

CURRICULUM VITAE



A. BUTIR-BUTIR PERIBADI (*Personal Details*)

Nama Penuh (<i>Full Name</i>)	AHMAD HANIFF JAAFAR		Gelaran (<i>Title</i>):DR
No. MyKad / No. Pasport (<i>Mykad No. / Passport No.</i>) 800310025875	Warganegara (<i>Citizenship</i>) MALAYSIA	Bangsa (<i>Race</i>) MELAYU	Jantina (<i>Gender</i>) LELAKI
Jawatan (<i>Designation</i>)	PENSYARAH KANAN	Tarikh Lahir (<i>Date of Birth</i>)	10 MAC 1980

Alamat Semasa (<i>Current Address</i>)	Jabatan/Fakulti (<i>Department/Faculty</i>)	E-mel dan URL (<i>E-mail Address and URL</i>)
NO 4, JALAN BARU 14, TAMAN BUKIT KAJANG BARU, 43000, KAJANG, SELANGOR Tel: TIADA	JABATAN SAINS MAKANAN, FAKULTI SAINS & TEKNOLOGI MAKANAN, UPM SERDANG, 43400 SERDANG, SELANGOR, MALAYSIA Tel: 03-8946 8393 Fax: 03-8942 3552	E-mail: a_hanif@upm.edu.my URL: H/P: 013-2355183

B. KELAYAKAN AKADEMIK (*Academic Qualification*)

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>)
Doktor Falsafah	University of Guelph, Canada	2014	Food Science
Master Sains	Universiti Putra Malaysia	2007	Enzyme Catalysis
Bachelor Sains	Universiti Putra Malaysia	2003	Industrial Chemistry

C. KEMAHIRAN BAHASA (*Language Proficiency*)

Bahasa / <i>Language</i>	Lemah <i>Poor (1)</i>	Sederhana <i>Moderate (2)</i>	Baik <i>Good (3)</i>	Amat Baik <i>Very good (4)</i>	Cemerlang <i>Excellent (5)</i>
English				x	
Bahasa Melayu					x
Chinese	x				
Lain-lain (<i>other</i>):	x				

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>
E. PEKERJAAN (Employment)				
<i>Majikan / Employer</i>	<i>Jawatan / Designation</i>	<i>Jabatan / Department</i>	<i>Tarikh lantikan / Start Date</i>	<i>Tarikh tamat / Date Ended</i>
UNIVERSITI PUTRA MALAYSIA	PENSYARAH KANAN	SAINS MAKANAN	OKTOBER 2014	TIADA
UNIVERSITI PUTRA MALAYSIA	TUTOR	SAINS MAKANAN	JUN 2008	OKTOBER 2014
JF APEX SECURITIES SDN BHD	ASSISTANCE REMISIER	-	NOVEMBER 1999	MAC 2000
F. ANUGERAH DAN HADIAH (Honours and Awards)				
<i>No.</i>	<i>Name of awards and Title</i>	<i>Award Authority</i>	<i>Award Type</i>	<i>Year</i>
1.	ASEAN NEXT 2021: ASEAN Summit on Spin-Off Technologies	MOSTI and ASEC	International	2021
2.	Winner of Product Development Programme 2.0	Bioeconomy Corp and MAFI	National	2021
3.	Gold Medal, ITEX 2020	International Technology Expo (ITEX 2020)	International	2020
4.	Award of Merit 2020	The Malaysia-Croatia Technology Exchange 2020	International	2020
5.	Silver Medal, MTE 2020	Malaysian Technology Expo	International	2020
6.	UGRIS Scholarship	University of Guelph	Universiti	2010
7.	Skim Latihan Akademik Bumiputra	Kementerian Pengajian Tinggi	National	2009
8.	Silver Medal at Invention, Research and Innovation Exhibition	UPM	Universiti	2006
9.	Bronze Medal Protein Structure-Based Design of Novel Semisynthetic Metallotrypsin	UPM	Universiti	2006
10.	Bronze Medal In silico Protein Engineering : A fundamental approach of molecular interaction in protein chemistry	UPM	Universiti	2005
11.	Silver Medal High-Throughput Screening on Thermolysin Surface Area for Desinging a Novel Semisynthetic Metalloenzyme	UPM	Universiti	2004
12.	National Science Fellowship	MOSTI	National	2004

