RESUME (CURRICULUM VITAE)



ASSOCIATE PROFESSOR DR SITI SALWA ABD. GANI

PERSONAL DETAILS

NAME	Siti Salwa binti Abd Gani			
FIELD OF EXPERT	Agriculture Product Development, Oleochemistry,			
	Formulation Science,			
CONTACT NO	+603-89468557 (Office) +6018-2207533(h/p)			
POSITION	a) Associate Professor/Associate Researcher			
	1. Department of Agriculture Technology, Faculty			
	of Agriculture, UPM			
	2. Halal Products Research Institute, UPM			
	b) Deputy Director			
	Cocuriculum and Student Development Centre,			
	UPM (since August 2016)			
EMPLOYER	Universiti Putra Malaysia (UPM)			
START WORKING	1 st October 2010			
DATE APPOINTED AS	1 st June 2016			
ASSOCIATE				
PROFESSOR				
STAF'S NUMBER	A03764			
EMAIL ADDRESS	ssalwaag@upm.edu.my, ssalwa.abdgani@gmail.com			
NATIONALITY	Malaysian			

REGION	Malay
RELIGION	Islam

EDUCATION QUALIFICATIONS

Year	School/University	Qualification
2003	Matrikulasi Sains, Kementerian Pelajaran Malaysia	Matriculation certificate
2003-2007	Department of Chemistry, Faculty of Science, Universiti Putra Malaysia	Bachelor of Science with Education (Hons.)-Chemistry
2007-2010	Department of Chemistry, Faculty of Science, Universiti Putra Malaysia	Doctor of Philosophy (Oleochemistry) Title: Formation and Characteristics of Engkabang- based Nano Cosmeceuticals
2012	UCL School of Pharmacy, University College London, United Kingdom (Skin Laboratory)	Postdoctoral Fellowship (Formulation Science) Title: Effect of Octyl Salicylate with Respect to the Physical Appearance of Mono/Di Capric and Caprylic Fatty Acids Formulations

ADMINISTRATIVE RESPONSIBILITY

No	Organization	Position	Date/Year
1	Co-curriculum and Student	Deputy Director	22 nd August 2016-
	Development Centre,		present
	Universiti Putra Malaysia		
2	Centre of Foundation Studies	Coordinator for	January-April 2016
	for Agricultural Science,	Organic Chemistry	
	Universiti Putra Malaysia	(ASC0303)	
3	Centre of Foundation Studies	Head of Chemistry	December 2010-
	for Agricultural Science,	Unit	December 2011
	Universiti Putra Malaysia		
4	Universiti Putra Malaysia	University	1 April 2011-31 st
		evaluation panel for	March 2012
		UPM courses	
		(COPPA)	

HONOURS AND AWARDS

Name of	Title	Award	Award Type/	Year
awards		Authority/Venue	Level	
Community	Projek Komuniti	Universiti Putra	University	2017
Award	Berimpak Tinggi	Malaysia		
(Certificate of	2016 : Masih Ada			
Appreciation)	yang Sayang			
Academic	MSc Student:	Universiti Putra	University	2016
Award	Norsuhaili	Malaysia		
(certificate of	Kamairudin			
Appreciation)	graduated on time			
	(GOT)			
Academic	Optimization of	Universiti Putra	University	2016
Award (Silver	Natural Lipstick	Malaysia		
Medal)	Formulation			
	Based on Pitaya			
	(Hylocereus			
	polyrhizus) Seed			
	Oil Using D-			
	Optimal Mixture			
	Experimental			
	Design. Pameran			

	Rekacipta Penyelidikan dan Inovasi (PRPI)			
Academic	Formulation and	Universiti Putra	University	2016
Award (Silver	Process	Malaysia		
Medal)	Optimizations of			
	Nano-			
	Cosmeceuticals			
	Containing			
	Purified Swiftlet			
	Nest. Pameran			
	Rekacipta			
	Penyelidikan dan			
	Inovasi (PRPI)			
Academic	Oil Palm (Elaies	Universiti Sains	National	2016
Award	guineensis) Leaf	Islam Malaysia		
(Bronze	Extract as Active			
Medal)	Ingredient			
	for Topical			
	Application.			
	Ekspo Inovasi			
	Islam (i-INOVA)			
Academic	Grange WCO-	Perda Mall,	International	2016
Award (Gold	Skin Cream.	Penang, Malaysia		
Medal)	Malaysia			
	international			
	Young Inventors			
	Olympiad			
Academic	Himalayan Salts	Universiti	International	2016
Award (Gold	as Dermatitis	Malaysia Perlis		
Medal)	Soap (HSDS).			
	International			
	Engineering,			
	Invention dan			
	Innovation			
	Exhibition (I-			
<u> </u>	ENVEX 2016)			
Academic	Grange WCO-	Universiti	International	2016
Award (Silver	Skin Cream.	Malaysia Perlis		
Medal)	International			

Academic Award (Gold Medal and Special Award)	Engineering, Invention dan Innovation Exhibition (I- ENVEX 2016) 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
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 (Elaies guineensis) leaves extract as a natural sunscreen and skin lightening agent for topical application. 27th International	Malaysian Invention and design society (MINDS)	International	2016

	Invention & Innovation Exhibition (ITEX)			
Academic Award (Certificate of Appreciation)	Msc Student graduated on Time (GOT)	SchoolofGraduateStudies,UniversitiPutraMalaysia	Universiti	2016
Academic Award (Certificate)	Certificate of Reviewing	Industrial Crops & Products(Elsevier)	International	2015
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 of Soap Formulation from Cooking Oil. Research	MOSTI and UiTM	International	2015

	Innovation Symposium Exposition 2015. 15-16 November 2015			
Academic award (Bronze Medal)	Naga Essence for Cosmeceutical Industry. International Conference and Exposition on Inventions by Institutional of Higher Learning (PECIPTA) 4-6 December 2015	Ministry of Education and UPSI	International	2015
2nd Winner of Poster Competition	Potential use of OPLE in topical application. International Palm Oil Congress and Exhibition (6-8 October 2015)	Malaysia Palm Oil Board	International	2015
Certificate of Appreciation	Outstanding Service Award	Universiti Putra Malaysia	University	2014
Press Conference	Putra Cipta siri 2/2015	Universiti Putra Malaysia	National	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)	Malaysian Agricultural Research and Development Institute (MARDI),	National	2014

		Malaysia		
Academic	Biotechnology	Malaysian	International	2014
Award	Asia Convention	Association of		
(BioInnovation		Research		
Award-		Scientists		
Bronze Medal)		(MARS) and		
		PROTEMP Group		
Top 5 of The	5 th World Halal	Halal Industry	International	2012
Best Poster	Research Summit	Development		
		Corporation		
Certificate of	Outstanding	Centre of	Centre	2012
Appreciation	Teaching Award	Foundation		
11	C	Studies for		
		Agricultural		
		Science,		
		Universiti Putra		
		Malaysia		
Certificate of	Outstanding	Universiti Putra	University	2012
Appreciation	Service Award	Malaysia	5	
Academic	Researcher of the	EMTECH Group,	University	2010
Award	Year	UPM	2	
Academic	Seminar Kimia	Fakulti Sains,	University	2010
Award (The	Industri XIV	Universiti Putra	-	
Best Poster)		Malaysia		
Academic	Anugerah Pelajar	Faculty of	Faculty	2010
Award, PhD	Cemerlang	Science,	2	
(Dean Gold	(For	Universiti Putra		
Medal Award)	Postgraduate)	Malaysia		
Academic	Anugerah Pelajar	Faculty of	Faculty	2010
Award, PhD	Cemerlang (For	Science,	5	
(The Best PhD	Postgraduate)	Universiti Putra		
Student for	C ,	Malaysia		
Department of		5		
Chemistry)				
Academic	Malaysia	Malaysian	International	2010
Award	Technology	Association of		-
(Bronze	Expo(MTE)-	Research		
Medal)	I \ /	Scientists		
,		(MARS)		
		× /		

Award	Exhibition on				
(Silver Medal)	Innovation,				
	Research and				
	New				
	Technologies				
	(INNOVA)				
Academic	Pameran	Universiti	Putra	University	2009
Award	Rekacipta	Malaysia			
(Silver Medal)	Penyelidikan dan				
	Inovasi (PRPI),				
	UPM				

PROFESSIONAL MEMBERSHIP

Organization	Position	Start Date	End Date	Expertise
Malaysian Examinations	Assessor	2017	2017	STPM:
Council				Chemistry
Malaysian Examinations	Assessor	2016	2016	STPM:
Council				Chemistry
Malaysian Examinations	Examiner	2016	2016	STPM:
Council				Chemistry
The Malaysian Institute	Member	2016	present	*Cosmeceuticals
of Chemistry				*Formulation
				Science
				*Oleochemistry
				*Nanodelivery
Cosmeceuticals Science	Principle	2014	present	*Cosmeceuticals
Research Group (CSR),				*Formulation
UPM				Science
				*Oleochemistry
				*Nanodelivery
Matriculation Division,	Examiner	2013	present	Chemistry
Ministry of Education				
International Society for	Member	2012	2013	*Cosmeceuticals
Stratum Corneum				*Formulation

Research				Science *Oleochemistry *Nanodelivery
Halal Product Research Institute, Universiti Putra Malaysia	Associate Researcher	February 2011	present	*Cosmeceuticals *Formulation Science *Oleochemistry *Nanodelivery
Nanodelivery Research Group	Associate Researcher	2007	2012	*Cosmeceuticals *Formulation Science *Oleochemistry *Nanodelivery

COMMUNITY SERVICES (Industrial and Community Networking)

No	Organization/Programme	Position	Date/Year
1	Program Asper Care 1.0 2017	AJK	22 April 2017
	Rumah Pengasih Warga Perihatin, Kg	Perhubungan	
	Sungai Ramal Dalam, Bangi, Selangor	dan Komunikasi	
2	Program Jelajah Anak UPM (Bakti	PKPP	22-23 April
	Siswa) Kg Rincing Hilir, Bangi, selangor	Representative	2017
3	Moments of unity (Detik-detik	UPM	2017
	perpaduan)	Representative	
4	Kurus Kepimpinan Kewangan. (Mekanik	Advisor	10-12 May
	Wang)		2017
	Dengan kerjasama Now Asia		
	International Sdn Bhd		
5	Varsity Intensive Bussiness Exposure	Director of	2017
	(VIBE)	Programme	
6	Seminar Kemahiran Insaniah	Advisor	2016
	Kebangsaan		
7	Putra Satria, Port Dickson		2016
8	Rumah Anak Yatim dan Asnaf As-	Director of	30 April 2016
	Solihin, Jalan Kanchong Darat, Banting	Programme	
	Charity Programme: Masih Ada Yang		
	Sayang		

9	Rumah Anak Yatim dan Asnaf As-	Director of	May 2016-
	Solihin, Jalan Kanchong Darat, Banting	Programme	present
	Academic Programme: Towards		
	Excellence		
10	Persatuan Jaringan Industri dan	Member	2015-present
	Masyarakat, Pusat Asasi sains Pertanian		
11	Pertubuhan Kebajikan Amal Rukaiyah	Member	2016-present
	(Rumah Anak Yatim), Sg Merab Luar,		
	Selangor		
12	Persatuan Pegawai Akademik UPM	Member	2015-present
13	Persatuan Staf Jabatan Kimia, Fakulti	Member	2015-present
	Sains , UPM		
14	PERMATA UPM	Member	2014-present
15	Persatuan Kanser Network Selangor dan	Member	2013-present
	Wilayah Persekutuan (KanWork)	/Volunteer	
16	Persatuan penduduk Impiana residence	Member	2011-present
17	Persatuan Kebajikan Staf Pusat Asasi	Member	2010-present
	Sains Pertanian		
18	Persatuan ALUMNI UPM	Member	2010-present
			-

PROFESSIONAL SERVICES

1. Reviewer No Title Position Date/Year Industrial Crops and Products: Differential 2016 1 Reviewer anti-proliferative effect on K562 leukemia cells of Lippia alba (Verbenaceae) essential oils produced under diverse growing, collection, and extraction conditions 2 Industrial Crops and Products: Kinetic Reviewer 2016 Studies on Extraction of Essential Oil from Sandalwood (Santalum album) by Microwave Air-Hydrodistillation Method Food Chemistry: Isotopic ratio analysis of 3 Reviewer 2016 cattle tail hair: A potential tool in building the database for cow milk geographical traceability Food Chemistry: Comparison of 4 2016 Reviewer Phytochemical Profiles, Antioxidant and Cellular Antioxidant Activities in Different

