

CURRICULUM VITAE



A. BUTIR-BUTIR PERIBADI (Personal Details)			
Nama Penuh (<i>Full Name</i>)	SITI SALWA ABD GANI	Gelaran (<i>Title</i>): <i>PROF MADYA DR</i>	
No. MyKad / No. Pasport (<i>Mykad No. / Passport No.</i>) 830111-04-5408	Warganegara (<i>Citizenship</i>) MALAYSIA	Bangsa (<i>Race</i>) MALAY	Jantina (<i>Gender</i>) FEMALE
Jawatan (<i>Designation</i>)	ASSOCIATE PROFESSOR	Tarikh Lahir (<i>Date of Birth</i>)	11 JANUARY 1983

Alamat Semasa (<i>Current Address</i>)	Jabatan/Fakulti (<i>Department/Faculty</i>)	E-mel dan URL (<i>E-mail Address and URL</i>)
NO 53, JALAN IMPIANA2, IMPIANA RESIDENCE, 71800 PUTRA NILAI, NEGERI SEMBILAN Tel:019-6410977	JABATAN TEKNOLOGI PERTANIAN, FAKULTI PERTANIAN, UNIVERSITI PUTRA MALAYSIA, 43400 UPM SERDANG, SELANGOR Tel: 03-89474945, 03- 89468557 Fax: 03-89381015	E-mail: ssalwaag@upm.edu.my, ssalwa.abdgani@gmail.com URL: H/P: 018-2207533

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 pengkhusususan (<i>Area of Specialization</i>)
Bachelor of Science with Education (Hons.)- Chemistry	Faculty of Science, Universiti Putra Malaysia	2003- 2007	Chemistry

Doctor of Philosophy	Faculty of Science, Universiti Putra Malaysia	2007- 2010	(Oleochemistry) Title: Formation and Characteristics of Engkabang-based Nano Cosmeceuticals
Postdoctoral Fellow	UCL School of Pharmacy, London, United Kingdom	2012	(Formulation Science) Title: Effect of Octyl Salicylate with Respect to the Physical Appearance of Mono/Di Capric and Caprylic Fatty Acids Formulations

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

D. PENGALAMAN SAINTIFIK DAN PENGKHUSUSAN <i>(Scientific experience and Specialisation)</i>				
Organization	Position	Start Date	End Date	Expertise
Department of Agriculture Technology, Faculty of Agriculture	Lecturer / researcher	1 st June 2017	Present	Agriculture Product Development
Halal Product Research Institute	Associate researcher	2011	Present	Halal Product Development
Institut Kimia Malaysia	Member	2016	Present	Oleochemistry, Agriculture Product Development

E. PEKERJAAN (Employment)				
Majikan / Employer	Jawatan / Designation	Jabatan / Department	Tarikh lantikan / Start Date	Tarikh tamat / Date Ended
UPM	Senior lecturer	Pusat Asasi Sains Pertanian	1 october 2010	31 May 2017
UPM	Associate professor	Department of Agriculture Technology, Faculty of Agriculture	1 June 2017	present

F. ANUGERAH DAN HADIAH (Honours and Awards)				
Name of awards	Title	Award Authority	Award Type	Year
Academic Award (Silver Medal)	Optimization of Natural Lipstick Formulation Based on Pitaya (<i>Hylocereus polyrhizus</i>) Seed Oil Using D-Optimal Mixture Experimental Design. Pameran Rekacipta Penyelidikan dan Inovasi (PRPI)	Universiti Putra Malaysia	University	2016
Academic Award (Silver Medal)	Formulation and Process Optimizations of Nano-Cosmeceuticals Containing Purified Swiftlet Nest. Pameran Rekacipta Penyelidikan	Universiti Putra Malaysia	University	2016