G. Identiti Penerbitan (<i>Publishing ID</i>)		
Database	ID	h-index
Scopus	57190228872: Jaafar, Ahmad Haniff	3
Research Gate	https://www.researchgate.net/profile/Ahmad-Jaafar	4
ORCID	https://orcid.org/0000-0002-8691-8634	

H. SENARAI PENERBITAN (Sila masukan nama pengarang, tajuk, nama jurnal, jilid, muka surat dan tahun diterbitkan) (<i>List of publications – author (s), title, journal, volume, page and year published</i>)	
<i>Journal</i>	<ol style="list-style-type: none"> Hana Kadum, Azizah Hamid, Faridah Abas, Nurul Shazini Ramli, Ahmad Haniff Jaafar, Mohd Sabri Pak Dek, Belal J. Muhialdin, Hani Hafeeza Halim, Abdul Karim Sabo Mohammed, Salam A. Ibrahim (2021). Using dates (<i>Phoenix dactylifera</i> L.) to improve energy metabolism in fatigue-induced Sprague Dawley rats. <i>Future Food</i> 4 (2021) 100077 Siti Khadijah Khalid, Mohammad Rashedi Ismail-Fitry, Masni Mat Yusoff, Hani Hafeeza Halim, Ahmad Haniff Jaafar and Nur Izzah Arifah Zarul Anuar (2021). Different Maturities and Varieties of Coconut (<i>Cocos nucifera</i> L.) Flesh as Fat Replacers in Reduced-Fat Meatballs. <i>Sains Malaysiana</i> 50(8):2219-2228. Badrul. S and Jaafar, A.H. (2021). Potential use of rosemary extract to increase the quality and safety of rendered chicken fat. <i>International Food Research Journal</i> 28(3):554-565. Siti Norhamimah Mohamed Yunus· Nur Khaleeda Zulaikha Zolkeflee, Ahmad Haniff Jaafar and FaridahAbas (2021). Metabolite identification in different fractions of <i>Ficus auriculata</i> Loureiro fruit using the 1H-NMR metabolomics approach and UHPLC-MS/MS. <i>South African Journal of Botany</i> 138(5):348-363. Belal J Muhialdin, Anis Sobirin Meor Hussin, Hana Kadum, Azizah Abdul Hamid and Ahmad Haniff Jaafar (2021). Metabolomic changes and biological activities during the lacto-fermentation of jackfruit juice using <i>Lactobacillus casei</i> ATCC334. <i>Lebensmittel-Wissenschaft und-Technologie</i> 141(1):110940. Siti Norhamimah Mohamed Yunus Nur Ashikin Abdul-Hamid, Ahmad Haniff Jaafar and Faridah Abas (2021). NMR-based metabolomics for elucidating the bioactive compounds from <i>Mangifera caesia</i> Jack and <i>Ficus auriculata</i> Lour. <i>Journal of Food Biochemistry</i> 45(83). Siti Norhamimah Mohamed Yunus, Faridah Abas, Ahmad Haniff Jaafar, Awanis Azizan, Nur Khaleeda Zulaikha Zolkeflee, Siti Zulaikha Abd Ghafar (2021). Antioxidant and α-glucosidase inhibitory activities of eight neglected fruit extracts and UHPLC-MS/MS profile of the active extracts. <i>Food Science and Biotechnology</i> 30(2) Sallehuddin, N.A., Abdul-Hamid, A., Salleh, S.Z., Abdul-Majid, N., Halim, H.H., Ramli, N.S., Shukri, R., Jaafar, A.H., Hussin, M., Anwar, F. and Pak-Dek, M.S (2020). Ergogenic, anti-diabetic and antioxidant attributes of selected Malaysian herbs: characterisation of flavonoids and correlation of functional activities. <i>International Food Research Journal</i> 27(1): 197 – 207 NorDiana Abdul Majid, Azizah Abdul Hamid, Syafiq Zikri Salleh, Nazamid Saari, Faridah Abas, Mohd Sabri Pak Dek, Nurul Shazini Ramli, and Ahmad Haniff Jaafar (2020). Metabolomics Approach to Investigate the Ergogenic Effect of <i>Morinda citrifolia</i> L. Leaf Extract on Obese Sprague Dawley Rats. <i>Phytochemical Analysis</i>, 31(2):191-203.

