

CURRICULUM VITAE



A. BUTIR-BUTIR PERIBADI (<i>Personal Details</i>)				
Nama Penuh (<i>Full Name</i>)	MOHD SABRI PAK DEK			Gelaran (<i>Title</i>): DR
No. MyKad / No. Pasport (<i>Mykad No. / Passport No.</i>):	Warganegara (<i>Citizenship</i>): Malaysia	Bangsa (<i>Race</i>): Malay	Jantina (<i>Gender</i>): Male	
Jawatan (<i>Designation</i>): Senior Lecturer	Tarikh Lahir (<i>Date of Birth</i>): May 1983	Scopus H-index (April 2026) :21	Total Citation (April 2026): 1076	
Jabatan/Fakulti (<i>Department/Faculty</i>) Department of Food Science, Faculty of Food Science and Technology, UPM Serdang, 43400 Serdang, Selangor	E-mel dan telefon(<i>E-mail Address and phone</i>) mhdsabri@upm.edu.my HP: 0173605873 ORCID: 0000-0001-5319-8063			
B. KELAYAKAN AKADEMIK (<i>Academic Qualification</i>)				
Nama Sijil / Kelayakan (<i>Certificate / Qualification obtained</i>)	Nama Sekolah Institusi (<i>Name of School / Institution</i>)	Tahun (<i>Year obtained</i>)	Bidang pengkhususan (<i>Area of Specialization</i>)	
Doctorate	University of Guelph, Canada	2015	Plant Agriculture	
Master of Science	Universiti Putra Malaysia	2010	Food Science	
Bachelor of Food Science (Biotechnology)	Universiti Putra Malaysia	2005	Biotechnology	
C. PENYELIAN (<i>Supervision</i>)				
	Completed / <i>Tamat</i>		Ongoing / <i>Sedang</i>	
	PhD	Master	PhD	Master
Penyelia Utama / <i>Main Supervisor</i>	1. Mahanom Hussin		1. Aidil Azhar Hakim 2. Yin Feilong 3. Guan Boyang	
Penyelia Bersama / <i>Co-Supervisor</i>	1. Tan XY 2. Mohamad Asrol Bin Kalam 3. AM Al-Zabt Rahman	1. Trisha Mansura 2. Chew Ying 3. Nur Annisah Ishak 4. Adieya Atyrrah Adnan 5. Soo Chin Lim	1. Farah Syahirah Abdul Shukri 2. Muhammad Alrazi Bin Ahmad Nor Komar	
D. PENGALAMAN SAINTIFIK DAN PENGKhususan (<i>Scientific experience and Specialisation</i>)				
<i>Organization</i>	<i>Position</i>	<i>Start Date</i>	<i>End Date</i>	<i>Expertise</i>
Universiti Putra Malaysia	Research Assistant	2005	2007	Research and development

E. PEKERJAAN (Employment)				
Majikan / Employer	Jawatan / Designation	Jabatan / Department	Tarikh lantikan / Start Date	Tarikh tamat / Date Ended
Universiti Putra Malaysia	Senior Lecturer	Department of Food Science	October 2015	Current
F. ANUGERAH DAN HADIAH (Honours and Awards)				
Name of awards	Title	Award Authority	Award Type	Year
Academic Awards				
Non-Academic Awards	Anugerah Pekerja Cemerlang Anugerah Pekerja Cemerlang	UPM UPM		2025 2018
Awards of Merit	Gold Medal (PECIPTA 2022)	UMK		2022
G. SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) (List of publications – author (s), title, journal, volume, page and year published)				
Journal	<ol style="list-style-type: none"> Hani Hafeeza Halim, Azizah Abdul Hamid, Faridah Abas, Nazamid Saari, Ahmed Mediani, Amin Ismail, Mohd Sabri Pak Dek, Wan Khairul Anuar Wan Ali, Ahmad Haniff Jaafar. 2026. 1H-NMR-based metabolomics, biological activities and characterisation of volatile compounds in lyophilised coconut (Cocos nucifera L.) water from different coconut cultivars. Food Bioscience, Volume 79, May 2026, 108606. M He, F Yin, MSP Dek, L Liao, Y Liu, Y Liang, W Cai, L Huang, L Shuai. 