	dan Inovasi (PRPI)			
Academic Award (Bronze Medal)	Oil Palm (Elaeis guineensis) Leaf Extract as Active Ingredient for Topical Application. Ekspo Inovasi Islam (i- INOVA)	Universiti Sains Islam Malaysia	National	2016
Academic Award (Gold Medal)	Grange WCO- Skin Cream. Malaysia international Young Inventors Olympiad	Perda Mall, Penang, Malaysia	International	2016
Academic Award (Gold Medal)	Himalayan Salts as Dermatitis Soap (HSDS). International Engineering, Invention dan Innovation Exhibition (I- ENVEK 2016)	Universiti Malaysia Perlis	International	2016
Academic Award (Silver Medal)	Grange WCO- Skin Cream. International Engineering, Invention dan Innovation Exhibition (I- ENVEK 2016)	Universiti Malaysia Perlis	International	2016
Academic Award (Gold Medal and Special Award)	Grange WCO- Skin Cream. World Invention Innovation Contest	Chung Mu Art, Seoul, Korea	International	2016

Academic award (Gold Medal)	Himalayan Salts as Dermatitis Soap (HSDS). Innovation, Invention and Design Exposition	UiTM Shah Alam, Malaysia	National	2016
Academic award (Gold Medal)	Grange WCO-Skin Cream. Innovation, Invention and Design Exposition	UiTM Shah Alam, Malaysia	National	2016
Academic Award (Silver Medal)	Development and Characterization of Soap Formulation from Cooking Oil. International Engineering Invention & Innovation Exhibition (i-INVEX) 2015. 17-19 April 2015	Ministry of Education	International	2015
Academic Award (Silver Medal)	Development and Characterization of Soap Formulation from Cooking Oil. Invention, Innovation & Design Exposition 2015.27-30 April 2015	UiTM	National	2015
Academic Award (Gold Medal)	Development and Characterization	MOSTI and UiTM	International	2015

	of Soap Formulation from Cooking Oil. Research Innovation Symposium Exposition 2015. 15-16 November 2015			
Award of Appreciation	Outstanding Service Award (Anugerah Perkhidmatan Cemerlang)	Universiti Putra Malaysia	University	2016
Academic Award (Certificate)	Outstanding Contribution in Reviewing	Industrial Crops & Products(Elsevier)	International	2016
Academic award (Bronze Medal)	Oil palm (<i>Elaeis guineensis</i>) leaves extract as a natural sunscreen and skin lightening agent for topical application. 27th International Invention & Innovation Exhibition (ITEX)	Malaysian Invention and design society (MINDS)	International	2016
Academic Award (Certificate of Appreciation)	Msc Student graduated on Time (GOT)	School of Graduate Studies, Universiti Putra Malaysia	Universiti	2016
Academic Award-Bronze Medal	International Conference and Exposition on Inventions by Institutions of Higher Learning	Ministry of Higher Learning	International	2015

	(PECIPTA 2015)			
Academic Award-Gold Medal	Pameran Rekacipta Penyelidikan dan Inovasi (PRPI), UPM	Universiti Putra Malaysia	University	2014
Academic Award: Silver Medal	Malaysia Agricultural Innovation Challenge (MAGIC)	MARDI, Malaysia	National	2014
Academic Award: BioInnovation Award: Bronze Medal	Biotechnology Asia Convention	Malaysian Association of Research Scientists (MARS)	International	2014
Academic Award	Researcher of the Year	EMTECH Group, UPM	University	2010
Academic Award	Dean Gold Medal Award	Faculty of Science, Universiti Putra Malaysia	Faculty	2010
Academic Award	The Best PhD Student for Department of Chemistry	Faculty of Science, Universiti Putra Malaysia	Faculty	2010
Bronze Medal	Malaysia Technology Expo(MTE)-	Malaysian Association of Research Scientists (MARS)	International	2010
Silver Medal	The World Exhibition on Innovation, Research and New Technologies (INNOVA) Brussels, Belgium	Brussel, Belgium	International	2010
Silver Medal	Pameran Rekacipta Penyelidikan dan Inovasi (PRPI), UPM-	Universiti Putra Malaysia	University	2009