	<p>10. Mahanum 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. <i>Molecules</i>, 24(17), 3208-</p> <p>11. Hana Kadum, Azizah Abdul Hamid, Faridah Abas, Nurul Shazini Ramli, Abdul Karim Sabo Mohammed, Belal J Muhiaddin & Ahmad Haniff Jaafar (2019). Bioactive Compounds Responsible for Antioxidant Activity of Different Varieties of Date (Phoenix dactylifera L.) Elucidated by 1H- NMR Based Metabolomics. <i>International Journal of Food Properties</i>. 22 (1), 462-476</p> <p>12. 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 (<i>Citrullus Lanatus</i>) Extracts. Journal of Food and Nutrition Research, 7(1), 82-95</p> <p>13. 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 (<i>Cocos nucifera</i> L.) Water Based on Physical Properties, Sugars and Electrolytes Contents <i>International Journal of Food Properties</i>. 21(1), 2378-2389.</p> <p>14. Hani Hafeeza Halim, Mohd Sabri Pak Dek, Azizah Abdul Hamid and Ahmad Haniff Jaafar. (2017). Fatigue onset through oxidative stress, dehydration and lactic acid accumulation and it's <i>in vivo</i> study using experimental animals. <i>Journal of Advanced Review of Scientific Research</i>. 35 (1), 1-12.</p> <p>15. Jaafar, A.H., Xiao, H., Dee D.R., Braksa, B.C., Bhaumik, P. and Yada, R.Y. (2016). The prosegment catalyses native folding of Plasmodium falcifarum plasmepsin II. <i>Biochimica et Biophysica Acta</i> 1864(10), 1356-1362.</p> <p>16. Mohd Basyaruddin Abdul Rahman, Ahmad Haniff Jaafar, Mahiran Basri, Raja Noor Zaliha Raja Abdul Rahman and Abu Bakar Salleh (2014). Biomolecular Design and Receptor-Ligand Interaction of a Potential Industrial Biocatalyst: A Thermostable Thermolysin-Phosphoethanolamine-Ca²⁺ Protein Complex. <i>Journal of Advanced Catalysis Science and Technology</i>. 1:1-15</p> <p>17. Mohd. Basyaruddin Abdul Rahman, Ahmad Haniff Jaafar, Mahiran Basri, Raja Noor Zaliha Raja Abdul Rahman, Abu Bakar Salleh and Habibah Abdul Wahab, (2007). Design of Novel Semisynthetic Metalloenzyme from Thermolysin. <i>BMC System Biology</i>. 1: P-68</p> <p>18. Mohd Basyaruddin Abdul Rahman, Ahmad Haniff Jaafar, Azizah Misran, Raja Nor Zaliha Abdul Rahman, Mahiran Basri, Abu Bakar Salleh and Habibah Wahab. (2006). In Silico Approach for Designing a Novel semisynthetic Metalloenzyme. <i>Science Putra</i>. 14(2), 17-22.</p>
Books/Monographs	TIADA
Chapter in book	<p>1. Azizah Misran and Ahmad Haniff Jaafar (2018). Protein. In: Elhadi Yahia and Armando Carillo-Lopez, Editors. Postharvest Physiology and Biochemistry of Fruits and Vegetables. Elsevier, Woodhead Publishing, pg: 315-334.</p>
Proceedings	<p>International</p> <p>1. Hani Hafeeza Halim, Mohd Sabri Pak Dek, Azizah Hamid, Mohd Izwan Mohd Lazim, Ahmad Ngalim, Nazamid Saari, & Ahmad Haniff Jaafar. Antioxidant and Anti-aging Strategies of Coconut (<i>Cocos nucifera</i> L.) Water upon Its Maturation Levels, 11th-12th November 2019, 7th International Symposium on Applied Engineering and Sciences (SAES 2019), Universiti Putra Malaysia.</p> <p>2. Hani Hafeeza Halim, Elfy Williams Dee, Mohd Sabri Pak Dek, Azizah Hamid</p>

& Ahmad Ngalim & **Ahmad Haniff Jaafar**, Ergogenic Attributes of Young and Mature Coconut Water from Popular Malaysian Coconut Varieties (Pandan, Gading, MATAG and MAWA), 17th-18th August 2017, University Consortium Graduate Forum 2017, Kasetsart University, Thailand.