2025. Methyl jasmonate delays the browning of litchi pericarp by activating the phenylpropanoid metabolism during cold storage. Postharvest Biology and Technology 219, 113278 (Q1) SN See, MS Pak Dek, M Sanny, R Shukri, NS Ramli. 2025. Heavy Metals Assessment in Selected Leafy Vegetables from Selangor, Malaysia. Pertanika Journal of Tropical Agricultural Science 48 (1) SC Lim, NH Juhari, O Lasekan, MS Pak Dek, NH Nik Hadzir. 2025. Profiling of physicochemical properties, volatile and non-volatile compounds, and sensory preferences of three durian (Durio zibethinus L.) varieties in Peninsular Malaysia. International Food Research Journal 32 (1) F Yin, L Shuai, MT Yusof, NS Ramli, A Misran, Y Liu, M He, Y Liang, ...2025. The Role and Regulatory Mechanism of Methionine Sulfoxide Reductase (Msr) in the Process of Chilling Injury of Fruits and Vegetables: A Review. Horticulturae 11 (4), 422 (Q1) PS Nur, AH Azhar, MS Pak-Dek, NS Ramli, Y Rukayadi, AH Jaafar, ...2025. Potential application and mechanism of hexanal in extending shelf life and safety of tropical fruits: A systematic review. International Food Research Journal 32 (2) -IPS SC Lim, NH Juhari, L Ola, MS Pak Dek, NH Nik Hadzir. 2025. Extraction and Identification of Durian's Volatile: A Review. ACS Food Science & Technology 5 (5), 1751-1766. MR Trisha, VD Gunawan, JX Wong, MSP Dek, Y Rukayadi 2024. Antibacterial effect of ethanolic Gnetum gnetum L. leaf extract on food-borne pathogens and its application as a natural preservative on raw quail eggs. Heliyon Aidil Hakim Azhar, Mohd Sabri Pak Dek, Nurul Shazini Ramli, Yaya Rukayadi, Ahmed Mediani and Nurmahani Mohd Maidin. 2024. Hexanal Treatment for Improving the Shelf-Life and Quality of Fruits: A Review. Pertanika Journal of Tropical Agricultural Science, 47(1), 289-305. (9588300) H Wasoh, NAS Sopian, AMM Fatin, M Halim, NAA Rahman, MZM Sobri, ...2024. Clustering Analysis and Differentiation of Lard from Palm Oil and Soybean Oil Based on N-Alkane and Triacylglycerides Profiles Using Chemometric Analysis. Journal of Environmental Microbiology and Toxicology 12 (2), 13-18 Nur Ain Syaquirah Sopian, Muhamad Aidilfitri Mohamad Roslan, Amalia Mohd Hashim, Yanty Noorzianna Abdul Manaf, Mohd Nasir Mohd Desa, Murni Halim, Muhamad Shirwan Abdullah Sani, Mohd Termizi Yusof, Mohd Sabri Pak Dek, and Helmi Wasoh. 2023. N-Alkane Profiles Of Lard And Vegetable Oils, And Their Chemometrics Differentiation. Journal Of Oil Palm Research, 0038. Mohamad Asrol, K ; Suyub, IB *; Pak Dek, MS ; Sumita, S And Jusoh, S. 2023. Characterisation Of Synthesized Protected Fat From Used Cooking Palm Oil And Palm Olein For Animal Feed Application. Journal of Oil Palm Research, 0033. Ishak, A., Pak-Dek, M.S. Ramli, N.S., and Wasoh, H. 2023. Evaluation of Pesticide Residues in Selected Vegetables from Kuala Lumpur, Malaysia using modified 			

- QuEChERS and Assessment of Washing Methods. International Food Research Journal, 30(5), 1159 – 1170.(5440296)
14. Asrol, K., **Pak-Dek, M. S.**, Suyub, I. B., Sugnaseelan, S. Jusoh, S. 2023. Production and optimisation of used cooking palm oil into protected fat calcium salts by fusion method using response surface methodology (RSM). International Food Research Journal 30(3): 696 - 708.