	Mariatian of Dhash arms (Massimizer		
	Varieties of Blueberry (Vaccinium		
5	Spp) Eagl Chamistry: Properties of Advertian	Reviewer	2016
5	Food Chemistry: Properties of Adsorption of Vitamin B12 on Nanoclay as a Versatile	Keviewei	2010
	Carrier		
6	Industrial Crops and Products: Seasonal	Reviewer	2016
U	variation affects the composition and		2010
	antibacterial and		
	antioxidant activities of Thymus vulgaris		
7	Food Chemistry: Single-step purification	Reviewer	2016
	and characterization of an extreme		
	halophilic, ethanol tolerant and acidophilic		
	xylanase from Aureobasidium		
	pullulans Y-2311-1 with application		
	potential in food industry		
8	Food Chemistry: Structural characterization	Reviewer	2016
	and physicochemical properties of protein		
	extracted from soybean meal assisted by		
	steam flashexplosion with dilute acid		
	soaking		
9	Food Chemistry: Effect of extraction	Reviewer	2016
	temperature on composition, structure and		
10	functional properties of flaxseed gum	Derrierren	2016
10	Food Chemistry: Identification of peptides	Reviewer	2016
	in wheat germ hydrolysate that demonstrate calmodulindependent protein kinase		
	II inhibitory activity		
11	Industrial Crops and Products: Variations	Reviewer	2016
	in essential oil yield, composition, and		2010
	antioxidant activity of different tissues		
	from Blumea balsamifera (L.) DC. at		
	different time of growth time		
12	Industrial Crops and Products:	Reviewer	2016
	Investigation of Antioxidant Capacity		
	Variation in the Oregano (Origanum		
	vulgare L.) Collection of the		
	German National Genebank		
13	Industrial Crops and Products: Ocimum	Reviewer	2016
	sanctum Linn .: A comprehensive study on		
	its chemical constituents and their		
	pharmacological activities		
14	AAPS PharmSciTech: Improved Solubility	Reviewer	2016
	and dissolution rate of indomethacin by		
	self-emulsified solid dispersion (SESD)		
	approach		

Cocoa	Journal of Agricultural Sciences: Livelihood, Damages and Losses Value Chain in South-Western States eria	Reviewer	2016
resolut the res	ial Crops and Products: Fast High ion Orbitrap MS fingerprinting of in of H. taltalense Phil. from the na Desert	Reviewer	2016
and Or Ricinu	tial Crops and Products: Synthesis otimization of Hevea brasiliensis and s communis as Feedstock for sel Production: A Comparative	Reviewer	2015
compo hemoly activiti	es of essential oil from Baccharis is (Lam.) Pers.	Reviewer	2015
19 Advan	ces in Crop Science and Technology	Reviewer Board	2015
of Mel	ial Crops and Products: Evaluation issa officinalis varieties based on orphology, yield and active ents	Reviewer	2015
propag quantif (L.) Ra	ial Crops and Products: In vitro ation and anthraquinone fication in Gynochthodes umbellata izafim. & B. Bremer (Rubiaceae) - A elding plant	Reviewer	2015
Equipr methoo produc	hnology & Biotechnological nent: Response surface dological approach for optimizing tion of geranyl propionate catalyzed oon nanotubes nanobioconjugates	Reviewer	2015
23 British Antage Associ Some S	Journal of Pharmaceutical Research: onistic Activities of Microorganisms ated with Indigenous Black Soap on Selected Skin Pathogens	Reviewer	2015
of xant rheolog	tional Food Research Journal: Role han gum on physicochemical and gical properties of rice bran oil nulsion	Reviewer	2015

25	Journal of Human Nutrition & Food	Reviewer	2015
	Science : Physical and Chemical		
	Characteristics of the African Bush Mango		
	(Irvingia Gabonensis Var Garbonensis)		
	Seed Oil		
26	Journal of Analytical and Pharmaceutical	Reviewer	2014
	Chemistry: A simple colorimetric screening		
	of nitrite using iodide in an acidic pH		
	solution		
27	Advances in Crop Sciences And	Reviewer	2014
	Technology: Response of		
	Improved Durum Wheat (Triticum Durum		
	L.) Varieties To Wheat Stem Rust In		
	Central		
	Ethiopia		
28	ASEAN Journal on Science and	Reviewer	2014
	Technology for Development: Fabrication,		
	Rheology and Antioxidant Activity of Palm		
	Esters-based Nanoemulsions Loaded with		
	Tocotrienol		

Ζ.	2. Examiner/Assessor (Not in UPM)			
No	Title	Position	Date/Year	
1	Malaysian Examinations	Examiner for STPM	2016	
	Council	Chemistry Paper 3		
2	Malaysian Examinations	Examiner for STPM	30 th May- 1 st	
	Council	Chemistry Paper 2	June 2016	
3	Malaysian Examinations	Assessor for STPM	$2 \text{ nd} - 6^{\text{th}}$	
	Council	Chemistry Paper 3	August 2016	
4	Matriculation Division, Ministry	Examiner for	Mei 2013	
	of Education	Chemistry Paper		
		(Peperiksaan		
		Semester Program		
		Matrikulasi KPM)		
5	Matriculation Division, Ministry	Examiner for	Mei 2014	
	of Education	Chemistry Paper		
		(Peperiksaan		

2. Examiner/Assessor (Not in UPM)

		Semester Program	
		Matrikulasi KPM)	
6	Matriculation Division, Ministry	Examiner for	December
	of Education	Chemistry Paper	2014
		(Peperiksaan	
		Semester Program	
		Matrikulasi KPM)	
7	Matriculation Division, Ministry	Examiner for	Mei 2015
	of Education	Chemistry Paper	
		(Peperiksaan	
		Semester Program	
		Matrikulasi KPM)	

3.	Advisor/	Fasilitator
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No	Title	Position	Date/Year
1	Projek M ega KKB	Student activity Advisor	2017
2	Centre of Foundation Studies for Agricultural Science, Universiti Putra Malaysia	Academic Advisor (Group 8)	2016
3	Pusat Permata Pintar Negara, Universiti Kebangsaan Malaysia	Mentor for Student's Research (Syafiqah Syazwani binti Jafar @Jotic	2016-2017
4	Centre of Foundation Studies for Agricultural Science, Universiti Putra Malaysia	Academic Advisor- session 2016/2017	2016
5	Asper Head Start-For Asper's Students	Fasilitator- Session 2016/2017	28 th May 2016
6			
7	Sekolah Berasrama Penuh Rawang, Selangor. Mini Project: Development of Body Soap/scrub using Used Himalaya Salt	Advisor/Supervisor	February- March 2016
8	Starting school: Semester 1(2015/2016)	Facilitator	13 September 2015

9	Starting school: Semester 1 (2015/2016)	Facilitator	23 May 2015
10	Program Menggilap Permata. Centre of Foundation Studies for Agricultural Science, Universiti Putra Malaysia	Facilitator	21-22 Nov 2015
11	 Maktab Rendah Sains Mara (MRSM) Nobel Laureate's Outreach Camp 2015 Mini project: Development of Ginger (<i>Zingiber officinale</i>) based Emulsion for Development of Sugar Cane Development of Sugar Cane (<i>Saccharum officinarum</i> L.) Waste Based Scrub Soap as Exfoliating Agent for Cosmeceutical Application 	Advisor/Supervisor	Ogos 2015
12	Sekolah Berasrama Penuh Rawang, Selangor. Mini Project: Development of Body Soap using Used cooking oil	Advisor/Supervisor	February- March 2015
13	Universiti Malaysia Sabah Industrial training: Nazlinda Ahmad Nazri. Modelling and Optimization of Moisturizing Soap using Artifical Neural Network	Advisor/Supervisor	July - September 2015
14	Centre of Foundation Studies for Agricultural Science, Universiti Putra Malaysia	Academic Advisor	2014
15	Centre of Foundation Studies for Agricultural Science, Universiti Putra Malaysia	Academic Advisor	2013
16	Centre of Foundation Studies for Agricultural Science, Universiti Putra Malaysia	Academic Advisor	2012
17	Centre of Foundation Studies for Agricultural Science, Universiti Putra Malaysia	Academic Advisor	2011
18	Centre of Foundation Studies for Agricultural Science, Universiti Putra Malaysia	Academic Advisor	2010

4.	Others		
No	Title	Position	Date/Year
1	Workshop on Nanodelivery and Nanomedicine Title of Lecture: Bioactive Delivery Systems: Lipid-based nanoparticles. Organizer: Institute of Bioscience, UPM Venue: Institute of Bioscience, UPM	Speaker	17 th May 2016
2	Malaysian Examinations Council	Assessor	2016
3	PRGS Grant Progress Report, Universiti Putra Malaysia	Evaluator	2016
4	Industrial Chemistry Seminar. Venue: Hotel Bangi-Putrajaya	Committee member (companion speaker)	2 nd June 2016
5	Bengkel Pemurnian Module Kimia Tak Organik (ASC0301) 'Go for ISBN'	Committee member (Logistic)	18 th -20 th March 2016
6	Bengkel Pemurnian Module Kimia Tak Organik (ASC0301) 'Go for ISBN'	Editor	18 th -20 th March 2016
7	Putra Grant Progress Report, Universiti Putra Malaysia	Evaluator	2016
8	Malaysia International Conference on Oils and Fats. Organizer: Universiti Kebangsaan Malaysia. Venue : Hotel Bangi-Putrajaya, Malaysia	Chairman for Oral Presentation	20 th -21 st August 2014
9	Putra Grant Progress Report, Universiti Putra Malaysia	Evaluator	2015
10	Centre of Foundation Studies for Agricultural Science, Universiti Putra Malaysia	Reviewer for Final Examination's Question paper and Answer Scheme	2015

COMMITTEE / CONFERENCE MEMBERSHIP

No	Organization/ Conference	Position	Date/Year

1	Centre of Foundation Studies for Agricultural Science, Universiti Putra Malaysia	Committee member: Revision of Questions and Answers for Final Examination	2016
		ASC0302 (fast track)	
2	Halal Products Research Institute, Universiti Putra Malaysia	Evaluator for PRGS Progress report	2016
3	Chemistry Unit, Centre of Foundation Studies for Agricultural Science, Universiti Putra Malaysia	Editor for Organic Chemistry (ASC0303)	2016
4	Chemistry Unit, Centre of Foundation Studies for Agricultural Science, Universiti Putra Malaysia	Editor for Physical Chemistry (ASC0302)	2016
5	Chemistry Unit, Centre of Foundation Studies for Agricultural Science, Universiti Putra Malaysia	Editor for Inorganic Chemistry (ASC0301)	2016
6	Co-curriculum and Student Development Centre, Universiti Putra Malaysia	Deputy Director	19 th August 2016- present
7	PKPPMAG Magzine (Co- curriculum and Student Development Centre, Universiti Putra Malaysia) ISSN:1985-5311, bil: 2/2016	Editor	2016
8	Seminar Kemahiran Insaniah Kebangsaan	Deputy Chair person	12 November 2016
9	Seminar Kimia Industri	Committee member	2016
10	Seminar Research Proposal (SPS5903/SPS6903) 2 nd Semester 2015/2016. Halal Products Research Institite, Universiti Putra Malaysia	Examiner	2 nd June 2016
11	Postgraduate Seminar. Department of Chemistry, Faculty of Science, Universiti Putra Malaysia	Examiner	7 th – 9 th June 2016
12	Workshop on Gas Chromatography Mass	Committee member	25 th -26 th May 2016