	Graduate Research Fellowship	UPM	University	2004-2007
Non-Academic Awards	Projek Komuniti Berimpak Tinggi	UPM	University	2016
Awards of Merit	Outstanding Service Award	UPM	University	2016

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	<p>1) Izzati Khalidah, Nor Fadzillah Mohd Mokhtar and Siti Salwa Abd Gani. Coriolis Force In A Nanofluid Layer In The Presence Of Soret Effect. <i>2nd International Conference and Workshop on Mathematical Analysis 2016</i>, AIP conf proceeding. 1750: 020004-1 – 020004-8 (2016)</p> <p>2) Nurul Hafizah Zainal Abidin, Nor Fadzillah Mohd Mokhtar, Izzati Khalidah Khalid, Rosleela Abdul Rahim and Siti Salwa Abd Gani. Stability Control in a Binary Fluid Mixture Subjected to Cross Diffusive Coefficients. <i>International Journal on Advanced Science, Engineering, Information and Technology</i>. Article in press (2017).</p> <p>3) Nor Fadzillah Mohd Mokhtar and Siti Salwa Abd Gani. Convection on Binary Fluid with Cross Diffusive Coefficients and Vertical Magnetic Field. AIP Conf. Proc.: <i>International Conference on Mathematics, Engineering and Industrial Applications</i>. 1775: 030048-1 – 030048-8 (2016).</p> <p>4) Siti Salwa Abd Gani, Majella E Lane, Rabiatul Adawiah Ramli, Mahiran Basri and Nor Fadzillah Mohd Mokhtar. Effect of Octyl Salicylate With Respect To the Physical Appearance of Mono/Di Caprylic and Capric Fatty Acids Formulations. <i>Journal of Pharmaceutical Research</i>. 1(1):1-5 (2016).</p> <p>5) Nor Zuliana Yusof, Siti Salwa Abd Gani, And Zafarizal Aldrin Azizul Hasan. Potential Uses Of Oil Palm (<i>Elaeis Guineensis</i>) Leaf Extract In Topical Application. <i>Journal Of Oil Palm Research</i>. Article in Press (2016). (Q4, ISI & SCOPUS, IF (2015): 0.544)</p> <p>6) Nor Fadzillah Mohd Mokhtar Nor Azah Abdul Aziz and Siti Salwa Abd Gani. Investigation on coupled convection with internal heating in micropolar fluid. <i>Advances and Applications in Fluid Mechanics</i>. 19/3 (4),707-723 (2016) (SCOPUS)</p> <p>7) Azila Abdul Karim, Azrina Azlan, Amin Ismail, Puziah Hashim, Siti Salwa Abd Gani, Badrul Hisyam Zainudin</p>
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	<p>and Nur Azilah Abdullah. Efficacy of cocoa pod extract as antiwrinkle gel on human skin surface. <i>Journal of Cosmetic Dermatology</i>. Article in press. (2016). (Q4, ISI & SCOPUS, IF (2014): 0.876)</p> <p>8) Norazlin Mat Husin, Mahiran Basri, Puziah Hashim, Siti Salwa Abd Gani. Improved properties of lipstick formulation with engkabang fats. <i>Asian journal of Pharmaceutics</i>. 9 (2): 125-128 (2015). (SCOPUS)</p> <p>9) Norsuhaili Kamairudin, Siti Salwa Abd Gani*, Hamid Reza Fard Masoumi, Mahiran Basri, Puziah Hashim, Norfadzillah Mohd Mokhtar and Majella E Lane. Modeling of a Natural Lipstick Formulation using an Artificial Neural Network. <i>RSC Advances</i>. 