3. Hani Hafeeza Halim, Elfy Williams Dee, Mohd Sabri Pak Dek, Azizah Hamid & Ahmad Ngalim & **Ahmad Haniff Jaafar**, Quality Attributes of Malaysian Coconut Water (MATAG and MAWA), 25th-27th July 2017, International Food Research Conference 2017, 118-077 Functional Food, pp 305-308, Complex of the Deputy Vice Chancellor (Research & Innovation), UPM
4. Hani Hafeeza Halim, Elfy Williams Dee, Mohd Sabri Pak Dek, Azizah Hamid & Ahmad Ngalim & **Ahmad Haniff Jaafar**, Mineral Content and Antioxidant Properties of Young and Mature Coconut Water from Different Malaysian Coconut Varieties (Pandan, Gading, MATAG, MAWA), Monash Science Symposium 2016, 21st -23rd November 2016, Monash University Malaysia.
5. **Jaafar, A.H**, Abdul Rahman, M.B., Basri, M., Abdul Rahman, R.N.Z.R. and Salleh, A.B. (2007). In silico protein engineering: Molecular approach for screening putative ligands potential for thermolysin inhibitor. 10th Asean Food Conference, 21-23 August 2007, Kuala Lumpur, Malaysia.
6. Mohd. Basyaruddin Abdul Rahman, **Ahmad Haniff Jaafar**, Mahiran Basri, Raja Noor Zaliha Raja Abdul Rahman, Abu Bakar Salleh and Habibah Abdul Wahab, "Design of Novel Semisynthetic Metalloenzyme from Thermolysin", BioSysBio – System Biology, Bioinformatics, Synthetic Biology – Incorporating the Young Bioinformaticians' Forum, 11-13th January 2007, Manchester, United Kingdom.
7. Mohd. Basyaruddin Abdul Rahman, **Ahmad Haniff Jaafar**, Mahiran Basri, Raja Noor Zaliha Raja Abdul Rahman, Abu Bakar Salleh and Habibah Abdul Wahab, "Biomolecular design and interaction studies of potential industrial biocatalyst: a highly thermostable protein complex of thermolysin-phosphoetanolamine-Ca²⁺", 4th Asia Pacific Congress on Catalysis (APCAT 4), 6-8th December 2006, Singapore.
8. Mohd. Basyaruddin Abdul Rahman, **Ahmad Haniff Jaafar**, Mahiran Basri, Raja Noor Zaliha Raja Abdul Rahman, Abu Bakar Salleh and Habibah Abdul Wahab, "Approach of Biomolecular Interaction in Metalloprotein Chemistry", Frontiers in Chemical Biology : Mechanistic Enzymology and Biocatalysis, 31 August – 2 September 2005, Exeter, United Kingdom.
9. Mohd Basyaruddin Abdul Rahman, Azizah Misran, **Ahmad Haniff Jaafar**, Habibah Abdul Wahab, Raja Nor Zaliha Abdul Rahman, Abu Bakar Salleh and Mahiran Basri, "Screening and Docking of Chemical Ligands onto Pocket Cavities of Protease for Designing a Biocatalyst", 6th International Conference on Protein Stabilization 2004, 26-29th September 2004, Bratislava, Slovakia.