	Spectrometer (GCMS) Halal Products Research Institute, Universiti Putra Malaysia		
13	Fundamental Science Congress. Faculty of Science, Universiti Putra Malaysia	Session Chair	9 th -10 th August 2016
14	Fundamental Science Congress. Faculty of Science, Universiti Putra Malaysia	Proposal/Extended Abstract/Presentation Committe	9 th -10 th August 2016
15	Fundamental Science Congress. Faculty of Science, Universiti Putra Malaysia	Chairperson	9 th -10 th August 2016
16	Centre of Foundation Studies for Agricultural Science, Universiti Putra Malaysia	Committee member: Revision of Questions and Answers for Final Examination for Fast Track (Physical Chemistry, ASC0302)	2016
17	Centre of Foundation Studies for Agricultural Science, Universiti Putra Malaysia	Moderator of ASASI Education Fair	2 nd March 2016
18	Centre of Foundation Studies for Agricultural Science, Universiti Putra Malaysia	Committee member: Revision of Questions and Answers for Final Examination (Inorganic Chemistry, ASC0301)	2016
19	Halal Products Research Institute, Universiti Putra Malaysia	Postgraduate Seminar Examiner	21 st December 2015
20	Centre of Foundation Studies for Agricultural Science, Universiti Putra Malaysia	Fire Warden zon 1 (Emergency Response Team)	2015-2017

21	Centre of Foundation Studies	Committee member:	30 June 2015
	for Agricultural Science,	Revision of	
	Universiti Putra Malaysia	Questions and	
	, i i i i i i i i i i i i i i i i i i i	Answers for Final	
		Examination	
		ASC0303	
22	Centre of Foundation Studies	Invigilator For	2015
	for Agricultural Science,	Students'	(ASC0301:Inorganic
	Universiti Putra Malaysia	Examination	Chemistry)
			Sem1
23	Centre of Foundation Studies	Invigilator For	2015
	for Agricultural Science,	Students'	(ASC0302:Physical
	Universiti Putra Malaysia	Examination	Chemistry)
			Fast Track
24	Centre of Foundation Studies	Moderator of ASASI	25th February 2015
	for Agricultural Science,	Education Fair	
	Universiti Putra Malaysia		
25	Centre of Foundation Studies	Safety Committee	April 2013
-	for Agricultural Science,		r
	Universiti Putra Malaysia		
26	Faculty of Science, Universiti	Postgraduate	2015
	Putra Malaysia	Seminar Examiner	
27	Halal Products Research	Postgraduate	2014
	Institute, Universiti Putra	Seminar Examiner	
	Malaysia		
28	Halal Products Research	Postgraduate	2013
	Institute, Universiti Putra	Seminar Examiner	
	Malaysia		
29	Faculty of Science, Universiti	Postgraduate	2015
	Putra Malaysia	Seminar Examiner	
30	Centre of Foundation Studies	Fasilitator for Asasi	2015
	for Agricultural Science,	Starting School	
	Universiti Putra Malaysia		
31	Centre of Foundation Studies	Fire Warden	2015
	for Agricultural Science,	(Emergency	
	Universiti Putra Malaysia	Response Team)	
32	Centre of Foundation Studies	Timetable	April 2013-April
	for Agricultural Science,	Committee	2015
	Universiti Putra Malaysia		

33	Centre of Foundation Studies	Curriculum	April 2013-April
	for Agricultural Science,	Committee	2015
	Universiti Putra Malaysia		
34	Centre of Foundation Studies	Invigilator For	2013
	for Agricultural Science,	Students'	
	Universiti Putra Malaysia	Examination	
35	Faculty of Science, Universiti	Postgraduate	2015
	Putra Malaysia	Seminar Examiner	
36	Centre of Foundation Studies	Icon of ASASI	27 th February 2013
	for Agricultural Science,	Education Fair	
	Universiti Putra Malaysia		
37	Centre of Foundation Studies	Moderator of ASASI	27 th February 2013
	for Agricultural Science,	Education Fair	
	Universiti Putra Malaysia		

RESEARCH GRANTS

No	Grant's Name and	Researchers	Sponsor	Date/Year	Amount
	Project's Title				
1	Projek Kerjasama	Siti Salwa	Jabatan	9 th	RM 225
	JAKIM-UPM:	Abd Gani	Kemajuan	November	000
	Profiling of Fatty		Islam	2016-8 th	
	Acid Methyl Esters		Malaysia	Octobner	
	(FAME) in Plant		(JAKIM)	2017	
	and Animal Oil				
	Origin by using				
	GCFID				
2	PUTRA Grant	Nor	Universiti	1 April	RM 20 000
	Soret and Dufour	Fadzillah	Putra	2016-	
	Effects on the	Mohd	Malaysia	1April	
	Rayieigh-Benard	Mokhtar,		2018	
	Convection in	Siti Salwa			
	nanofluids Layer	Abd Gani,			
	(9481900)	Izzati			
		Khalidah			
		Khalid			
3	PUTRA Grant	Siti Salwa	Universiti	1 st October	RM 20 000
	UPM: Optimization	Abd Gani,	Putra	2015- 1 st	

	and Characterization of Pitaya Seed Oil Esters via Enzymatic Esterification for Cosmeceutical Application	Mahiran Basri, Suhana Mustafa	Malaysia	October 2017	
4	PUTRA Grant UPM: Development and Optimization of Organic Curcuma Zedoaria Based Nano- cosmeceuticals for Skin Care Applications	Siti Salwa Abd Gani, Mahiran Basri, Rabiatul Adawiah Ramli	Universiti Putra Malaysia	1 st October 2015-1 st October 2017	RM 20 000
5	Geran UPM- Formation and Characterizations of Halal Lips Products from <i>Hylocereus</i> <i>polyrhizus</i>	Siti Salwa Abd Gani, Mahiran Basri, Nursuhaili Kamairudin	Universiti Putra Malaysia	1 st November 2013-31 st October 2015	RM48 000
6	RUGS- Developing Palm Based Nanocosmeceutical	Mahiran Basri, Siti Salwa Abd Gani	Universiti Putra Malaysia	1 st November 2011-1 st August 2013	RM152 000
7	RUGS- Production of Pitaya Seed- Based Nano- cosmeceuticals	Siti Salwa Abd Gani, Mahiran Basri, Hasmah Bidin	Universiti Putra Malaysia	15 th April 2011-15 th Jun 2013	RM30 000
8	RUGS- Formulation Optimization of	Siti Salwa Abd Gani , Siti Husnaa	Universiti Putra Malaysia	1 st September 2012-1 st	RM7000

Edible-Nest	Mohd Taib	September	
Swiftlet Nano-		2013	
Cosmeceutical			

PUBLICATIONS AND PATENTS

a) **Publications of Research Article**

- Izzati Khalidah, Nor Fadzillah Mohd Mokhtar and Siti Salwa Abd Gani. Coriolis Force In A Nanofluid Layer In The Presence Of Soret Effect. 2nd International Conference and Workshop on Mathematical Analysis 2016, AIP conf proceeding. 1750: 020004-1 – 020004-8 (2016)
- 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. *International Journal on Advanced Science, Engineering, Information and Technology*. Article in press (2017).
- 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.: International Conference on Mathematics, Engineering and Industrial Applications. 1775: 030048-1 – 030048-8 (2016).
- **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. *Journal of Pharmaceutical Research*. 1(1):1-5 (2016).
- 5) Nor Zuliana Yusof, Siti Salwa Abd Gani, And Zafarizal Aldrin Azizul Hasan. Potential Uses Of Oil Palm (*Elaies Guineensis*) Leaf Extract In Topical Application. *Journal Of Oil Palm Research*. Article in Press (2016). (Q4, ISI & SCOPUS, IF (2015): 0.544)
- 6) Nor Fadzillah Mohd Mokhtar Nor Azah Abdul Aziz and Siti Salwa Abd Gani. Investigation on coupled convection with internal heating in micropolar fluid. *Advances and Applications in Fluid Mechanics*. 19/3 (4),707-723 (2016) (SCOPUS)
- 7) Azila Abdul Karim, Azrina Azlan, Amin Ismail, Puziah Hashim, Siti Salwa Abd Gani, Badrul Hisyam Zainudin and Nur Azilah Abdullah. Efficacy of cocoa pod extract as antiwrinkle gel on human skin surface. *Journal of Cosmetic Dermatology*. Article in press. (2016). (Q4, ISI & SCOPUS, IF (2014): 0.876)
- 8) Norazlin Mat Husin, Mahiran Basri, Puziah Hashim, Siti Salwa Abd Gani. Improved properties of lipstick formulation with engkabang fats. *Asian journal of Pharmaceutics*. 9 (2): 125-128 (2015). (SCOPUS)
- 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. *RSC Advances*. 5, 68632–68638 (2015). (Q1, ISI & SCOPUS, IF (2014): 3.84)

- 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. *The Scientific World Journal*. Article ID 684319, http://dx.doi.org/10.1155/2015/684319 (2015). (Q2, ISI & SCOPUS, IF (2013): 1.219)
- 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 *RSC Advances.* 5: 42322–42328 (2015). (Q1, ISI & SCOPUS, IF (2014): 3.84)
- 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. *Asian Journal of Chemistry*. 27(9):3452-3456 (2015). (Q4, ISI & SCOPUS, IF (2013):0.355)
- 13) Siti Salwa Abd Gani* and Siti Zulaika Adisah. Phase Behaviour Study Of Swiftlet Nest Using Virgin Coconut Oil With Non-Ionic Surfactants. *Malaysian Journal of Analytical Sciences*. 19(1):184-193 (2015). (SCOPUS)
- 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. *The Scientific World Journal*. Article ID 173979. http://dx.doi.org/10.1155/2014/173979 (2014). (Q2, ISI & SCOPUS, IF (2013): 1.219)
- 15) Norsuhaili Kamairudin, Siti Salwa Abd Gani*, Hamid Reza Fard Masoumi and Puziah Hashim. Optimization of Natural Lipstick Formulation Based on Pitaya (Hylocereus polyrhizus) Seed Oil Using D-Optimal Mixture Experimental Design. *Molecules*. 19: 16672-16683 (2014). (Q2, ISI & SCOPUS, IF (2014): 2.416)
- 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. *BMC Complementary and Alternative Medicine*. 14(1):381, doi: 10.1186/1472-6882-14-381 (2014). (Q2, ISI & SCOPUS, IF (2014): 2.020)
- 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. International Journal of Pharmaceutical, Chemical and Biological Sciences. 4(3): 725-737 (2014).

- 18) Hamid Reza Fard Masoumi, Mahiran Basri, Siti Salwa Abd Gani, Yadollah Abdollahi, Dzulkifli Kuang. Comparison of Estimation Capabilities of the Rtificial Neural Network with the Wavelet Neutral Network in Lipase-Catalyzed Synthesis of Triethanolamine-Based Esterquats Cation Surfactant. *Journal of Surfactants and Detergents*. In press, DOI 10.1007/s11743-013-1539-0 (2013). (Q2, ISI & SCOPUS, IF (2013): 1.352)
- 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. *Asian Journal of Chemistry*. 25(9): 4929-4931 (2013). (Q4, ISI & SCOPUS, IF (2013):0.355)
- 20) Hamid Reza Fard Masoumi, Mahiran Basri, Siti Salwa Abd Gani, Yadollah Abdollahi, Dzulkifli Kuang, Malahat Razaee. Optimization of process parameters for lipase-catalyzed synthesis of esteramines-based esterquats using wavelet neural network (WNN) in 2-liter bioreactor. *Journal of Industrial and Engineering Chemistry*. In press, http://dx.doi.org/10.1016/j.jiec.2013.09.019 (2013). (Q2, ISI & SCOPUS, IF (2013): 2.063)
- 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 Using Response Surface Methodology in 2-Liter Bioreactor. *The Scientific World Journal*. In press, http://dx.doi.org/10.1155/2013/962083 (2013). (Q2, ISI & SCOPUS, IF (2013): 1.219)
- 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. *International Journal of Molecular Sciences*. 13(10): 13049-13064 (2012). (Q2, ISI & SCOPUS, IF (2012): 2.464)
- 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 (Mystus nemurus) fatty acids to enrich ω-3 polysaturated fatty acids. *Asian Journal of Chemistry*. 24(6):2679-2684 (2012). (Q4, ISI & SCOPUS, IF (2012): 0.253)
- 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. *Journal of Surfactants and Detergents*. 14: 227-233 (2011). (Q2, ISI & SCOPUS, IF (2011): 1.545)

- 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. *Asian Journal of Chemistry*. 23(1):380-384(2011). (Q4, ISI & SCOPUS, IF (2011): 0.266)
- 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. *Bioscience Biotechnology and Biochemistry*. 74(6): 1188-1193 (2010). (Q2, ISI & SCOPUS, IF (2010): 1.292)
- 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. *Tenside Surfactants Detergents*. 46(4):195-198 (2009). (Q4, ISI & SCOPUS, IF (2009): 0.329)

b) <u>Proceeding Paper</u>

- Siti Salwa Abd Gani, Hasmah Bidin, Mahiran Basri, Emilia Abd.Malek and Mohamed Salama Mohamed. Development and Characterization of Pitaya Seed Oil-In-Water Nanoemulsions for Cosmeceuticals Application. Malaysia International Halal research and Education Conference. Marriott Putrajaya, Malaysia. December 2-4, 2014.
- Siti Husnaa Mohd Taib, Siti Salwa Abd Gani, Mohamad Zaki Ab Rahman, Mahiran Basri and Rosnah Shamsudin. The Effect of Swiftlet Nest Cleaning Process on the Nitrite and Protein Contents. *Malaysia International Halal research and Education Conference*. Marriott Putrajaya, Malaysia. December 2-4, 2014.
- Azila Abdul Karim, Azrina Azlan, Amin Ismail, Puziah Hashim, Siti Salwa Abd Gani, Nur Azilah A. Elastase inhibition and antioxidant activities of cocoa pod extract. International Science and Technology Conference (ISTEC). Hotel Sharjah Inn, Dubai UAE. 13-15 December 2012.
- 4. Siti Salwa Abd Gani, Mohd Rezuwan Shah Zakaria, Mahiran Basri, Chong Kah Huong, 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. November 9-11, 2010.

c) <u>Patents</u>

 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).