5, 68632–68638 (2015). (Q1, ISI & SCOPUS, IF (2014): 3.84)</p> <p>10) Nur Izzati Mohamad Zen, Siti Salwa Abd Gani*, Rosnah Shamsuddin and Hamid Reza Fard Masoumi. The Use of D-Optimal Mixture Design in Optimizing Development of Okara Tablet Formulation as a Dietary Supplement. <i>The Scientific World Journal</i>. Article ID 684319, http://dx.doi.org/10.1155/2015/684319 (2015). (Q2, ISI & SCOPUS, IF (2013): 1.219)</p> <p>11) Siti Husnaa Mohd Taib, Siti Salwa Abd Gani*, Mohamad Zaki Ab Rahman, Mahiran Basri, Amin Ismail and Rosnah Shamsudin. Formulation and process optimizations of nano-cosmeceuticals containing purified swiftlet nest <i>RSC Advances</i>. 5: 42322–42328 (2015). (Q1, ISI & SCOPUS, IF (2014): 3.84)</p> <p>12) Siti Salwa Abd Gani*, Norsuhaili Kamairudin and Rawaida Liyana Razalli. Phase Behaviour Study of Pitaya Seed Oil: Jojoba Oil with Non-Ionic Surfactants in Emulsion System. <i>Asian Journal of Chemistry</i>. 27(9):3452-3456 (2015). (Q4, ISI & SCOPUS, IF (2013):0.355)</p> <p>13) Siti Salwa Abd Gani* and Siti Zulaika Adisah. Phase Behaviour Study Of Swiftlet Nest Using Virgin Coconut Oil With Non-Ionic Surfactants. <i>Malaysian Journal of Analytical Sciences</i>. 19(1):184-193 (2015). (SCOPUS)</p> <p>14) Farrah Payyadhah Borhan, Siti Salwa Abd Gani*, and Rosnah Shamsuddin. The Use of D-Optimal Mixture Design in Optimising Okara Soap Formulation for Stratum Corneum Application. <i>The Scientific World Journal</i>. Article ID 173979. http://dx.doi.org/10.1155/2014/173979 (2014). (Q2, ISI & SCOPUS, IF (2013): 1.219)</p> <p>15) Norsuhaili Kamairudin , Siti Salwa Abd Gani*, Hamid Reza Fard Masoumi and Puziah Hashim. Optimization of</p>
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	<p>Natural Lipstick Formulation Based on Pitaya (<i>Hylocereus polyrhizus</i>) Seed Oil Using D-Optimal Mixture Experimental Design. <i>Molecules</i>. 19: 16672-16683 (2014). (Q2, ISI & SCOPUS, IF (2014): 2.416)</p> <p>16) Azila Abdul Karim, Azrina Azlan, Amin Ismail, Puziah Hashim, Siti Salwa Abd Gani, Badrul Hisyam Zainudin and Nur Azilah Abdullah. Phenolic composition, antioxidant, anti-wrinkles and tyrosinase inhibitory activities of cocoa pod extract. <i>BMC Complementary and Alternative Medicine</i>. 14(1):381, doi: 10.1186/1472-6882-14-381 (2014). (Q2, ISI & SCOPUS, IF (2014): 2.020)</p> <p>17) Siti Salwa Abd Gani*, Mahiran Basri, Anuar Kassim, Raja Noor Zaliha Raja Abd Rahman, Abu Bakar Salleh, Zahariah Ismail. Characterization of Encapsulated Titanium Dioxide Using Engkabang Fat Esters For Cosmeceutical Purposes. <i>International Journal of Pharmaceutical, Chemical and Biological Sciences</i>. 4(3): 725-737 (2014).</p> <p>18) Hamid Reza Fard Masoumi, Mahiran Basri, Siti Salwa Abd Gani, Yadollah Abdollahi, Dzulkifli Kuang. Comparison of Estimation Capabilities of the Artificial Neural Network with the Wavelet Neutral Network in Lipase-Catalyzed Synthesis of Triethanolamine-Based Esterquats Cation Surfactant. <i>Journal of Surfactants and Detergents</i>. In press, DOI 10.1007/s11743-013-1539-0 (2013). (Q2, ISI & SCOPUS, IF (2013): 1.352)</p> <p>19) Nur Nadiah Abdul Rasyid, Intan Safinar Ismail, Siti Salwa Abd Gani, Faujan Ahmad. Phase Behaviour of Ternary System: Soybean Oil/Non-Ionic Surfactants/Deionized Water. <i>Asian Journal of Chemistry</i>. 