Prosiding National

1. Lai Yee Sun., Asmaul Husna Mohmad Zaidi, Hani Hafeeza Halim., Muhd Alif Abdul Wahab, Ahmad Ngalim, & **Ahmad Haniff Jaafar**, Physical Properties and Sugar Profile of Different Maturities Coconut (*Cocos nucifera* L.) Water from MRD and MAWA Varieties, 7th-9th August 2018, National Coconut Conference 2018, Kinta Riverfront Hotel and Suites, Ipoh.
2. Hani Hafeeza Halim, Elfy Williams Dee, Mohd Sabri Pak Dek, Azizah Hamid & Ahmad Ngalim & **Ahmad Haniff Jaafar**, Functional Electrolytes, Antioxidant Activities and Phytochemical Attributes of Young and Mature Malaysian Coconut Water (Pandan, Gading, MATAG & MAWA), MIFT 10TH National Food Science & Technology Competition, 17-18th March 2017, Taylors University-Lakeside Campus.
3. Hani Hafeeza Halim, Elfy Williams Dee, Mohd Sabri Pak Dek, Azizah Hamid

	<p>& Ahmad Ngaliim & Ahmad Haniff Jaafar, Physicochemical Characterization and Antioxidant Activities of Young and Mature Coconut Water from Malaysian Coconut Varieties, National Coconut Workshop 2016, 9th August 2016, Bangunan Canselori Putra, UPM.</p> <p>4. Mohd Basyaruddin Abdul Rahman, Ahmad Haniff Jaafar, Mahiran Basri, Raja Noor Zaliha Raja Abd Rahman, Abu Bakar Salleh and Habibah Abdul Wahab "In silico protein engineering: Fundamental approach of biochemical molecular interaction in designing potential protein complexes as industrial biocatalyst", 18th Annual National Symposium on Analytical Chemistry,, 12-14th September 2005, Hyatt Regency Hotel, Johor Bahru. (*Winner of Best Overall Poster).</p> <p>5. Mohd Basyaruddin Abdul Rahman, Azizah Misran, Ahmad Haniff Jaafar, Habibah Abdul Wahab, Raja Noor Zaliha Raja Abdul Rahman, Abu Bakar Salleh and Mahiran Basri, "Molecular Docking Approach for Characterizing a Novel Semisynthetic Metalloenzyme", 17th Annual National Symposium on Analytical Chemistry, 24-26th August 2004, Kuantan, Pahang.</p> <p>6. Ahmad Haniff Jaafar, Mohd Basyaruddin Abdul Rahman, Mahiran Basri and Abu Bakar Salleh. High Throughput Screening of Chemical Ligands For Designing a Novel Semisynthetic Metalloenzyme. 25th -28th April 2004. 3rd Structural Biology Colloquium, Grand Plaza Parkroyal, Penang.</p> <p>7. Mohd Basyaruddin Abdul Rahman, Azizah Misran, Ahmad Haniff Jaafar, Syarajatul Erma Khalid, Mahiran Basri, Raja Noor Zaliha Raja Abdul Rahman and Abu Bakar Salleh, "Engineering Novel Metalloproteins: Design of Ligand-Metal-Binding Sites into Thermolysin by Structural Prediction Method", 14th National Biotechnology Seminar, Universiti Sains Malaysia, Penang, 10-13 December, 2003.</p>				
Other publications	TIADA				
Computer software	TIADA				
I. PROJEK PENYELIDIKAN TERDAHULU (Past Research Project)					
Project No.	Project Title	Role	Year	Source of fund	Status
1.	Frozen desert from <i>Cosmos caudatus</i> with potent antidiabetic property	Project Leader	2020	InnoHub-UPM	On-going
2.	The Physico-chemical, antioxidant and Shelf-life characteristics of Hexanal Vapour Treated Durian Fruit	Co-researcher	2019	FRGS, KTP	On-going
3.	Ergogenic attributes and metabolites profiling of coconut water from four most popular Malaysian coconut varieties.	Project Leader	2018	IPM- Geran Putra	On-going
4.	Physicochemical properties and antioxidant activities of young coconut water from Malaysian coconut (<i>Cocos nucifera</i> . L) varieties (Pandan, Gading, MATAG & MAWA).	Project leader	2017	IPS- Geran Putra	Completed

5.	<i>Morinda</i> L. leaf extract properties in the prevention and treatment of obesity ergogenic and obesity-linked diseases.	Co-researcher	2016	MOA	Completed
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