 15. Arnisah, I. N. ., **Mohd Sabri, P. D.** ., Azhari, S. B. ., Asma, R. A. N. . 2023. Potential of Agricultural Residues from *Musa acuminata* (Cavendish) Peel: Study on Physicochemical Properties and Thin-Layer Drying Characteristic. Trends in Sciences, 20(7), 5391.
 16. Halim, **MSP Dek**, AA Hamid, N Saari, MIM Lazim, F Abas, A Ngalim. 2023. Novel sources of bioactive compounds in coconut (*Cocos nucifera* L.) water from different maturity levels and varieties as potent skin anti-aging strategies and anti-fatigue agents. Food Bioscience 51, 102326.
 17. AM Al-Zabt, **MSP Dek**, NS Ramli, Y Rukayadi. 2022. Toxicity evaluation of the ethanolic Jambu bol [*Syzygium malaccense* (L.) Merr. and Perry] leaves extract and mechanisms underlying its antibacterial action. Malaysian Journal of Microbiology 18 (5)
 18. MM Jibril, A Haji-Hamid, F Abas, J Karrupan, AS Mohammed, AH Jaafar, A.H., **Pak-Dek, M.S.**, Ramli, N.S. 2022. Watermelon (*Citrullus lanatus*) leaf extract attenuates biochemical and histological parameters in high-fat diet/streptozotocin-induced diabetic rats. Journal of Food Biochemistry 46 (2), e14058.
 19. SZ Salleh, AA Hamid, AH Jaafar, ND Abdul Majid, N Saari, HH Halim, Ismail, A. Razis, A.F.A., Ramli, N.S., **Pak-Dek, M.S.** 2022. Ergogenic property of *Morinda citrifolia* L. leaf extract affects energy metabolism in obese Sprague Dawley rats. Journal of Food Biochemistry 46 (1), e14027
 20. Farah Syahirah Abdul Shukri, Yii Hung Wei, Mohd Zahid Abidin, Norhashila Hashim, Mohd Nazren Radzuan, **Mohd Sabri Pak Dek**. 2022. Sensorial Characteristics of Noodles Incorporated with Local Dabai Fruit (*Canarium odontophyllum*) Powder. Borneo Journal of Sciences & Technology, 4(1): 65-69.
 21. H Kadum, A Hamid, F Abas, NS Ramli, AH Jaafar, **MSP Dek**, BJ Muhiaddin 2021. Using dates (*Phoenix dactylifera* L.) to improve energy metabolism in fatigue-induced Sprague Dawley rats. Future Foods 4, 100077.
 22. NF Lasano, NS Ramli, A Abdul Hamid, R Karim, **P Dek**, F Abas. 2021. In vitro antidiabetic property and phytochemical profiling of *Mangifera odorata* pulp using UHPLC-ESI-Orbitrap-MS/MS. International Food Research Journal 28 (2)
 23. XY Tan, A Misran, LDJ Daim, P Ding, **MS Pak-Dek**. 2021. Changes in the volatile profiles, organic acid contents, and sugar compositions of durian pulps during long-term frozen storage. Journal of Food Processing and Preservation 45 (3), e15285
 24. XY Tan, A Misran, KW Cheong, LDJ Daim, P Ding, **MSP Dek**. 2020. Postharvest quality indices of different durian clones at ripening stage and their volatile organic compounds. Scientia Horticulturae 264, 109169.
 25. XY Tan, A Misran, LDJ Daim, P Ding, **MSP Dek**. 2020. Effect of freezing on minimally processed durian for long term storage. Scientia Horticulturae 264, 109170
 26. **Mohd Sabri Pak Dek**, PriyaPadmanabhan, Krishnaraj Tiwari, James F.Todd, Gopinadhan Paliyath. 2020. Structural and functional characterization of *Solanum lycopersicum* phosphatidylinositol 3-kinase C2 domain. Plant Physiology and Biochemistry, 148, 180-192.