25(9): 4929-4931 (2013). (Q4, ISI & SCOPUS, IF (2013):0.355)</p> <p>20) Hamid Reza Fard Masoumi, Mahiran Basri, Siti Salwa Abd Gani, Yadollah Abdollahi, Dzulkifli Kuang, Malahat Razaei. Optimization of process parameters for lipase-catalyzed synthesis of esteramines-based esterquats using wavelet neural network (WNN) in 2-liter bioreactor. <i>Journal of Industrial and Engineering Chemistry</i>. In press, http://dx.doi.org/10.1016/j.jiec.2013.09.019 (2013). (Q2, ISI & SCOPUS, IF (2013): 2.063)</p> <p>21) Hamid Reza Fard Masoumi, Mahiran Basri, Anuar Kassim, Dzulkefly Kuang Abdullah, Yadollah Abdollahi, Siti Salwa Abd Gani, and Malahat Rezaee. Statistical Optimization of Process Parameters for Lipase-Catalyzed Synthesis of Triethanolamine-Based Esterquats</p>
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	<p>Using Response Surface Methodology in 2-Liter Bioreactor. <i>The Scientific World Journal</i>. In press, http://dx.doi.org/10.1155/2013/962083 (2013). (Q2, ISI & SCOPUS, IF (2013): 1.219)</p> <p>22) Syafinaz Zainol, Mahiran Basri, Hamidon Basri, Ahmad Fuad Shamsuddin, Siti Salwa Abd Gani, Roghayeh Abedi Karjiban, Emilia Abdul Malek. Formulation Optimization of a Palm-based nanoemulsion System Containing Levodopa. <i>International Journal of Molecular Sciences</i>. 13(10): 13049-13064 (2012). (Q2, ISI & SCOPUS, IF (2012): 2.464)</p> <p>23) Rozainita Rosley, Mahiran Basri, Siti Salwa Abd Gani, Emilia Abdulmalek, Abu Bakar Salleh, Raja Noor Zaliha Raja Abd Rahman, Siti Shapor Siraj. Enzymatic esterification of river catfish (<i>Mystus nemurus</i>) fatty acids to enrich ω-3 polysaturated fatty acids. <i>Asian Journal of Chemistry</i>. 24(6):2679-2684 (2012). (Q4, ISI & SCOPUS, IF (2012): 0.253)</p> <p>24) Siti Salwa Abd Gani*, Mahiran Basri, Anuar Kassim, Raja Noor Zaliha Raja Abd Rahman, Abu Bakar Salleh, Zahariah Ismail. Engkabang fat esters for cosmeceutical formulation. <i>Journal of Surfactants and Detergents</i>. 14: 227-233 (2011). (Q2, ISI & SCOPUS, IF (2011): 1.545)</p> <p>25) Siti Salwa Abd Gani*, Mahiran Basri, Anuar Kassim, Raja Noor Zaliha Raja Abd Rahman, Abu Bakar Salleh, Zahariah Ismail. Engkabang fat as a base in preparing encapsulated titanium dioxide for cosmetics purpose. <i>Asian Journal of Chemistry</i>. 23(1):380-384(2011). (Q4, ISI & SCOPUS, IF (2011): 0.266)</p> <p>26) Siti Salwa Abd Gani*, Mahiran Basri, Anuar Kassim, Raja Noor Zaliha Raja Abd Rahman, Abu Bakar Salleh, Zahariah Ismail. Characterization and effect on skin hydration of engkabang-based emulsions. <i>Bioscience Biotechnology and Biochemistry</i>. 74(6): 1188-1193 (2010). (Q2, ISI & SCOPUS, IF (2010): 1.292)</p> <p>27) Siti Salwa Abd Gani*, Mahiran Basri, Anuar Kassim, Abu Bakar Salleh, Raja Noor Zaliha Raja Abd Rahman, Zahariah Ismail. Phase behavior of engkabang fat with nonionic surfactants. <i>Tenside Surfactants Detergents</i>. 46(4):195-198 (2009). (Q4, ISI & SCOPUS, IF (2009): 0.329)</p>
<i>Books/Monographs</i>	-
<i>Chapter in book</i>	-