- Mahiran Basri, Siti Salwa Abd Gani, Nur Fariza Abd Rahman, Abu Bakar Salleh, Raja Noor Zaliha Raja Abd Rahman. Emulsion System Derived from Engkabang Fat Esters. United States Patent. Patent No. US8,598,236 B2, 3rd of December (2013).
- 3. Mahiran Basri, **Siti Salwa Abd Gani**, Anuar Kassim, Abu Bakar Salleh, Raja Noor Zaliha Raja Abd Rahman, Zahariah Ismail. A topical applied formulation containing illipe fat and/or ester and a method producing the same. Malaysia Patent Filing. PI 20091192 (2009).
- 4. Mahiran Basri, **Siti Salwa Abd Gani**, Nur Fariza Abdul Rahman, Abu Bakar Salleh, Raja Noor Zaliha Raja Abd Rahman. An emulsion system derives from engkabang fat esters. Malaysia Patent Filing. PI 20092650 (2009).

EXPO/ CONGRESS/ EXHIBITION/ CONFERENCE ATTENDED

- Siti Salwa Abd Gani, Siti Husnaa Mohd Taib, Mohamad Zaki Ab Rahman, Mahiran Basri, Amin Ismail, Rosnah Shamsudin and Sarah Idris. Formulation and Process Optimizations of Nano-Cosmeceuticals Containing Purified Swiftlet Nest. Pameran Rekacipta Penyelidikan dan Inovasi (PRPI) Pusat Kebudayaan dan Kesenian Sultan Abdul Aziz Shah, Universiti Putra Malaysia, Selangor, Malaysia. 2016 (Silver Medal)
- 2. Siti Salwa Abd Gani, Norsuhaili Kamairudin, Hamid Reza Fard Masoumi, Puziah Hashim and Asiah Abdullah. Optimization of Natural Lipstick Formulation Based on Pitaya (Hylocereus polyrhizus) Seed Oil Using D-Optimal Mixture Experimental Design. Pameran Rekacipta Penyelidikan dan Inovasi (PRPI) Pusat Kebudayaan dan Kesenian Sultan Abdul Aziz Shah, Universiti Putra Malaysia, Selangor, Malaysia. 2016 (Silver Medal)
- 3. Nor Zuliana Yusof, **Siti Salwa Abd Gani**, Zafarizal Aldrin Azizul Hasan. Oil Palm (Elaies guineensis) Leaf Extract as Active Ingredient for Topical Application. Ekspo Inovasi Islam (i-INOVA) Universiti Sains Islam Malaysia National. 2016 (Bronze Medal)
- Siti Salwa Abd Gani. Bioactives delivery systems: lipid-based nanoparticles. Workshop on Nanimedicine and Nanodelivery. Institute of Bioscience, Universiti Putra Malaysia, Selangor, Malaysia. 17th -19th May 2016.
- Siti Salwa Abd Gani, Majella E Lane, Mahiran Basri. 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. 5th -7th September 2016.

- Nor Zuliana Yusof, Siti Salwa Abd Gani, Zafarizal Aldrin Azizul Hasan, Norashikin Ahmad, Hazimah Abu Hassan. Oil palm (Elaies guineensis) leaves extract as a natural sunscreen and skin lightening agent for topical application. 27th International Invention & Innovation Exhibition (ITEX 2016). Kuala Lumpur Convention Centre, Malaysia. 12th -14th May 2016. (Bronze Medal)
- Siti Salwa Abd Gani, Fazilah Farhana binti Abd Aziz, Nor Rasidah Khamis, Siti Fatihah Balqis Jamaludin. 19th Industrial Chemistry Seminar. Bangi-Putrajaya Hotel, Bandar Baru Bangi, Selangor, Malaysia. 2nd June 2016.
- Nor Zuliana Yusof, Siti Salwa Abd Gani, Zafarizal Aldrin Azizul Hasan. Potential Use of Oil Palm Leaves (Elaies guineensis) extract in topical application. International Palm Oil Congress and Exhibition. Kuala Lumpur Convention Centre, Malaysia. 6th -8th October 2015.
- 9. Nur Amira Hanis Binti Pilus, Siti Salwa Abd Gani, Nur Fazreen Atila Binti Hashim, Khalijah Binti Talha, Sharifah Nurhafizah Binti Lukman. Optimization of moisturizing soap containing pitaya seed (hylocereus polyrhizus) using d-optimal mixture experimental design. 18th Industrial Chemistry Seminar (SKI XVIII). Cyberview Resort & Spa, Cyberjaya, Malaysia. 9th June 2015.
- 10. **Siti Salwa Abd Gani**. Press Conference. Putra Cipta siri 2/2015. Naga Essence for Cosmeceuticals. Universiti putra Malaysia. 22nd of April 2015.
- 11. Siti Salwa Abd Gani, Mahiran Basri, Norsuhaili Kamairudin, Suhana Mustafa, Hasmah Bidin, Emilia Abd Malek. Naga Essence Formulations for Cosmeceutical Industry. 14th International Conference and Exposition on Inventions by Institutions of Higher Learning, PECIPTA. Organizer: Malaysia Ministry of Education. Kuala Lumpur Convention Centre, Malaysia. 4th -6th December 2015. (Bronze Medal)
- 12. Siti Salwa Abd Gani. Halal Executive Congress Malaysia (Kongres Eksekutif Halal Malaysia). Organizer: Halal Association Executive Profession of Malaysia, Halal Products Research Institute UPM, Islamic Development Department of Malaysia, Islamic religious council of Wilayah Persekutuan. Auditorium Faculty of Engineering UPM. 10th- 11th March 2015.
- 13. Siti Husnaa Mohd Taib, Siti Salwa Abd Gani, Mohamad Zaki Ab Rahman, Mahiran Basri, and Rosnah Shamsudin. The Effect of Swiftlet Nest Cleaning Process on the Nitrite and Protein Contents. Malaysia International Halal Research and Education Conference (MIHREC). Organizer: Halal Product Research Institute, Universiti Putra Malaysia. Marriott Putrajaya Hotel, Malaysia. 2nd -4th December 2014.

- 14. Siti Salwa Abd Gani, Hasmah Bidin, Mahiran Basri, Emilia Abd. Malek, Mohamed Salama Mohamed. Development and Characterization of Pitaya Seed Oil-In-Water Nanoemulsions for Cosmeceuticals Application. Malaysia International Halal Research and Education Conference (MIHREC). Organizer: Halal Product Research Institute, Universiti Putra Malaysia. Marriott Putrajaya Hotel, Malaysia. 2nd -4th December 2014.
- 15. Siti Salwa Abd Gani, Hasmah Bidin, Mahiran Basri, Emilia Abd. Malek, Mohamed Salama Mohamed. Optimization of Pitaya Seed Extract-based Nano-cosmeceutical Formulations using Response Surface Methodology (RSM). Malaysian Agricultural Innovation Challenge (MAGIC). Malaysia Agro Exposition Park Serdang, Selangor, Malaysia. 6th -8th November 2014. (Silver Medal)
- 16. Siti Salwa Abd Gani, Hasmah Bidin, Mahiran Basri, Emilia Abd. Malek, Mohamed Salama Mohamed. Dr's Solutions for Skincare. Biotechnology Asia Convention. Kuala Lumpur Convention Centre, Malaysia. 19th -21st November 2014. (Bioinnovation Award: Bronze Medal)
- 17. Siti Salwa Abd Gani, Hasmah Bidin, Mahiran Basri, Emilia Abd. Malek, Mohamed Salama Mohamed. Optimization of Pitaya Seed Extract-based Nano-cosmeceutical Formulations using Response Surface Methodology (RSM). Pameran Rekacipta Penyelidikan dan Inovasi (PRPI). Organizer: Universiti Putra Malaysia. Universiti Putra Malaysia, Selangor, Malaysia. 30th September-1st October 2014. (Gold Medal)
- 18. Siti Salwa Abd Gani and Siti Zulaika Adisah. Phase Behaviour Study of Swiftlet Nest Using Virgin Coconut Oil with Non-Ionic Surfactants. Malaysia International Conference on Oils and Fats. Organizer: Universiti Kebangsaan Malaysia. Hotel Bangi-Putrajaya, Malaysia. 20th -21st August 2014.
- 19. Siti Salwa Abd Gani, Hasmah Bidin, Mahiran Basri, Emilia Abd. Malek, Mohamed Salama Mohamed. Optimization of Pitaya Seed Extract-based Nano-cosmeceutical Formulations using Response Surface Methodology (RSM). 1st International Conference on Industrial Pharmacy. Swiss Garden Spa and Resort, Kuantan, Pahang, Malaysia. 16th -17th August 2014.
- 20. 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. 11th -16th August 2013.

- 21. Siti Salwa Abd Gani. Stratum Corneum VII, Skin Forum. Organizer: International Society for Stratum Corneum Research. Cardiff, United Kingdom. 10th -12th September 2012.
- 22. Azila Abd Karim, Azrina Azlan, Siti Salwa Abd Gani. Antioxidant Properties of Cocoa Pod Extract for Development of Halal cosmeceutical Cream (Top 5). 5th World Halal Research Summit. Kuala Lumpur Convention Centre, Malaysia. 4th-5th April 2012.
- 23. Azila Abdul Karim, Azrina Azlan, Amin Ismail, Puziah Hashim, Siti Salwa Abd Gani, Nur Azilah A. Elastase inhibition and antioxidant activities of cocoa pod extract. International Science and Technology Conference (ISTEC). Hotel Sharjah Inn, Dubai UAE. 13-15 December 2012.
- 24. Azila Abdul Karim, Azrina Azlan, Amin Ismail, Puziah Hashim, Siti Salwa Abd Gani, Nur Azilah A. Antioxidant properties of cocoa pod hush and its potential use in Cosmeceutical Product.17th International Cocoa Research Conference (ICRC 2012). Yaounde, Cameroon. 15-20 October 2012.
- 25. 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. 26th November-5th December 2010.
- 26. 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. 18th -20th November 2010. (Silver Medal)
- 27. 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. 9th 11th November 2010.
- 28. Syafinaz Zainol, Mahiran Basri, Siti Salwa Abd Gani. Formulation of argan oil nano-emulsion system containing an organic sunscreen agent. Industrial Chemistry Seminar XIV. Dewan Kuliah Utama Fakulti Perubatan, Universiti Putra Malaysia, Malaysia. 10th April 2010. (The Best Poster).
- 29. 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.** 4th -6th February 2010. (**Bronze Medal**)

- 30. 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. 28th July 2009. (Silver Medal)
- 31. 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. 16th -21th June 2008.

