibition and Antimicrobial Properties of Palm Puree".
32. Internal Examiner UiTM MSc candidate:
- Candidate: Nor Hazlin Jusoh (2010809458)
  - Faculty of Medicine
  - January 2015
  - Title: "Gene Expression of Biopsied Pre-Implantation Murine Embryos"
33. Internal Examiner for UiTM MSc candidate:
- Candidate: Nordalilah Binti Rosli (2007144447)
  - Faculty of Applied Sciences
  - March 2015
  - Title: "Neuro Protection, HMGR Inhibition and Antimicrobial Properties of Palm Puree".
34. Internal Examiner for UiTM MSc candidate:
- Candidate: Farah Amna Binti Othman (2010597035)
  - Faculty of Applied Sciences
  - April 2015
  - Title: "Toxicity Effects of *Cosmos caudatus*, *Periskia bleo* and *Averrhoa bilimbi* on Sprague Dawley Rats".
35. Internal Examiner UiTM MSc candidate:
- Candidate: Ellia Kartini Binti Mujar (2011457246)
  - Faculty of Applied Sciences
  - May 2015
  - Title: "Gamma Radiation and Methyl Jasmonate Effects on Regeneration and Chemical Constituent of *Vanilla planifolia* Cultures".
36. Internal Examiner for UiTM MSc candidate:
- Candidate: Nurafifah Binti Daud (2011232882)
  - Faculty of Applied Sciences
  - September 2015
  - Title: "The Acute Toxicity of *Averrhoa bilimbi* Linn. Leaves and Fruits Ethanolic Extracts and Their Antidiabetic and Anticoagulant Activities".
37. Internal Examiner for UiTM MSc candidate:
- Candidate: Mohd Helmy Bin Yusof (2012650436)
  - Faculty of Medicine
  - November 2015
  - Title: "Development of B-Lymphoblastoid Cell Line from Peripheral Blood Mononuclear Cell and the Characterisation of FCGR3B Copy Number Variation in Negritos and Malays".
38. Internal Examiner for UiTM MSc candidate:
- Candidate: Mohd Azham Yahya (2010420058)
  - Faculty of Applied Sciences
  - March 2016
  - Title: "The Distribution and Abundance of Freshwater Fishes of the Keniam River,



Taman Negara Pahang”.

39. Internal Examiner for UiTM MSc candidate:
  - Candidate: Yusmarini Yusoff (2010234804)
  - Faculty of Applied Sciences
  - October 2016
  - Title: “Effect of Formalin Treatment on the Presence of Ectoparasites and Survival of Asian Seabass (*Lates calcarifer*) Fingerlings”.
  
40. Internal Examiner for UiTM MSc candidate:
  - Candidate: Nur Fatin Aman Binti Mohd Razlan Mahandran (2011821804)
  - Faculty of Applied Sciences
  - December 2016
  - Title: “Screening and Characterization of Endogenous Betaretrovirus in Small Mammals”.
  
41. Internal Examiner for UiTM MSc candidate:
  - Candidate: Nurul ‘Amirah Binti Aziz (2015463584)
  - Faculty of Applied Sciences
  - December 2016
  - Title: “Antimicrobial and Antioxidant Activities of Selected Underutilized Fruits in Malaysia”.
  
42. Internal Examiner for UiTM MSc candidate:
  - Candidate: Nor Syafinaz Binti Shamsuddin (2011851354)
  - Faculty of Applied Sciences
  - May 2017
  - Title: “The Potential Use of Palm Kernel Meal in the Pacific White Shrimp (*Penaeus vannamei*) Feed”.
  
43. External Examiner for USM MSc candidate:
  - Candidate: Nur Azeelah Abdullah [S-SKM0012/08(R)]
  - School of Health Sciences, Health Campus
  - September 2017
  - Title: “Genetic Variations of Six Orang Asli Sub-Groups In Peninsular Malaysia Using Autosomal and X-Chromosome Short Tandem Repeats (STRs) Analysis”
  
44. Reviewer for Jurnal Intelek (ISSN 1675-9885). “Water Stability of Palm Kernel-Based Feeds for Shrimp”. 19<sup>th</sup> October, 2016.
  
45. Reviewer for International Food Research Journal – IFRJ16456.R2. “Flavour Improvement of Mud Clam (*Polymesoda erosa*) Hydrolysate by Using Maillard Reaction”. 8<sup>th</sup> February 2017.
  
46. Reviewer for Journal of Tropical Agricultural Science – JTAS-0847-2016.R1 “Faecal DNA Demonstrates the Link Between the Long-tailed Macaque and the Dung Beetle *Paragymnopleurus maurus* (Coleoptera: Scarabaeidae)”. 15<sup>th</sup> March 2017.
  