 27. Nur Arnisah Ishak, Nor Asma Ab. Razak, **Mohd Sabri Pak Dek**, Azhari Samsu Baharuddin. 2020. Production of High Tannin Content and Antioxidant Activity Extract from an Unripe Peel of *Musa acuminata* (Cavendish) Using Ultrasound-Assisted Extraction (UAE). BioResources 15 (1), 1877-1893.
 28. Nor Hafiza Sayuti, Ammar Akram Kamarudin, Nor Asma Ab Razak, Norazalina Saad, Mohd Sabri Pak Dek, Norhaizan Mohd Esa. 2020. Optimized Aqueous Extraction Conditions for Maximal Phenolics, Flavonoids and Antioxidant Capacity from *Artocarpus heterophyllus* (Jackfruit) Leaves by Response Surface Methodology (RSM). Malaysian Journal of Medicine & Health Sciences, 16, 2.
 29. NA Sallehuddin, A Abdul-Hamid, SZ Salleh, N Abdul-Majid, HH Halim, NS Ramli, R Shukri, AH Jaafar, M Hussin, F Anwar, MS Pak-Dek. 2020. Ergogenic, anti-diabetic and antioxidant attributes of selected Malaysian herbs: characterisation of flavonoids and correlation of functional activities. International Food Research Journal, 27, 1.
 30. Ili Zafirah Mat Isa, Nurul Ayda Athierah Mustafa, Mohd Zafreen Shahril, Azizah Abdul Hamid, Nur Hanani Zainal Abedin and **Mohd Sabri Pak Dek**. 2019. Proximate Composition, Physicochemical and Antioxidant Properties of Three Durian (*Durio zibethinus*) Cultivars. Journal of Tropical Plant Physiology, 11(2), 22-30
 31. Nordiana Abdul Majid, Azizah Abdul Hamid, Syafiq Zikri Salleh, Nazamid Saari, Faridah Abas, **Mohd Sabri Pak Dek**, Nurul Shazini Ramli, Ahmad Haniff Jaafar.2019.

- Metabolomics approach to investigate the ergogenic effect of *Morinda citrifolia* L. leaf extract on obese Sprague Dawley rats. *Phytochemical Analysis*, 1-13.
32. Mahanom Hussin, Azizah Abdul Hamid, Faridah Abas, Nurul Shazini Ramli, Ahmad Haniff Jaafar, Suri Roowi, Nordiana Abdul Majid, **Mohd Sabri Pak Dek**. 2019. NMR-Based Metabolomics Profiling for Radical Scavenging and Anti-Aging Properties of Selected Herbs. *Molecules*, 24 (7), 1-24.
 33. Nur Fatimah Lasano, Nurul Shazini Ramli, Azizah Hj Hamid, Roselina Karim, **Mohd Sabri Pak Dek**, Radhiah Shukri. 2019. Effects of different extraction solvents on polyphenols and antioxidant capacity of peel, pulp and seed kernel of kuini (*Mangifera odorata*). *Oriental Pharmacy and Experimental Medicine*, 1-10.
 34. Muhammad Mustapha Jibril, Azizah Abdul-Hamid, Hasanah Mohd Ghazali, **Mohd Sabri Pak Dek**, Nurul Shazini Ramli, Ahmad Haniff Jaafar, Jeeven Karrupan, Abdulkarim Sabo Mohammed. 2019. Antidiabetic Antioxidant and Phytochemical Profile of Yellow-Fleshed Seeded Watermelon (*Citrullus lanatus*) Extracts. *Journal of Food and Nutrition Research*, 7(1), 82-95.
 35. Nur Fatimah Lasano, Azizah Haji Hamid, Roselina Karim, **Mohd Sabri Pak Dek**, Radhiah Shukri, Nurul Shazini Ramli. 2019. Nutritional composition, anti-diabetic properties and identification of active compounds using UHPLC-ESI-orbitrap-MS/MS in *Mangifera odorata* L. peel and seed kernel. *Molecules*, 24(2), 1-20.
 36. **Mohd Sabri Pak Dek**, Priya Padmanabhan, Jayasankar Subramanian, Gopinadhan Paliyath. 2018. Inhibition of tomato fruit ripening by 1-MCP, wortmannin and hexanal is associated with a decrease in transcript levels of phospholipase D and other ripening related genes. *Postharvest biology and technology*, 140, 50-59.