SEMINAR/WORKSHOP ATTENDED (ADMINISTRATION)

	•
10-12 Mei 2017	Kursus Kepimpinan Kewangan
	• Organized by Cocuriculum and Student Development
	Centre, UPM
	And Now Asia International Sdn Bhd
	Venue: Kompleks Mahasiswa, Universiti Putra Malaysia
4 th -5 th February	SRI's Five Disciplines of Innovation Workshop
2014	Organized by: Putra Science Park, Universiti Putra
	Malaysia
	Venue: Universiti Putra Malaysia
12 th -14 th April	Team Building Training for ASASI's staff.
2013	• Reserve Forest of Air Hitam, Puchong, Selangor
	• Organized by Centre of Foundation Studies for
	Agricultural, Universiti Putra Malaysia
27 th July 2011	Kursus Mencegah Kebakaran
	• Venue: Institute of Advance Technology (ITMA), UPM
	• Organized by Centre of Foundation Studies for Agricultural
	Science
14 th April 2011	• Kursus Semakan Keaslian dan Pencegahan Plagiarisme
-	(Turnitin)
	• Venue: Info comm Development (iDEC), UPM
	• Organized by Centre for Academic Development (CaDE),
	Universiti Putra Malaysia
7 th April 2011	Workshop on Writing a Business Plan
1	• Venue: Faculty of Engineering, Universiti Putra Malaysia
	• Organized by Research Management Centre, Universiti
	Putra Malaysia
2 nd -3 rd	Program Pembangunan Kepimpinan Inovatif dan
December 2010	Transformasi Pensyarah Muda
	Venue: Holiday Inn Glemarie, Shah Alam Selangor
	 Organized by AKEPT, Ministry of Higher Education

SEMINAR/WORKSHOP ATTENDED (TEACHING AND LEARNING)

Date	Details	

27 th -30 th	Bengkel Kimia Organik (ASC0303)
December 2016	• Organized by: Chemistry Unit, Centre of Foundation
2016	Studies for Agricultural, Universiti Putra Malaysia
	• Venue: Centre of Foundation Studies for Agricultural,
	Universiti Putra Malaysia
18 th -20 th March	• Bengkel Pemurnian Modul Kimia Tak Organik ASC0301'
2016	Go for ISBN'
	• Organized by: Chemistry Unit, Centre of Foundation
	Studies for Agricultural, Universiti Putra Malaysia
	Venue: Klana Beach Resort, Port Dickson
15 th -16 th	Kursus Kesarjanaan dalam Pengajaran dan Pembelajaran
June 2011	• Venue: Faculty of Human Ecology, UPM
	• Organized by Cantre for Academic Development (CaDE),
	Universiti Putra Malaysia
2 nd -3 rd March	Kursus Hasil Pembelajaran (LO)
2011	• Venue: Faculty of Human Ecology, UPM
	• Organized by Centre for Academic Development (CaDE),
	Universiti Putra Malaysia
28 th February	• Bengkel Kaedah Pengajaran berasaskan Student Centered
2011	Learning (SCL): Pendekatan Modular
	• Venue: Faculty of Educational Studies, UPM
	• Organized by Centre for Academic Development (CaDE),
	Universiti Putra Malaysia

SEMINAR/WORKSHOP ATTENDED (RESEARCH)

Date	Details
19 th -20 th December	• Science and Technology Exchange Program (STEP) in
2016	Islamic Countries
	Venue: Universiti Putra Malaysia
	• Organized by: Universiti Putra Malaysia and Mustafa
	Prize
2 nd June 2016	• 19 th Industrial Chemistry Seminar (SKI XIX)
	Venue: Hotel Bangi-Putrajaya
	• Organized by: Department of Chemistry, Faculty of
	Science, UPM

17-19 May 2016	Workshop on Nanomedicine and Nanodelivery
	• Venue: Institute of Bioscience, UPM
	Organized by: Institute of Bioscience, UPM
18 th May 2016	Workshop on Manuscript Writing
	• Venue: Putra Chancelori, UPM
	• Organized by Halal Products Research Institute, UPM
21 st -22 nd December	Mixture Design and Artificial Neural Network Workshop
2015	• Organized by: Halal Products Research Institute UPM
	• Venue: Halal Products Research Institute UPM
15-17	Conventional and Real Time PCR for Beginners
December	• Organized by: Halal Products Research Institute UPM
2015	• Venue: Halal Products Research Institute UPM
19 th June 2014	• IPPH's Manuscript Evaluation Workshop 2014
	Organized by: Halal Product Research Institute UPM
	• Venue: Seminar Room, Kolej Keenam, Universiti Putra
	Malaysia
1 st and 2 nd October	Workshop on Design of Experiment (DOE)
2014	Organized by: Faculty of Science and Food Technology,
	Universiti Putra Malaysia
	Venue: Faculty of Science and Food Technology, UPM
31 st October 2013	• National seminar on Pharmaceutical Material Characterization 2013.
	 Venue: Faculty of Pharmacy, Universiti Tecnology Mara.
	Bandar Puncak Alam, Selangor, Malaysia
	 Organized by Faculty of Pharmacy, Universiti Tecnology
	Mara. Bandar Puncak Alam, Selangor, Malaysia.
21 st -23 rd May	Herbal Formulation Workshop.
2013	• Venue: Institute of Bioproduct, Universiti Teknologi
	Malaysia. Skudai, Johor Bahru, Malaysia
	Organized by Institute of Bioproduct, Universiti Teknologi
	Malaysia. Skudai, Johor Bahru, Malaysia
6 th -8 th July 2011	Workshop on Nanomedicine using Polymers with
	Controlled Structures
	• Venue: Advanced Material Research Centre (AMREC),
	Kulim Hi-Tech Park, Kedah, Malaysia
	Organized by SIRIM
11 th June 2011	Seminar on Current Treatment of Cancer
	 Venue: Faculty of Medicine and Health Sciences,
	. ende. 1 weater of friedrenie and fredien befollees,

	Universiti Putra Malaysia
	Organized by KanWork and Care
17 th February	• Scientific Update on Umami Taste: Nutritional &
2011	Phycological Implications on Human Health
	• Venue: Faculty of Medicine and Health Sciences,
	Universiti Putra Malaysia
	• Organized by Faculty of Medicine and Health Sciences,
	Universiti Putra Malaysia and Umami Information Centre
	(UIC), Japan
25 th May 2010	Seminar on Pioneer of Planetary Centrifugal Mixers
5	 (Mixing/ Dispersing/ Stirring & Defoaming)
	 Venue: Faculty of Science, Universiti Putra Malaysia
	 Organized by Faculty of Science, Universiti Putra
	Malaysia
24 th May 2010	Seminar on Stanted High Pressure Homogeniser and Cell
21 may 2010	Disrupters
	 Venue: Institute of Bioscience, Universiti Putra Malaysia
	 Organized by Institute of Bioscience, Universiti Putra
	Malaysia
19 th April 2010	Journal Workshop 2010 UPM-Thomson Reuters
1) April 2010	 Jointly organized by Universiti Putra Malaysia and
	Thomson Reuters
	 Venue: Faculty of Engineering, Universiti Putra Malaysia
	 Organized by Universiti Putra Malaysia
22 nd October 2009	Perdana Lecture
	 'Unlocking the Miracle of Lipases' By Dr. Kamariah Long
	 Venue: Auditorium MARDI
	 Organized by MARDI
21 st -22 nd May	 Organized by MARDI Workshop on Formulation of Creams, Lotions and Natural
2009	Soaps
	• Venue: Fermentation Technology Unit, Block 15, Putra
	Infoport
	 Organized by Fermentation Technology Unit, Putra
	Infoport, Universiti Putra Malaysia
4 th May 2009	Seminar on Green Chemistry
1 Widy 2007	 Venue: Bilik Saintis Gemilang, Faculty of Science,
	Universiti Putra Malaysia
	• Organized by Department of Chemistry, Faculty of
	• Organized by Department of Chemistry, Faculty of Science, Universiti Putra Malaysia

27 th -29 th March	Manuscript Writing
2009	• Venue: Shah's Beach Resort, Melaka
	• Organized by Enzyme and Microbial Technology
	Research Group, Universiti Putra Malaysia
18 th -19 th February	National Workshop on Nano Delivery Systems for
2009	Nutrition, Cosmetics, Pharma and Agro.
	• Venue: Institute of Bioscience, Universiti Putra Malaysia.
	• Organized by Laboratory of Molecular Biomedicine,
	Institute of Bioscience, Universiti Putra Malaysia &
	Malaysian Nuclear Agency
29 th January 2009	Kolokium Sains
	 Venue: Bilik Saintis Gemilang, Faculty of Science,
	Universiti Putra Malaysia
	Organized by Department of Chemistry, Faculty of Science, Universiti Putra Malaysia
Oth January 2000	
9 th January 2009	• Seminar on White Biotechnology Future of Industrial
	Enzyme Research and Production
	• Venue: Nucleus Block, UKM MTDC Technology Centre,
	Bangi, Selangor.
	• Organized by UKM MTDC Technology Centre, Bangi,
12th 0 (1 2000	Selangor
13 th October 2008	• UK-Malaysia Partners in Science Symposium on "Recent
	Developments in Medicinal Chemistry"
	Venue: Universiti Malaya
a oth	Organized by Universiti Malaya
28 th August 2008	• "Double seminars on Nanoparticles" for Health and Beauty.
	Speaker: Prof. Dr. Rainer Müller
	Free University of Berlin, Germany
	• Venue: Institute of Bioscience, Universiti Putra Malaysia
	• Organized by Institute of Bioscience, Universiti Putra
	Malaysia
30 th July-	• Workshop on Introduction to Electron Microscopy for
1 st August 2008	Material Sciences
	• Venue: Institute of Bioscience, Universiti Putra Malaysia
	• Organized by Institute of Bioscience, Universiti Putra
	Malaysia
11 th June 2008	IKM Postgraduate Chemistry Medalist Seminar
	 Venue: Monash University

	Organized by Monash University				
8 th May 2008	• Application of Transmission Electron Microscope in Nano Research.				
	Speaker: Dr. Wim Voorhout, FEI Company, Holland				
	• Venue: Institut of Bioscience, Universiti Putra Malaysia				
	• Organized by Institut of Bioscience, Universiti Putra Malaysia				
1 st -2 nd April 2008	• Technique Workshop (GC, GCMS, HPLC)				
	Speaker: Foo He Chuang, Perkin Elmer Sdn. Bhd.				
	• Venue: Department of Chemistry, Faculty of Science,				
	UPM				
	• Organized by Department of Chemistry, Faculty of				
	Science, UPM				
27 th -29 th March	Manuscript Writing				
2008	• Venue: Hotel Seri Malaysia, Port Dickson				
	Organized by Enzyme and Microbial Technology Group				
4 th -5 th June 2007	Publishing for Postgraduate				
	Speaker: Dr. Vijay Kumar Mallan				
	• Venue: Dewan Persidangan, Center for External				
	Education,				
	Universiti Putra Malaysia				
	Organized by School of Graduate Studies				

TEACHING RESPONSIBILITIES

Year	Course (Code and Credit Hours)	Number of Students	Contact Hours	Remarks
Semester 3 (2016/2017)	OrganicChemistry ASC 0303 3(2+1)	46 (Group 17)	28H-Lecture 21H- Experimental 14H-Tutorial 3H-Assignment	Lecturer
Semester 2 (2016/2017)	Physical Chemistry	45 (Group 8)	28H-Lecture 21H-	Lecturer

	ASC 0302 3(2+1)		Experimental 14H-Tutorial 3H-Assignment	
Semester 3 (2015/2016)	Organic Chemistry (ASC 0303) 3(2+1)	43 (Group 1)	28H-Lecture 21H- Experimental 14H-Tutorial 3H-Assignment	Lecturer
	Organic Chemistry (ASC 0303) 3(2+1)	38 (Group 13)	28H-Lecture 21H- Experimental 14H-Tutorial 3H-Assignment	Lecturer
Semester 1 (2015/2016)	Inorganic Chemistry (ASC 0301) 3(2+1)	43 (Group 7)	28H-Lecture 21H- Experimental 14H-Tutorial 3H-Assignment	Lecturer
	Inorganic Chemistry (ASC 0301) 3(2+1)	43 (Group 12)	28H-Lecture 21H- Experimental 14H-Tutorial 3H-Assignment	Lecturer
Semester 1 (Fast Tract: 2015)	Physical Chemistry (ASC 0302) 3(2+1)	20 (Group 2)	28H-Lecture 21H- Experimental 14H-Tutorial 3H-Assignment	Lecturer
	Physical Chemistry (ASC 0302) 3(2+1)	17 (Group 4)	28H-Lecture 21H- Experimental 14H-Tutorial 3H-Assignment	Lecturer
Semester 1	Inorganic	40	28H-Lecture	Lecturer