47. Panelist for Human Life Advancement Foundation (HLAF) Scholarships Interview. Suite 1B, Level 5, Menara Dato’ Onn, PWTC, Kuala Lumpur. 7<sup>th</sup> – 8<sup>th</sup> September

2017.

48. Reviewer for PERTANIKA – Journal of Tropical Agricultural Science (JTAS) – Manuscript ID JTAS-1111-2017. "Chemical Compounds of Malaysian *Trigona thoracica* Propolis". 4<sup>th</sup> October 2017.

### Service To The University/Community

1. **Dean** – Faculty of Applied Sciences. 01/01/2019 – current.
2. **Deputy Dean (Academic Affairs)** – Faculty of Applied Sciences. 16/05/2016 – 31/12/2018.
3. **Chairperson**, the Student Disciplinary Committee, Faculty of Applied Science. October 1, 2013 – 30<sup>th</sup> September 2015.
4. **Head** of Excellence Entity – Human Genetics & Biochemistry Research Group (HuGEB). 1 Dec 2013 – 30 November 2016.
5. **Academic Committee for Postgraduates Studies (JKAPS)** Faculty of Applied Science. 16 April 2014 – 31 January 2015.
6. **Acting Deputy Dean** for Academic Affairs FSG. 17 to 26 January 2013.
7. **Coordinator**, Biology Program, Faculty of Applied Science. 1 August 2011 – 31 July 2013.
8. Signing of **Memorandum of Understanding (MoU)** between UiTM and Embryology Academy for Research & Training (EART) Mumbai India, on February 11, 2012, led by Hon. Tan Sri Dato' Sri Prof. Ir. Dr Sahol Hamid Abu Bakar, Malaysia UiTM VC.
8. **Academic Board** FSG, March 1, 2011 to December 31, 2012.
9. **Committee**, Master of Science in Applied Biology, FSG, March 1, 2011 to February 28, 2012.
10. **Research Fellow**, Centre of Excellence for Biodiversity and Sustainable Development. 8<sup>th</sup> Floor, Block FSK 234, 42 300 UiTM Puncak Alam, Malaysia. 1 October 2011 – 30 September 2015.
11. **Head**, AS201 Biology Program, Faculty of Applied Science. 1 January 2011 – 31 July 2011.
12. **Chairman**, Preparation of Exam Questions, Faculty of Applied Science. January 1, 2010 – 31 Dec 2012.
13. **Head**, Appraiser Group (KPK) PTK Academic Staff UiTM, 13 – 16 December 2010.

2009.

15. **Coordinator**, FSG610 & FSG660, Final Year Student Projects Biology Program AS201. 1 Jan 2005 – 31 Dec 2010.
14. **Committee**, Examination Question Papers Auditors, Faculty of Applied Sciences, UiTM January 1, 2007 – 31 December 2008.
16. **Committee**, Launching Program of "Certificate in Planting Industry Management (CPIM)", 2008.
17. **Member**, Steering Committee Secretariat of "The International Plantation Industry Conference & Exhibition 2008 (IPiCEX2008)".
18. **Facilitator**, "Students Leadership Development Training", UiTM June 1, 2007 – 31 Dec, 2008".
19. **Committee**, "FSG Quality Procedures: Operating procedures Lecture LB (O) 7, 2007".
20. **Chief**, "Social Subcommittee". The 29th Symposium of Malaysian Society for Microbiology ": 24-26 November 2007 Primula Beach Resort, Kuala Terengganu".
21. **Committee**, "Fair Research, Science & Technology Exhibition 2007 (S & T 2007)". 1-2 August 2007 Hall Annex, UiTM Shah Alam.
22. **The Alternate Secretary** to the Dean, "Establishment of the Council of the International Institute of Plantation Management (IIPM), UiTM-MAP (2005 – 2007).
23. **Chairman**, Subcommittee Slideshow (PPT) for Faculty of Applied Science Open Days.
24. **Chairman**, Subcommittee on Venue, Registration and Gala Dinner for "The 1st International Plantation Industry Conference and Exhibition 2006 (IPiCEX2006)" at Shangri-La Hotel, Kuala Lumpur.
25. **Evaluator** Technical Papers Conference "Young Researchers Conference on Applied Sciences (CAS 2006) Graduate, FSG, UiTM Shah Alam.
26. **Chairman**, FSG Seminar Committee from 2005-2006.
27. **Chairman**, Sub-Committee on Conferences and Seminars, Corporate Special Books FSG 50 Years UiTM Ranked Faculty from 2005-2006.