 37. Hani Hafeeza Halim, Elfy Williams Dee, **Mohd Sabri Pak Dek**, Azizah Abdul Hamid, Ahmad Ngalim, Nazamid Saari, Ahmad Haniff Jaafar. 2018. Ergogenic Attributes of Young and Mature Coconut (*Cocos nucifera* L.) Water Based on Physical Properties, Sugars and Electrolytes Contents. *International journal of food properties*, 21(1), 2378-2389.
 38. Logeswary Selvakumaran, Radhiah Shukri, Nurul Shazini Ramli, **Mohd Sabri Pak Dek**, Wan Zunairah Wan Ibadullah. 2017. Orange sweet potato (*Ipomoea batatas*) puree improved physicochemical properties and sensory acceptance of brownies. *Journal of the Saudi Society of Agricultural Sciences*, 332-336.
 39. **Mohd Sabri Pak Dek**, Priya Padmanabhan, Sherif Sherif, Jayasankar Subramanian. 2017. Upregulation of Phosphatidylinositol 3-Kinase (PI3K) Enhances Ethylene Biosynthesis and Accelerates Flower Senescence in Transgenic *Nicotiana tabacum* L. *International Journal of Molecular Sciences*, 18(7), 1533, 1-125
 40. Dineshkumar Selvaraj, Sherif Sherif, **Mohd Sabri Pak Dek**, Gopinadhan Paliyath, Islam El-Sharkawy, Jayasankar Subramanian. 2016. Identification and Characterization of Genes Involved in the Fruit Color Development of European Plum. *Journal of the American Society for Horticultural Science*, 141(5), 467-474.
 41. Azizah Hamid, **Mohd Dek**, Chin Tan, Mohd Zainudin, Evelyn Fang. 2014. Changes of major antioxidant compounds and radical scavenging activity of palm oil and rice bran oil during deep-frying. *Antioxidants*, 3(3), 502-515.
 42. Mohd Asraf Mohd Zainudin, Azizah Abdul Hamid, Farooq Anwar, Norshahida Mohamad Shofian, **Mohd Sabri Pak Dek**. 2014. Effect of fluorescent light on selected antioxidant compounds and antioxidant activity during storage of fresh-cut carambola (*Averrhoa carambola* L.) fruit. *Pakistan Journal of Botany*, 44(5), 1681-1688.
 43. Najla Gooda Sahib, Azizah Abdul Hamid, Nazamid Saari, Faridah Abas, **M Sabri Pak Dek**, Mustupha Rahim. 2012. Anti-pancreatic lipase and antioxidant activity of selected tropical herbs. *International Journal of Food Properties*, 15(3), 569-578.
 44. MM Nurmahani, A Osman, A Abdul Hamid, F Mohamad Ghazali, **MS Pak Dek**. 2012. Antibacterial property of *Hylocereus polyrhizus* and *Hylocereus undatus* peel extracts. *International Food Research Journal*, 19(1), 77-84.
 45. **Mohd Sabri Pak-Dek**, Azizah Osman, Najla Gooda Sahib, Nazamid Saari, Masturah Markom, Azizah Abdul Hamid, Farooq Anwar. 2011. Effects of extraction techniques on phenolic components and antioxidant activity of Mengkudu (*Morinda citrifolia* L.) leaf extracts. *Journal of Medicinal Plants Research*, 5(20), 5050-5057.
 46. Norshahida Mohamad Shofian, Azizah Abdul Hamid, Azizah Osman, Nazamid Saari, Farooq Anwar, **Mohd Sabri Pak Dek**, Muhammad Redzuan Hairuddin. 2011. Effect of freeze-drying on the antioxidant compounds and antioxidant activity of selected tropical fruits. *International Journal of Molecular Sciences*, 12(7), 4678-4692.
 47. M Zargar, AH Azizah, AM Roheeyati, AB Fatimah, F Jahanshiri, **MS Pak-Dek**. 2011. Bioactive compounds and antioxidant activity of different extracts from *Vitex negundo* leaf. *Journal of Medicinal Plants Research*, 5(12), 2525-2532.