(2014/2015)	Chemistry (ASC 0301) 3(2+1)	(Group 11)	21H- Experimental 14H-Tutorial 3H-Assignment	
	Inorganic Chemistry (ASC 0301) 3(2+1)	40 (Group 13)	28H-Lecture 21H- Experimental 14H-Tutorial 3H-Assignment	Lecturer
Semester 3 (2013/2014)	Organic Chemistry ASC 0303 3(2+1)	35 (Group 3)	28H-Lecture 21H- Experimental 14H-Tutorial 3H-Assignment	Lecturer
	Organic Chemistry (ASC 0303) 3(2+1)	36 (Group 16)	28H-Lecture 21H- Experimental 14H-Tutorial 3H-Assignment	Lecturer
Semester 1 (2013/2014)	Inorganic Chemistry (ASC 0301) 3(2+1)	40 (Group 11)	28H-Lecture 21H- Experimental 14H-Tutorial 3H-Assignment	Lecturer
	Inorganic Chemistry 3(2+1) (ASC 0301)	43 (Group 15)	28H-Lecture 21H- Experimental 14H-Tutorial 3H-Assignment	Lecturer
Semester 3 (2012/2013)	Organic Chemistry (ASC 0303) 3(2+1)	46 (Group 2)	28H-Lecture 21H- Experimental 14H-Tutorial 3H-Assignment	Lecturer

	Organic Chemistry (ASC 0303) 3(2+1)	44 (Group 4)	28H-Lecture 21H- Experimental 14H-Tutorial 3H-Assignment	Lecturer
Semester 2 (2011/2012)	Physical Chemistry ASC 0302 3(2+1)	41 (Group 2)	28H-Lecture 21H- Experimental 14H-Tutorial 3H-Assignment	Lecturer
Semester 3 (2010/2011)	Organic Chemistry (ASC 0303) 3(2+1)	40- (Group 1)	28H-Lecture 21H- Experimental 14H-Tutorial 3H-Assignment	Lecturer
	Organic Chemistry (ASC 0303) 3(2+1)	40 (Group 3)	28H-Lecture 21H- Experimental 14H-Tutorial 3H-Assignment	Lecturer
Semester 2 (2010/2011)	Physical Chemistry ASC 0302 3(2+1)	46 (Group 1)	28H-Lecture 21H- Experimental 14H-Tutorial 3H-Assignment	Lecturer
	Physical Chemistry (ASC 0302) 3(2+1)	43 (Group 3)	28H-Lecture 21H- Experimental 14H-Tutorial 3H-Assignment	Lecturer

SUPERVISION OF STUDENTS (RESEARCH)

a) M	ain Si	ıpervi	sion-	Postgra	iduate
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No	Name	Research Title	Program	Year	Affiliation
1.	Siti Fatihah	Optimization and	Msc with	2016-	Halal
	Balqis binti	Characterization of	Thesis	present	Product
	Jamaludin	Functional Cosmetic			Research
		Properties in			Institute,
		Hylocereus polyrhizus			Universiti
		using Response			Putra
		Surface Methodology			Malaysia
2.	Sarah Idris	Detection of Harmful	PhD with	2016-	Halal
		Ingredients in	Thesis	present	Product
		Cosmetic Products in			Research
		Malaysia			Institute,
					Universiti
					Putra
					Malaysia
3.	Nur Royhaila	Detection and	PhD with	2015-	Halal
	Mohamad	Profiling of Alcohol	Thesis	present	Product
	(GS43713)	Ingredients in			Research
		Cosmetic Products			Institute,
		around Malaysia			Universiti
					Putra
					Malaysia
4.	Nur Illiyin	Modeling and	PhD with	2015-	Halal
	Mohamed	Optimization of	Thesis	present	Product
	Roslan	Engkabang-Palm			Research
	(GS44578)	Olein Blend as a			Institute,
		Cocoa Butter			Universiti
		Substitute using			Putra
		Statistical			Malaysia
		Experimental Designs			
5.	Khurul Ain	Modelling and	Master	2015-	Halal
	binti	Optimization of	with	present	Product
	Mohamed	Phaleria macrocarpa	Thesis		Research

	Mahzir	Formulation for Cosmeceutical			Institute, Universiti
		Purpose			Putra Malauria
6	Damaria	Ontimization of	Magtan	2015	Malaysia
6.	Ramya	Optimization of	Master	2015-	Halal
	Vijayakumar	Antioxidant Properties	with	present	Product
	(GS44383)	of Pitaya (<i>Hylocereus</i>	Thesis		Research
		polyrhizus) Peels			Institute, Universiti
		using Statistical			
		Experimental Design			Putra Malauria
7	A · 1 1 · /·	<u> </u>	DI D '4	2015	Malaysia
7.	Asiah binti	Synthesis and	PhD with	2015-	Department
	Abdullah	Optimization of Pitaya Seed Oil Esters	Thesis	present	of Chamistan
	(GS44636)				Chemistry,
		Formulation for			Faculty of
		Cosmeceutical			Science,
		Purpose			Universiti
					Putra Malavaia
8.	Nur Fauwizah	Development of	Magtan	2015	Malaysia
δ.	binti Azahar	Development of phytochemical screening	Master	2015-	Department of
	Ullul Azallal	of Curcuma zedoaria	Thesis	present	Chemistry,
		leaves extract for anti-	1110515		Faculty of
		aging, and anti-oxidant			Science,
		purposes			Universiti
					Putra
					Malaysia
9.	Suhana	Detection and	Master	2014-	Halal
).	Mustafa	Profiling of Porcine	with	present	Product
	Wiustala	Adulteration in	Thesis	present	Research
		Cosmetic Products	1110515		Institute,
		around Kuwait			Universiti
					Putra
					Malaysia
10.	Rabiatul	Curcuma Mangga	Master	2014-	Halal
10.	Adawiyah	Nano-Cosmeceuticals	with	present	Product
	Ramli	As Anti Aging And	Thesis	(writing	Research
		Antioxidant Using D-		thesis)	Institute,
		Optimal Mixture			Universiti

11.	Farrah	Development of	PhD with	2013-	Malaysia Halal
	Payyadhah	Soybean Waste	Thesis	present	Product
	binti Borhan	Protein Formulation for Stratum Corneum		(writing	Research
	(GS37587			thesis)	Institute, Universit
		Application			Putra
					Malaysia
12	Nor Zuliana	Development of Oil-	Master	2013-	Halal
14.	binti Yusof	in-water (o/w)	with	present	Product
		Emulsion with Oil	Thesis	present	Research
		Palm Leaves (Elaeis	1110010		Institute,
		guineensis) extract			Universit
		6			Putra
					Malaysia
13.	Nur Izzati	Development of	Master	2013-2015	Halal
	binti	Soybean Waste	with	(Graduated)	Product
	Mohamad	Nutrition Formulation	Thesis		Research
	Zen	for Dietary			Institute,
	(GS37585)	Supplement			Universit
					Putra
					Malaysia
14.	Norsuhaili	Formation and	Master	2013-2015	Halal
	binti	Characteristics of	with	(Graduated)	Product
	Kamairudin	Halal Natural Lips	Thesis		Research
	(GS37771)	Product from			Institute,
		Hylocereus Polyrhizus			Universit
					Putra
	~				Malaysia
15.	Siti Husnaa	Formulation	Master	2011-2015	Halal
	Mohd Taib	Optimization of	with	(Graduated)	Product
	(GS30424)	Swiftlet Nest-based	Thesis		Research
		Nanocosmeceuticals			Institute,
					Universit
					Putra Malauria
					Malaysia

b) Co-supervision-postgraduate

No	Name	Research Title	Program	Year	Affiliation
	Nurul Hafizah Zainal Abidin (GS45031)	Critical Phenomena on Convective Stability in Binary Fluid Mixture	PhD	2016- present	Institut Penyelidikan Matematik, Universiti Putra Malaysia
	Masyitah Amat Sairin (GS42354)	Spectral Permittivity Characterization Correlating Fatty Acid Methyl Ester (FAME) Composition for Lard Detection in Edible Oils	Master	2016- present	Halal Product Research Institute, Universiti Putra Malaysia
	Siti Norhawani Harun (GS30779)	Impact of Nanosystem Efficient in Blood Brain Barrier Translocations Utilizing Emulsion Loaded with Cefuroxime for Treatment of Meningitis	PhD	2011- present	Faculty of Medicine and Health Sciences, Universiti Putra Malaysia
	Norazlin Mat Husin (GS30420)	Development of Halal Lipstick with Protection Properties	Master with Thesis	2011-2015 (Graduated)	Halal Product Research Institute, Universiti Putra Malaysia
	Azila binti Abdul Karim (GS30038)	Development of Anti-wrinkles Cosmeceuticals Cream from Cocoa Pods	PhD	2011-2015 (Graduated)	Halal Product Research Institute, Universiti Putra Malaysia
	Zafarizal Aldrin Bin	Preparation, Characterization and	PhD	2011- present	Department of Chemistry,

А	zizul Hasan	Efficacy of Palm			Faculty of
		Tocotrienol			Science,
		Nanoemulsion			Universiti
					Putra
					Malaysia
N	lur Nadiah	Production Of Anti-	Master	2011-2014	Department
А	bdul Rashid	Cancer Drug Nano-	with	(graduated)	of Chemistry,
		Emulsions Using	Thesis		Faculty of
		Betulinic Acid			Science,
					Universiti
					Putra
					Malaysia
S	yafinaz	Developing	Master	2011-2014	Department
Z	ainol	Nanosystem Utilizing	with	(graduated)	of Chemistry,
		Emulsion Loaded	Thesis		Faculty of
		with Anti Parkinson			Science,
		Drug For Parenteral			Universiti
		Delivery			Putra
					Malaysia
R	ohana binti	Development of	Master	2011-2015	Department
0	thman	Aerosol-Insecticides	with	(graduated)	of Chemistry,
		Formed with Palm	Thesis		Faculty of
		Oil-Based Materials			Science,
					Universiti
					Putra
					Malaysia

c) Main Supervision-Undergraduate

No	Name	Research Title	Program	Year	Affiliation
1.	Nura Adila	Phase Behaviour	Bac of	2016/2017	Department of
	Shariff	Study of Aleo vera	Sci. with		Chemistry,
		using non ionic	Edu		Faculty of
		surfactant	(hons)-		Science,
			Chemistry		Universiti Putra,
					Malaysia
2.	Wan Nadia	Phase Behaviour	Bac of Sci	2016/2017	Department of
	Farisha Wan	Study of Oryza	(hons)-		Chemistry,
	Mazlan	Saliva using non	Petroleum		Faculty of
	(175420)	ionic surfactant	Chemistry		Science,
					Universiti Putra,
					Malaysia
3.	Nur Awatif	Phase Behavior	Bac of Sci	2016/2017	Department of
	Hashim	Study of Caesalpinia	(hons)-		Chemistry,
	(175439)	sappan using non	Industrial		Faculty of
		ionic surfactant	Chemistry		Science,
					Universiti Putra,
					Malaysia
4.	Ummi Husna	Optimization of	Bac of Sci	2016/2017	Department of
	Abdullah	Shortening using	(hons)-		Chemistry,
	(173613)	Palm Oil Fraction	Chemistry		Faculty of
		using Experimental			Science,
		Design			Universiti Putra,
					Malaysia
5.	Nor Rasidah	Modeling of	Bac of Sci	2015/2016	Department of
	binti Khamis	Moisturizing Soap	(hons)-		Chemistry,
	(169510)	Containing Pitaya	Chemistry		Faculty of
		Seed (Hylocereus			Science,
		polyrhizus) using			Universiti Putra,
		Artificial Neural			Malaysia
		Network (ANN)			
6.	Fazilah	Modeling of Clay	Bac of Sci	2015/2016	Department of
	Farhana binti	Facial Scrub	(hons)-		Chemistry,
	Abd Aziz	Containing Pitaya	Chemistry		Faculty of
	(168168)	(Hylocereus			Science,
		polyrhizus) Seed Oil			Universiti Putra,
		using Artificial			Malaysia
		Neural Network			