## Awards:

1. Excellent Lecturer Award 2001
2. Excellent Services Award 2001
3. Excellent Services Award 2003
4. Excellent Services Award 2005
5. Excellent Services Award 2007
6. Excellent Services Award 2016
7. Excellent Services Award 2021
8. Merit Award for Best Poster Presentation at Malaysian Applied Biology Symposium, Mines Beach Resort & Spa, Seri Kembangan, 3-4 June, 2003.
9. Best Poster Presentation at The 9<sup>th</sup> Symposium of The Malaysian Society of Applied Biology at Bayview Hotel Georgetown, Penang on 30<sup>th</sup>-31<sup>st</sup> May, 2007.
10. BEST FRGS2009 GRANT – NATURAL SCIENCES AND NATIONAL HERITAGE CLUSTER. Ministry for Higher Learning. 2<sup>nd</sup> January 2013.
11. BRONZE – Invention, Innovation & Design IID 2009 (DSB & Annexe, UiTM SHAH ALAM)  
Nurdiana, S., Harita, H. and **Farida Zuraina, M.Y.** Antidiabetic Effect of *Ficus deltoidea* Leaves on Glycolytic Enzymes in Liver of Normal and Streptozotocin-Induced Diabetic Rats. 13-15 Januari 2009.
12. BRONZE – Invention, Innovation & Design Competition (IID JOHOR 2013)  
Nur Hilwani Ismail, **Farida Zuraina Mohd Yusof**, Khairul Osman, Siti Fatimah Ibrahim, Wan Nurhayati Wan Hanafi. Improvement of Fertility Parameters in Cryopreserved Spermatozoa. 19 September 2013.
13. BRONZE – International Invention, Innovation & Research Design Platform (IP 2013)  
Wan Nurhayati Wan Hanafi, **Farida Zuraina Mohd Yusof**, Khairul Osman, Tan Soon Guan. Potential of *Alu* Element as Genetic Marker in Malaysian Population. 4-5 December 2013.
14. SILVER – International Invention, Innovation & Research Design Platform (IP 2013)  
Muhd. Shah Jehan Abd Razak, Azzura Abdullah, Wan Nurhayati Wan Hanafi, **Farida Zuraina Mohd Yusof**, Khairul Osman, Tan Soon Guan. YAP as Potential Genetic Marker in Tracing Malaysian Male Population. 4-5 December 2013.
15. SILVER – **SPECIAL JURY AWARDS In conjunction with the 2014 Industrial Relations & Alumni Industry Excellence Awards** (AKPIM 2014).

**Farida Zuraina M. Yusof**, Sofia Sakina Mohd Yussup & Badrul Munir Md Zin. Phylogenetic Tree Development and Haplotype Profiling of *Orang Asli* in Peninsular Malaysia Using Y-STR. 20-21 Oktober 2014.

16. SILVER – Invention, Innovation & Design Exposition (IIDEX 2014)  
Norashirene Mohamad Jamil, Muhamad Arif Bin Mohamad Jamali, **Farida Zuraina Mohd Yusof**, Salmah Yaakop, Siti Khairiyah Mohd Hatta. Molecular Phylogeny of Social Vespidae Wasps Inferred from Data Sequence of CO1 Gene. 27-30 April 2014.
17. BRONZE – Invention, Innovation & Design Exposition (IIDEX 2015)  
Wan Nurhayati Wan Hanafi, Azzura Abdullah, **Farida Zuraina Mohd Yusof**, Khairul Osman, Tan Son Guan. DNA Profiling of Alu8 in Malay Subethnics Groups. 27-30 April 2015.
18. SILVER – Invention, Innovation & Design Exhibition (IIDEX 2016)  
Nur Hilwani Ismail, Siti Aisyah Osman, Nasibah Razali, Normala Abd Latip, **Farida Zuraina Mohd Yusof**. *Goniothalamus lanceolatus* as Novel Chemopreventive Agent in Invasive Breast Cancer Treatment. 20-23 September 2016.
19. The Award of the Most Active Grant Evaluator. Science & Technology Category (SILVER). **Prof. Madya Dr. Farida Zuraina Mohd Yusof**. Research Summit Day (RSD 2017). 18<sup>th</sup> January 2017. DATC UiTM Shah Alam.
20. BRONZE – National E-Content Development Competition 2018 (eCONDeV). Rafidah Rasol, **Prof. Madya Dr Farida Zuraina Mohd Yusof**. Dewan Seri Budiman, UiTM Shah Alam, Selangor. 28<sup>th</sup> August 2018.