	<p>48. Mar Mar Win, Azizah Abdul-Hamid, Badlishah S Baharin, Farooq Anwar, Madumpal C Sabu, Mohd S Pak-Dek. 2011. Phenolic compounds and antioxidant activity of peanut's skin, hull, raw kernel and roasted kernel flour. <i>Pakistan Journal of Botany</i>, 43(3), 1635-1642.</p> <p>49. MK Mohd Zainol, A Abdul-Hamid, F Abu Bakar, S Pak Dek. 2009. Effect of different drying methods on the degradation of selected flavonoids in <i>Centella asiatica</i>. <i>International Food Research Journal</i>, 16, 531-537.</p> <p>50. MS Pak-Dek, A Abdul-Hamid, A Osman, CS Soh. 2008. Inhibitory Effect of <i>Morinda Citrifolia</i> L. on Lipoprotein Lipase Activity. <i>Journal of Food Science</i>, 73(8), C595-C598.</p>
Proceedings	<p>1. Ulfa Nurrofhingah, Sumiati, Yuli Retnani, Mohd Sabri Pak Dek. 2019. Physical characteristics of duck pellet and antioxidant activity of sweet potato leaves and cassava leaves. <i>AIP Conference Proceedings</i>, 2120, 1-8.</p>

H. INTELLECTUAL PROPERTY RIGHT (IPR)					
Num	INTELLECTUAL PROPERTY	Role	Year	Types	Status
1	Application of Pericaria minus (Kesum) as natural Anti-ageing Agent (TS2023030101)	KETUA PROJEK <i>Project leader</i>	1.3.2023	Trade Secret	Approved
2	Nanoemulsion for Halal Lotion Base Formula	AHLI <i>Member</i>	4.10.2022	Trade Secret	Approved
3	An Improved Method Of Freeze-Drying Herbal Leaves	AHLI <i>Member</i>	2022	Patent - Filling	Submitted to MyIPO
4	Method for Producing A Safe Cattle Lipid Supplement from used Cooking Palm Oil	AHLI <i>Member</i>	2022	Patent - Filling	Submitted to MyIPO
5	My Sawit Adventure (Source code)	AHLI <i>Member</i>	2022	IP-Copyright	Submitted to MyIPO

I. PROJEK PENYELIDIKAN TERDAHULU (Past Research Project)					
Num	Project Title	Role	Year	Source of fund	Status
.1	COMMERCIALIZATION OF KESUM CAPSULE AS NATURAL ANTI-AGING SUPPLEMENT: FROM LAB TO SHELF	KETUA PROJEK <i>Project leader</i>	9.9.2024-8.9.2025-8.6.2026-8.9.2026	Geran Pembangunan Produk Penyelidikan Putra (RM69500)	Ongoing
.2	NATURAL ANTIOXIDANTS FOR EXTENDING THE STABILITY OF VEGETABLE OIL USED IN FRYING	KETUA PROJEK <i>Project leader</i>	16.7.2024-15.7.2026	International Private Company (RM26,256)	Ongoing
.3	METABOLOMIC ANALYSIS OF DURIAN (<i>Durio zibethinus</i> L.) FRUIT'S TREATED WITH 1-METHYLCYCLOPROPENE(1-MCP) AND HEXANAL VAPOUR AS POSTHARVEST TREATMENT (9774100)	KETUA PROJEK <i>Project leader</i>	12/2023 to 12/2024	Geran Inisiatif Putra Siswazah (RM20K)	Completed
.4	PROFILING THE VOLATILE AND NON-VOLATILE TASTE ACTIVE-COMPONENTS AS POTENTIAL MARKERS OF DURIAN VARIETIES	AHLI <i>Member</i>	12/2020 to 12/2023	GERAN PUTRA INISIATIF PUTRA MUDA (RM50K)	Completed