		(ANN)			
7.	Siti Fatihah	Modeling of Clay	Bac of Sci	2015/2016	Department of
	Balqis binti	Body Wash	(hons)-		Chemistry,
	Jamaludin	Containing Pitaya	Chemistry		Faculty of
	(170163)	(Hylocereus			Science,
		polyrhizus) Seed Oil			Universiti Putra
		using Artificial			Malaysia
		Neural Network			
		(ANN)			
8.	Nur Fazreen	Optimization of Clay	Bac of Sci	2014/2015	Department of
	Atila Hashim	Facial Scrub	(hons)-		Chemistry,
	(163295)	Containing Pitaya	Chemistry		Faculty of
		Seed Oil using D-			Science,
		Optimal Mixture			Universiti Putra
		Experimental Design			Malaysia
9.	Nur Amira	Optimization of	Bac of Sci	2014/2015	Department of
	Hanis Pilus	Moisturizing Soap	(hons)-		Chemistry,
	(161992)	Containing Pitaya	Chemistry		Faculty of
		Seed using D-			Science,
		Optimal Mixture			Universiti Putra
		Experimental Design			Malaysia
10	Khalijah	Optimization of	Bac of Sci	2014/2015	Department of
	Talha	Moisturizing Clay	(hons)-		Chemistry,
	(164754)	Soap Containing	Chemistry		Faculty of
		Pitaya Seed Oil using			Science,
		D-Optimal Mixture			Universiti Putra
		Experimental Design			Malaysia
11	Syarifah	Optimization of Clay	Bac of Sci	2014/2015	Department of
	Nurhafizah	Body Wash	(hons)-		Chemistry,
	Lukman	Containing Pitaya	Chemistry		Faculty of
	(163455)	Seed Oil using D-	-		Science,
		Optimal Mixture			Universiti Putra
		Experimental Design			Malaysia
12	Fazilawati	Phase Behavior	Bac of Sci	2013/2014	Department of
	binti Makmur	Study of Swiftlet	(hons)-		Chemistry,
	(156564)	Nest using Non Ionic	Industrial		Faculty of
	. /	Surfactants with Sun	Chemistry		Science,
		Flower Oil	2		Universiti Putra
					Malaysia
12	Nurul	Phase Behavior	Bac of Sci	2013/2014	Department of

Shakirah	Study of Vegetable	(hons)-		Chemistry,
Arifin	Oils with Tween85	Industrial		Faculty of
	and Tween80 in	Chemistry		Science,
	Emulsion System	-		Universiti Putra,
				Malaysia
14 Rawaida	Formulation	Bac of Sci	2013/2014	Department of
Liyana binti	Optimization of	(hons)-		Chemistry,
Razalli	Swiftlet Nest using	Industrial		Faculty of
(156298)	Non Ionic Surfactant	Chemistry		Science,
	with Jojoba Oil			Universiti Putra,
				Malaysia
15 Siti Zulaikha	Phase Behavior	Bac of Sci	2013/1014	Department of
binti Adisah	Study of Swiftlet	(hons)-		Chemistry,
(156514)	Nest using Non Ionic	Industrial		Faculty of
	Surfactants with	Chemistry		Science,
	Virgin Coconut Oil			Universiti Putra,
				Malaysia
16 Siti Nur	High Yield Lipase-	Bac of	2011	Department of
Hazwani	Catalyzed Synthesis	Sci. with		Chemistry,
Sulaiman	Of Pitaya Seed Oil	Edu		Faculty of
	Esters	(hons)-		Science,
		Chemistry		Universiti Putra,
				Malaysia

THESIS EXAMINER

No	Name	Research Title	Program	Year	Affiliation
1.	Hur Binti Munawar Kabir Mohd	Interaksi Vesikel Lipid Dipalmitoilfosfatidilkolina dan Vesikel Lipid Campuran Dipalmitoilfosfatidil Kolina/Serina dengan Nanozarah SiO ₂ , TiO ₂ dan Fe ₃ O ₄	MSc of Science	2017	Faculty of Science and Technology, National University Malysia
2.	Marliana	Detection of Animal Fats	Msc:	2017	Halal Products
	binti Azir	Adulteration in Cocoa	Halal		research

		Duttor using A polytical	Product		Institute,Universi
		Butter using Analytical			
2	01 .01	Techniques	Analysis	2015	Putra Malaysia
3.	Sharifah	Chemical Constituents of	Bac of Sci	2015-	Department of
	Nurul	Calophyllum Inophyllum	(hons)-	2016	Chemistry,
	Izzati		Chemistry		Faculty of
	Syed				Science,
	Ahmad				Universiti Putra
	Kamal				Malaysia
	(158160)				
4.	Nur	Synthesis and	Bac of Sci	2015-	Department
	Aziera	Characterization of	(hons)-	2016	of Chemistry,
	Hood	Thiourea-Modified	Chemistry		Faculty of
	(170574)	Poly(Acrylonitrile-Co-			Science,
		Itaconic Acid) as Non-			Universiti
		woven Fibers			Putra,
					Malaysia
5.	Nur	Optimization of	Bac of Sci	2015-	Department
	Shahidah	Nanoemulsion Formulation	(hons)-	2016	of Chemistry,
	Shahidan	Containing Ibuprofen using	Chemistry		Faculty of
	(170084)	Experimental Design			Science,
		(MED)			Universiti
					Putra
					Malaysia
6.	Nur Alia	Chemical Constituent and	Bac of Sci	2014-	Department
	Zakaria	Antioxidant Activity of	(hons)-	2015	of Chemistry,
		Mellicope Glabra	Chemistry		Faculty of
		(Rutaceae)			Science,
					Universiti
					Destar
					Putra,
					Putra, Malaysia
7.	Phang	Optimization of Palm	Bac of Sci	2014-	
7.	Phang Eng	Optimization of Palm Kernel Oil Ester-based	Bac of Sci (hons)-	2014- 2015	Malaysia
7.	0	-			Malaysia Department
7.	Eng	Kernel Oil Ester-based	(hons)-		Malaysia Department of Chemistry, Faculty of
7.	Eng	Kernel Oil Ester-based Nanoemulsions Containing Sodium Diclofenac with	(hons)-		Malaysia Department of Chemistry,
7.	Eng	Kernel Oil Ester-based Nanoemulsions Containing Sodium Diclofenac with Xanthan Gum by using D-	(hons)-		Malaysia Department of Chemistry, Faculty of Science, Universiti
7.	Eng	Kernel Oil Ester-based Nanoemulsions Containing Sodium Diclofenac with Xanthan Gum by using D- Optimal Experimental	(hons)-		Malaysia Department of Chemistry, Faculty of Science, Universiti Putra,
	Eng Khai	Kernel Oil Ester-based Nanoemulsions Containing Sodium Diclofenac with Xanthan Gum by using D- Optimal Experimental Design	(hons)- Chemistry	2015	Malaysia Department of Chemistry, Faculty of Science, Universiti Putra, Malaysia
7.	Eng	Kernel Oil Ester-based Nanoemulsions Containing Sodium Diclofenac with Xanthan Gum by using D- Optimal Experimental	(hons)-		Malaysia Department of Chemistry, Faculty of Science, Universiti Putra,

		Nutans Lindau Leaves by			Science,
		Response Surface			Universiti
		Methodology			Putra,
					Malaysia
9.	Kong	Optimization of	Bac of Sci	2014-	Department
	Wei	Hyrocortiosone-Loaded	(hons)-	2015	of Chemistry,
	Yoong	Nanoemulsion by	Chemistry		Faculty of
		Rheology Studies			Science,
					Universiti
					Putra,
					Malaysia

MEDIA COVERAGES IN TELEVISIONS AND NEWS PAPERS

1) Sin Chew Daily, 26th January 2017, Thursday, Expert: Plastics have ability to resist against heat at different temperature.



- TV9 channel, Berita 12 Tengahari (News at 12pm), 23rd of April 2015, Thursday
 -Press conference about Naga Essence
- NTV7 channel, Berita Edisi 1 Tengahari (News at 1pm), 26th of April 2015, Sunday

-Press conference about Naga Essence



4) Kosmo, 30th of December 2015, Wednesday, page 34

 Sin Chew Daily, 16th December 2015, Wednesday, (Effect of using Vape) page 14



 Harian Metro, 11th of August 2015, Tuesday, page V4 (Bahagian Agro/ Agro Part)



SELASA Harian Metro

Buah naga dalam bidang

Mempunyai kandungan tinggi asid lemak poli tidak tepu, sebatian antioksidan



nad Hussin mohamad_hussin@hmetro com my

ebiasaannya, buah naga atau saintifiknya banyak digunakan nama pitaya dalam produk makanan kerana mempunyai kandungan dan bahan aktif antioksidan yang amat tinggi, selain dapat membantu menyihatkan tubuh badan. Menyedari kebaikan dan

Menyedari kebaikan dan khasiat buah naga, pen-syarah dari Jabatan Kimia, Fakulti Sains, Universiti Pu-tra Malaysia (UPM). Dr Siti Salwa Abd Gani membuat inovasi baru berasaskan buah naga dengan menghasilkan rangkaian produk

kecantikan. Ia juga antara produk pertama di negara ini yang menggunakan buah naga dalam bidang kosmeseutikal dinamakan Naga Es-

sence. Dr Siti Salwa berkata. Naga Essence diperbuat da ripada bahan aktif berasas-kan buah naga dan ia di-proses dalam

beberapa jenis pro duk pen

lagaan



ANTARA produk kosme seutikol yong dihosilkon me

kulit termasuk produk emulmengurangkan bentukan radikat tinéneutratkan bebas melembapkan sion bersaiz nam Beliau berkata, ia mem-beri kesan amat bagus untuk dan menyuburkan kolagen. kulit manusia kerana buah naga mempunyai kandungan tinggi asid lemak poli tidak "Beberapa produk kosme seutikal sudah berjaya diha

rusnya

tepu (linoleik dan asid linosilkan menggunakan Naga lenik) dan sebatian antioksi-dan (fenolik dan flavonoid). "la membentuk lapisan di atas kulit (di atas stratum corneum) dan menghalang penyerapan sinaran UVA ke d a l a m kulit sete-

dapat

Essence seperti gincu pelem-bab, sabun, skrub dan cecair pencuci badan yang menyuburkan kulit. "Semua produk yang di hasilkan menggunakan stadah tena

tistik 'design of expert' dan di bangunkan di ga penyeragaman rendah dan tinggi. "Design of expert terdiri daripada 'res- ponse surmakmal me nerusi kae

pem

radikal

bebas

kulir

'le depai melembapkan kulit, menghalang bentukan radika bas, menghalang membusan UVA ice datam kulit dan melambatkan mbentukan keduta to Sitt Solue

face methodology', 'd-optimal mixture design' dan 'artifi-ial neural network cial software' yang dapat menjimatkan masa, tena-serta kos dalam mem-bangunkan ga serta

No.

produk pen-yelidikan berkenaan," katanya selepas pelancaran

d.

UPM, baru-baru ini

ANTARA onugerah yong dite

Menurutnya, kelebihan yang terdapat pada inovasi ini selain dijadikan seba-gai antipenuaan, ia boleh digunakan mereka yang menghadapi masalah kulit seperti kulit sensitif, kekeringan serta kedutan.

10

"Ia dapat melembapkan kulit, menghalang pem-bentukan radikal bebas, menghalang penembusan UVA ke dalam kulit dan melambatkan pemben tukan kedutan.

"Amat sesuai digunakan di negara Khatulistiwa termasuk negara ini, negara empat musim dan Timur Tengah.

"la juga baik untuk diaplikasikan di dalam bidang kosmeseutikal, Naga Es-sence turut berpontesi di

sence turu berpontesi ui dalam bidang farmaseu-tikal," katanya. Dr Siti Salwa yang juga pensyarah di Pusat Asasi Sains Pertanlan dan pe-snyelidik bersekutu di Ins-titut Penyelidikan Produk Jalat IUM memonyaja Halal, UPM, mempunyai 12 pelajar di bawah penye-liaannya yang terdiri dari pada pelajar peringkat do ktor falsafah, sarjana dan sarjana muda setakat ini

7) Tribun Putra, Jun 2015, page 3

R Siti Salwa (tina dari kiri) bersama pelajarnya yang menahasilkan produk Naga Essence

TRIBUN PUTRA . Bil. 80 / Jun 2015

Teknologi kosmesutikal berasas buah naga pertama di Malaysia

Oleh Hafliza Hussin Foto Marina Ismail

SERDANG – Penyelidik Universiti Putra Malaysia (UPM), Dr. Siti Salwa Abd. Gani menghasilkan produk kosmesutikal iaitu Naga Essence yang pertama di Malaysia yang berasaskan daripada buah naga.