<p><i>Proceedings</i></p>	<ol style="list-style-type: none"> 1. Siti Salwa Abd Gani, Mahiran Basri, Majella E Lane. Effect of Octyl Salicylate with respect to the physical appearance of mono/di capric and caprylic fatty acids Formulations. International Conference on Pharmaceutical Chemistry. Frankfurt, Germany. 5-7 September 2016. 2. Siti Salwa Abd Gani, Mahiran Basri, Anuar Kassim, Raja Noor Zaliha Raja Abd Rahman, Abu Bakar Salleh, Zahariah Ismail. Characterization of Encapsulated Titanium Dioxide Using Engkabang Fat Esters for Cosmeceutical Industry. 44th World Chemistry Congress. Organizer: Turkish Chemical Society and IUPAC (International Union of Pure and Applied Chemistry). Istanbul, Turkey. 11-16 August 2013. 3. Siti Salwa Abd Gani. Stratum Corneum VII, Skin Forum. Organizer: International Society for Stratum Corneum Research. Cardiff, United Kingdom. 10-12 September 2012. 4. Mahiran Basri, Siti Salwa Abd Gani, Nur Fariza Abdul Rahman, Mohd Basyaruddin Abdul Rahman, Anuar Kassim, Raja Noor Zaliha Raja Abd Rahman, Abu Bakar Salleh, Zahariah Ismail. Nano-engkabang formulations for cosmeceutical application. Malaysia Agriculture, Horticulture and Agrotourism International Show 2010 (MAHA International 2010). MARDI, Serdang, Selangor, Malaysia. 26 November-5 Disember 2010. 5. Siti Salwa Abd Gani, Mahiran Basri, Nur Fariza Abdul Rahman, Mohd Basyaruddin Abdul Rahman, Anuar Kassim, Raja Noor Zaliha Raja Abd Rahman, Abu Bakar Salleh, Zahariah Ismail. Nano-engkabang formulations for cosmeceutical application. The World Exhibition on Innovation, Research and New Technologies (INNOVA). Brussels, Belgium. 18-20 November 2010. (Silver Medal) 6. Siti Salwa Abd Gani, Mohd Rezuwan Shah Zakaria, Mahiran Basri, Chong Kah Huong, Mohd Basyaruddin Abdul Rahman, Anuar Kassim, Raja Noor Zaliha Raja Abd Rahman, Abu Bakar Salleh, Zahariah Ismail. Effect of formation techniques on the particle size of cosmeceutical emulsions. Malaysia Science and Technology Congress. Kuala Lumpur, Malaysia. 9-11 Nov 2010.
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	<p>7. Mahiran Basri, Siti Salwa Abd Gani, Mohd Basyaruddin Abdul Rahman, Anuar Kassim, Raja Noor Zaliha Raja Abd Rahman, Abu Bakar Salleh, Zahariah Ismail. Nano-engkabang formulations for cosmeceutical application. Malaysia Technology Expo. Putra World Trade Centre, Kuala Lumpur, Malaysia. 4-6 February 2010. (Bronze Medal)</p> <p>8. Siti Salwa Abd Gani, Mahiran Basri, Mohd Basyaruddin Abdul Rahman, Anuar Kassim, Raja Noor Zaliha Raja Abd Rahman, Abu Bakar Salleh, Zahariah Ismail. Nano-engkabang formulations for excellent skin hydration. Pameran Reka Cipta, Penyelidikan & Inovasi (PRPI 09). Pusat Kebudayaan dan Kesenian Sultan Abdul Aziz Shah, Universiti Putra Malaysia, Selangor, Malaysia. 28 July 2009. (Silver Medal)</p> <p>9. Siti Salwa Abd Gani, Mahiran Basri, Mohd Basyaruddin Abdul Rahman, Anuar Kassim, Raja Noor Zaliha Raja Abd Rahman, Abu Bakar Salleh, Zahariah Ismail. Phase Behavior Study of Engkabang Fat and Engkabang Wax Ester using nonionic Surfactant. International Conference for Young Chemist. Universiti Sains Malaysia, Penang, Malaysia. 16-21 June 2008.</p>
<i>Other publications</i> <i>Patent Pending</i>	<p>1. Siti Salwa Abd Gani, Hasmah Bidin, Mahiran Basri, Emilia Abd. Malek. Cosmeceutical Formulation, Use Thereof and Method of Preparation Thereof. Malaysia Patent Filing. PI2014702545 (2014).</p> <p>2. Mahiran Basri, Siti Salwa Abd Gani, Anuar Kassim, Abu Bakar Salleh, Mohd Basyaruddin Abdul Rahman, Raja Noor Zaliha Raja Abd Rahman, Zahariah Ismail. A topical applied formulation containing illipe fat and/or ester and a method producing the same. PI 20091192 (2009)</p> <p>3. Mahiran Basri, Siti Salwa Abd Gani, Nur Fariza Abdul Rahman, Abu Bakar Salleh, Mohd Basyaruddin Abdul Rahman, Raja Noor Zaliha Raja Abd Rahman. An emulsion system derives from engkabang fat esters. PI 20092650 (2009)</p>