.5	DEVELOPMENT OF ONLINE EDUCATIONAL TOOL FOR TERTIARY EDUCATION	KETUA PROJEK <i>Project leader</i>	12/2020 to 12/2021	MALAYSIAN PALM OIL COUNCIL (MPOC) RM59,862.30	Completed

				Private Fund	
.6	RHAMNOLIPIDS BIOSURFACTANT PRODUCTION FROM WASTE GLYCERINE AND ITS POTENTIAL APPLICATION AGRICULTURAL INDUSTRIES	AHLI <i>Member</i>	03/2020 to 08/2022	INTERNATIONAL COLLABORATION FUND, MOSTI (257K),	Completed
.7	THE PHYSICO-CHEMICAL, PHYTOCHEMICAL, ANTIOXIDANT AND SHELF-LIFE CHARACTERISTICS OF ALDEHYDE VAPOUR TREATED DURIAN FRUITS (5540296)	KETUA PROJEK <i>Project leader</i>	2019 to 2021	FUNDAMENTAL RESEARCH GRANT SCHEME (RM95K)	Completed
.8	METABOLITES FROM SELECTED HERBS AS POTENT ANTI-AGEING STRATEGY USING NMR-BASED METABOLOMIC (9650500)	KETUA PROJEK <i>Project leader</i>	2018 to 2020	GP - GERAN PUTRA (RM50K)	Completed
.9	QUALITY ATTRIBUTES AND BIOMARKER PROFILING OF MALAYSIAN PREMIUM DURIAN (DURIO ZIBERTHINUS) VARIETIES USING QUANTATIVE METHODS (9588300)	KETUA PROJEK <i>Project leader</i>	2017 to 2019	GERAN PUTRA INISIATIF PUTRA MUDA (RM60K)	Completed
10	FROZEN DESERT FROM COSMOS CAUDATUS WITH POTENT ANTIDIABETIC PROPERTY (9003270)	AHLI <i>Member</i>	2019 to 2020	INNOHUB, UPM (RM80K)	Completed
11	ANTI-DIABETIC PROPERTY OF CITRULLUS LANATUS LEAF EXTRACT IN HIGH FAT DIET AND STZ INDUCED DIABETIC SPRAGUE DAWLEY RATS (9570900)	AHLI <i>Member</i>	2018 to 2019	GERAN PUTRA (RM50K)	Completed
12	HIGH PRESSURE STABILIZATION OF NONI (MORINDA CITRIFOLIA L.) JUICE PRODUCED USING NATURAL FERMENTATION	AHLI <i>Member</i>	2017 to 2018	GERAN PUTRA INISIATIF SISWAZAH, UPM(RM20K)	Completed
13	STRUCTURAL INTEGRITY AND CONFORMATIONAL CHANGES OF ALLERGENS FROM INDIAN MACKEREL (RASTRELLIGER KANAGURTA) AND THEIR ALLERGENICITY UPON TREATMENT WITH HIGH HYDROSTATIC PRESSURE (HHP) PROCESSING TECHNOLOGY	AHLI <i>Member</i>	2017 to 2020	GP-IPM, UPM (RM60K)	Completed
14	FREEZING EFFECT ON THE QUALITY RETENTION IN PULP OF DURIAN FOR LONG TERM STORAGE	AHLI <i>Member</i>	2017 to 2019	FRGS - (RM80K)	Completed
Total				PI =RM379K Co-researcher = RM467K	

Student Supervision

<i>Number</i>	<i>Name</i>	<i>Program</i>	<i>Status</i>	<i>Enrolement</i>	<i>Graduated</i>
1	MAHANOM HUSSIN (GS45275)	PhD –Main Supervisor	Graduated	2015	2022
2	MOHAMAD ASROL BIN KALAM (GS52997)	PhD –Co Supervisor	Graduated	2018	2022
3	AIDIL HAKIM BIN AZHAR (GS63483)	PhD –Main Supervisor	Active	2021	
4	YIN FEILONG (GS67687)	PhD –Main Supervisor	Active	2023	
5	GUAN BOYANG (GS71509)	PhD –Main Supervisor	Active	2024	
6	NOR ADELINE SHEENA BINTI FAIZAL (GS73808)	PhD –Main Supervisor	Active	2025	
7	ZONIA RASHID (GS75708)	PhD –Main Supervisor	Active	2026	