Ketua penyelidik Dr. Siti Salwa daripada Pusat Asasi Sains Pertanian dan Jabatan Kimia, Fakulti Sains berkata produk itu berasaskan tumbuhan yang diformulasikan di dalam produk penjagaan kulit. Naga Essence boleh digunakan dalam pelbagai produk kosmetik dan farmasutikal. Ia juga boleh digunakan begitu sahaja ke atas kulit.

"Antara produk kosmeseutikal yang berjaya dihasilkan menggunakan Naga Essence adalah krim anti penuaan, gincu pelembab, sabun, skrub badan dan cecair pencuci badan atau tangan," katanya.

Tambah beliau, produk ini boleh digunakan oleh individu yang menghadapi masalah kulit seperti kekeringan dan kedutan kerana ia dapat melembapkan kulit, menghalang pembentukan radikal bebas, menghalang penembusan UVA dalam kulit serta melambatkan pembentukan kedutan.

"Ini sangat ideal untuk produk kosmeseutikal kerana komposisinya yang sangat baik seperti kandungan tinggi asid lemak poli tak tepu (asid linoleik dan asid linolenik) dan sebatian antioksidan (fenolik dan flavonoid)," katanya.

Dr. Siti Salwa berkata kebiasaannya buah naga atau nama saintifiknya Hylocereus Polyrhizus dan Hylocereus Undatus sering digunakan



dalam produk makanan kerana ia mempunyai kandungan dan bahan aktif antioksidan yang sangat tinggi yang dapat membantu menyihatkan tubuh badan.

"Semua produk yang dihasilkan menggunakan statistik Design of Expert dan dibangunkan di makmal menggunakan kaedah tenaga penyeragaman rendah dan tinggi. Selain baik untuk diaplikasikan di dalam bidang kosmeseutikal, Naga Essence berpotensi di dalam bidang farmasutikal." ujar beliau.

farmasutikal," ujar beliau. Design of Expert terdiri daripada Response Surface Methodology, D-Optimal Mixture Design dan Artificial Neural Network software yang dapat menjimatkan masa, tenaga dan kos dalam membangunkan produk penyelidikan tersebut.

Beliau menjalankan penyelidikan itu sejak tahun 2011 dan sehingga kini masih meneruskannya bagi mencari penemuan baharu dengan dibantu oleh Prof. Dr. Mahiran Basri Dan Prof Madya Dr Rosnah Shamsudin. Penyelidikan ini juga dijalankan di Institut Penyelidikan Produk Halal, UPM.

Pelajar PhD, Hasmah Bidin, Pelajar Master Norsuhaili Kamairuddin, Suhana Mustafa dan pelajar Bacelor Nur Fareen Atila Hashim, Nur Amira Hanis Pilus, Syarifah Nurhafizah Lukman dan Khalijah Talha turut menjayakan penyelidikan itu.

Maklumat lanjut hubungi Hafliza Hussin, HP: 012-6550933.

8) Berita Harian, 23rd of April 2015, Thursday, page 3





SITI SALWA ABD. GANI (empat dari kiri) dan Zainal Abidin Talib (lima dari kiri) bersama penyelidik UPM memperkenalkan hasil produk kosmesutikal 'Naga Essence' yang pertama di Malaysia, dalam sidang akhbar di Kuala Lumpur, semalam.

'Naga Essence' produk kosmetik guna buah naga

KUALA LUMPUR 22 April - Sekumpulan penyelidik Universiti Putra Malaysia (UPM) hari ini memperkenalkan beberapa produk baharu kosmesutikal iaitu 'Naga Essence' yang berasaskan biji buah naga.

Ketua Penyelidik Pusat Asasi Sains Pertanian dan Jabatan Kimia Fakulti Sains UPM, Dr. Siti Salwa Abd. Gani berkata, penghasilan itu merupakan yang pertama di Malaysia kerana menggunakan buah pitaya atau naga, malah nisbah perlindungan sinaran ultra ungu A (UVA) berbanding ultra ungu B (UVB) adalah dalam kategori 'ultra' 1.390 iaitu di antara ratio 0.91 dan ke atas yang memberi kesan terbaik kepada pengguna.

kepada pengguna. "Biji buah naga itu sangat ideal untuk produk kosmetik kerana mengandungi asid lemak poli tak tepu yang tinggi dan sebatian antioksidan. "Naga Essence ini sesuai digunakan oleh individu yang menghadapi masalah kulit seperti kekeringan dan kedutan kerana ia dapat melembapkan kulit, menghalang pembentukan radikal bebas, menghalang penembusan ultraungu A (UVA) ke dalam kulit serta melambatkan pembentukan kedutan," katanya dalam sidang akhbar di sini hari ini.

Produk-produk yang berjaya dihasilkan adalah krim antipenuaan, gincu pelembap, sabun, skrub badan dan cecair pencuci badan atau tangan yang bertindak menyuburkan kulit

Menurut Siti Salwa, kos bagi menghasilkan produk tersebut adalah kira-kira RM300,000 yang diperoleh daripada geran UPM) iaitu Skim geran penyelidikan universiti (RUGS) bagi tempoh 2011 hingga 2013 dan PUTRA 2013-2015 sejak kajian dimulakan pada tahun pertamanya.

Katanya, antara penyelidik yang bersama-sama menghasilkan

produk tersebut ialah pelajar doktor falsafah (PhD), Hasmah Bidin; pelajar ijazah sarjana, Norsuhaili Kamairuddin; Suhana Mustafa dan pelajar ijazah sarjana muda, Nur Fareen Atila Hashim; Nur Amira Hanis Pilus; Syarifah Nurhafizah Lukman serta Khalijah Talha.

Penyelidikan itu turut dibantu oleh Prof. Dr. Mahiran Basri dan Prof. Madya Dr. Rosnah Shamsudin.

Siti Salwa menjelaskan, sebanyak 33 kilogram buah naga diperlukan bagi mendapatkan sekilogram biji dan seterusnya 300 gram Naga Essence.

Siti Salwa memberitahu, pihaknya masih mencari pelabur yang ingin mengkomersialkan produk itu.

Sementara itu, Dekan Fakulti Sains, Prof. Dr. Zainal Abidin Talib memberitahu, bagi peringkat fakulti secara puratanya mereka telah mempatenkan kira-kira 10 hingga 15 paten setiap tahun.

10) Harian Metro, 24th of April 2015, Friday, pages 48-49



11) Utusan, 27th of April 2015, Monday, page 18 (bahagian Mega/Mega Part)



12) Berita Harian, 28th of April 2015, Tuesday, page 11 (bahagian Family/Family Part)



Bronze Award

terdedah kepada sinaran ultra lembayung (UV), pemben tukan radikal oksigen bebas dan kesihatan kulit'

Antara produk kosmetik berasaskan buah naga. Siti Salwa Abdul Gani, Penyelidik UPM

"Produk ini amat sesuai digunakan dalam keadaan cuaca Khatulistiwa di Malay-sia dan negara kering empat musim serta Asia Barat," kata-nya ditemui baru-baru ini. Turrut hadir, Timbalan Pengarah Bahagian Edu-Park, Putra Science Park UPM, Prof Madya Dr Faridah Qamaruz Zaman dan Dekan Fakulti Sains. UPM, Prof Dr Zainal Abidin Talib.

bap bibir, lulur badan

serta cecair

Beira berkata, Beliau berkata, Krim antipenuaan yang dihasilkan daripada Naga menyelesaikan masyarakat hari ini yang juga dikenal pata berkan masyarakat hari ini yang juga dikenal pata berkan masyarakat hari ini yang juga dikenal pata berkan masyarakat hari ni yang juga dikenal pata berkan masyarakat hari ni yang juga dikenal pata berkan masyarakat hari ni yang berkan penganasan global menja dikan masalah ni semakin perinasan global menja dikan masalah ni semakatan pata beleh menyebabkan kanser kepada manusia,

Selesai masalah kulit Siti Salwa berkata, penyeli-dikan berterusan dan berpe-ringkat juga menghasilkan beberapa produk kosmetik lain yang dihasilkan daripa da Naga Essence seperti krim antipenuaan, sabun, pelem-

Dapat pengiktirafan -antarabangsa Selain kandungannya suci dan halal kerana dihasilkan daripada sumber asli dan bahan tumbuh-tumbuhan semula jadi, *Nega Essence* ini turut mendapat pengikti-rafan dari dalam dan huar negara

rafan dari dalam dan uar negara. Antaranya adalah pingat emas dalam Pameran Reka-cipta Penyelidikan dan Inovasi dulam Cabaran Inovasi Qu14 dan perak gaogsa bagi Anugerah Inovasi bagi Anugerah Inovasi bagi Anugerah Inovasi bada tahun 2014.

Bio (Bioteknologi Asia) pada tahun 2014. Ditanya mengenai keber-kesanan *Naga Essence* untuk bersaing dengan produk kos-metik sedia ada di pasaran, Siti Salwa berkata, beliau yakin ia mampu menembusi pasaran bukan hanya tempa-tan tetapi juga di luar negara berikutan khasiat tersendiri yang ada pada pati buah naga itu. itu

itu. "Masyarakat kini sudah ada kesedaran terhadap bahaya dan kesan buruk kulit yang terdedah kepada sina ran UV, selain kepentingan menjaga kesihatan kulit "Tambahan pula penggu-

mempromosikan p berkenaan kepada sy kosmetik yang ber untuk mengetenga Naga Essence secara k sial.

Buah naga

INFO

nggeris: Pitaya D Nama saintifik Hylocereus D Spesies buah naga t merah si merah) (kulit merah risi putih) eus megalar is (kulit ku isi merah





13) Kosmo, 29th of April 2015, Wednesday, page 34





14) Utusan (Mingguan Malaysia), 3rd of May 2015, Sunday, page 32

15) Sinar Harian, 10th of June 2015, Wednesday, page 8



16) Buletin Putra, December 2010

UPM Menang 3 Emas dan 2 Perak di INNOVA, Belgium



Dari kiri: Dr. Siti Salwa Abd Gani, Dr. Rosnah Shamsudin, Prof. Dr. Abdul Halim Shaari, Prof. Dr. Taufig Yap Yun Hin, Prof. Madya Dr. Abdul RAshid Mohamed Shariff

BRUSSELS- Seramai lima penyelidik Universiti Putra Malaysia (UPM) berjaya meraih satu anugerah khas dan lima pingat di World Exhibition on Innovation, Research and New Technologies (INNOVA) pada 18-20 November 2010.

Anugerah Khas daripada Romania dan pingat emas yang dimenangi oleh Prof. Dr. Abdul Halim Shaari ialah 'Novel Ceramics for Energy Storage' iaitu bahan seramik yang boleh menyimpan tenaga elektrik dengan banyak.

Bahan itu boleh digunakan dalam komponen-komponen kecil seperti kapasitor, penapis elektrik dan resisitor.

Prof. Dr. Y.H. Taufiq Yap Yun Hin menerima pingat emas melalui produknya VANPHOS : New Solvothermal Synthesised Vanadium Phosphate Catalysts for Light Alkane Oxidation iaitu cara baharu pemangkin kristal saiz mikro menggunakan media organik yang rendah dalam sistem autoclave dengan masa yang singkat.

Produk emas ketiga dimenangi oleh Prof. Madya Dr. Abdul Rashid Mohamed Shariff ialah Integrated 3D Terrain Visualizer iaitu sistem untuk mengambarkan bentuk topografi muka bumi dalam bentuk tiga dimensi melalui laman web persekitaran.

Manakala pingat perak dimenangi oleh Dr. Rosnah Shamsudin dengan produk Efficient

Jatropha Curcas L. Fruit Shelling Machine For Biodiesel Production iaitu sebuah mesin untuk memisahkan isi dan kulit buah jarak.

Pingat perak kedua dimenangi oleh Dr. Siti Salwa Abd Gani dengan produk Nano-Engkabang Formulations for Cosmeceutical Application iaitu menggunakan sistem nano teknologi untuk menghasilkan formulasi krim dan losyen kulit hidrasi.

Berita ini disunting oleh Seksyen Media, Publisiti dan Penerbitan UPM.