	4. Mahiran Basri, Siti Salwa Abd Gani , Nur Fariza Abd Rahman, Abu Bakar Salleh, Mohm Basyaruddin Abd Rahman, Raja Noor Zaliha Raja Abdul. Emulsion system derived from engkabang fat esters. US Patent (US8598236 B2) (2013)
<i>Computer software</i>	-

H. PROJEK PENYELIDIKAN TERDAHULU(Past Research Project)					
<i>Project No.</i>	<i>Project Title</i>	<i>Role</i>	<i>Year</i>	<i>Source of fund</i>	<i>Status</i>
6232200	Profiling of Fatty Acid Methyl Esters (FAME) in Plant and Animal Oil Origin by using GCFID	Project leader	9 th November 2016- 9 th November 2017	Jabatan Kemajuan Islam Malaysia (JAKIM) RM225 000	On going
9464500	PUTRA Grant IPS UPM: Optimization and Characterization of Pitaya Seed Oil Esters via Enzymatic Esterification for Cosmeceutical Application	Project leader	1 st December 2015-1 st December 2017	UPM	On going
9457300	PUTRA Grant IPS UPM: Development and Optimization of Organic Curcuma Zedoaria Based Nano- cosmeceuticals for Skin Care Applications	Project leader	1st Oct 2015-1st Oct 2017	UPM	Completed
9405500	Geran UPM- Formation and Characterizations of Halal Lips Products from Hylocereus Polyrhizus	Project leader	2013- Oct 2015	UPM	Completed

9361000	RUGS- Formulation Optimization of Swiftlet Nest Based Nano- Cosmeceuticals	Project leader	2012- 2014	UPM	Completed
9199851	RUGS- Development of Pitaya Seed-Based Nano- Cosmeceutical Formulation	Project leader	2011- 2013	UPM	Completed
	RUGS- Developing Palm Based Nanocosmeceutical	member	2011- 2013	UPM	Completed