



Perkara **V** PENYELIDIKAN DAN PEMBANGUNAN



PENGIKTIRAFAN PENYELIDIKAN

Sepanjang tahun 2014, UniMAP melalui para penyelidikannya telah menyertai 8 pameran penyelidikan peringkat kebangsaan dan 8 penyertaan di peringkat antarabangsa.

Pameran di peringkat nasional dimulai dengan penyertaan di MTE 2014 apabila UniMAP berjaya meraih 34 pingat secara keseluruhan dengan pecahan 15 pingat emas, 11 perak dan 8 gangsa. UniMAP turut mencipta kejayaan manis apabila tiga produk emasnya berjaya merangkul Anugerah Terbaik. Dalam penyertaan di ITEX 2014, UniMAP berjaya mencipta tsunami emas apabila meraih 55 pingat emas, 14 perak dan 1 gangsa sekaligus dinobatkan sebagai johan keseluruhan, di samping membawa pulang 5 anugerah khas. Penyertaan di Bio Technology Asia atau dahulunya dikenali sebagai BioMalaysia and The BioEconomy Asia Pacific turut memberi pulangan yang baik kepada UniMAP apabila berjaya merangkul 2 emas, 4 perak dan 8 gangsa disamping dua anugerah Anugerah Terbaik. Selain itu, melalui pameran Malaysian Road Conference-Invention and Innovation Exhibition (MRC-IIE) 2014 para penyelidik UniMAP berjaya meraih 1 pingat emas dan 2 pingat gangsa. UniMAP turut berjaya meraih 2 pingat emas melalui International Innovation Festival 2014 (INNOFEST).

Melalui Malaysian Agricultural Innovation Challenge Magic 2014 (MAGIC) yang julung kali dianjurkan, penyelidik UniMAP berjaya meraih 1 pingat emas dan 1 pingat perak. UniMAP turut meraih 1 pingat emas dan 2 pingat gangsa menerusi penyertaan dalam The International Materials Technology Conference And Exhibition (IMTCE). Di samping itu juga, penyertaan pertama kali penyelidik UniMAP dalam The Asia Pacific ICT Awards (APICTA) berjaya dengan perolehan 1 pingat emas.

Kecemerlangan UniMAP bukan sekadar di peringkat kebangsaan. Pada 2014 UniMAP bersaing di 9 pameran berprestij yang dianjurkan di peringkat antarabangsa. Kejayaan UniMAP dimulai menerusi penyertaan di EUROINVENT 2014. Para penyelidik UniMAP berjaya merangkul 7 emas, 4 Perak dan membawa pulang 4 anugerah khas. Penyertaan penyelidik wanita UniMAP di Korean International Women's Invention Exposition (KIWIE) juga tidak menghampakan apabila berjaya meraih 3 pingat emas dan 3 perak serta 1 anugerah khas. Penyertaan UniMAP dalam 17th Moscow International Salon of Inventions and Innovation Technologies pula membawa pulangan sebanyak 6 emas, 4 perak dan 5 anugerah khas. Penglibatan UniMAP di Pameran Rekacipta Antarabangsa Kaohsiung (KIE 2014) yang berlangsung di Kaohsiung, Taiwan juga berhasil apabila berjaya menggondol 3 pingat emas dan 2 pingat perak dan 3 anugerah khas di dalam pameran tersebut.

Para penyelidik UniMAP turut cemerlang dalam British Invention Show (BIS) dengan memperolehi 4 emas, 3 perak dan 1 gangsa di samping berjaya menggondol 2 anugerah khas. Manakala penyertaan di Pameran International Trade Fair, Ideas, Invention of New Products (IENA) penyelidik UniMAP berjaya memperolehi 2 emas dan 1 perak, serta 1 anugerah khas. Melalui Pameran International

Exhibition of Inventions, Kunshan New Inventions, New Technologies and New Products (IEIK), di Kushan China, UniMAP berjaya menggondol 4 pingat emas, 2 pingat perak dan 3 pingat gangsa. Tirai penyertaan inovasi UniMAP di akhiri dengan penyertaan di SIFF 2014 di Korea Selatan di mana para penyelidik berjaya membawa pulang 3 emas, 7 perak dan 6 gangsa di samping 3 Anugerah Khas.

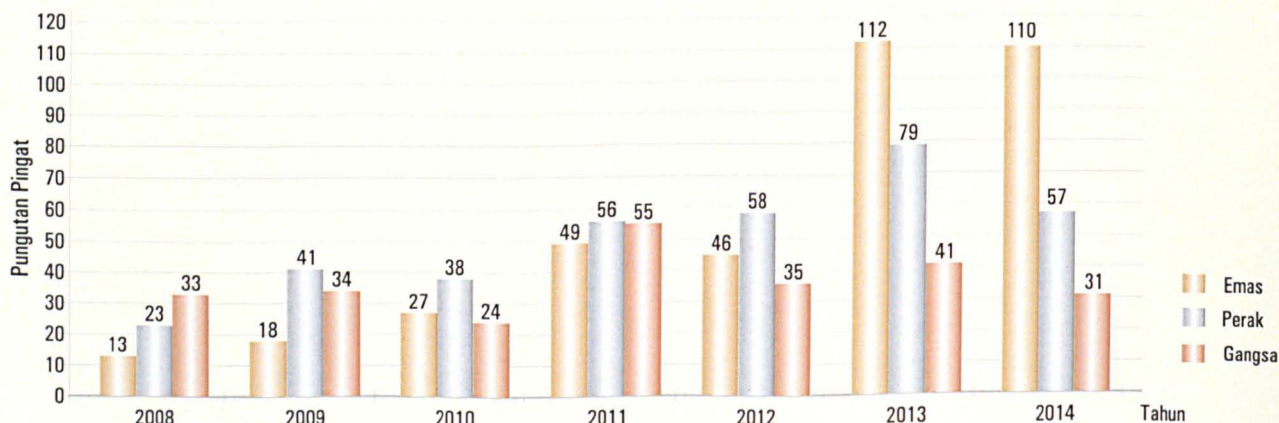
Menganalisa pencapaian semenjak penyertaan pertama UniMAP dalam aktiviti pameran pada tahun 2005, UniMAP terus menunjukkan prestasi meningkat dari tahun ke tahun. Ini adalah hasil daripada komitmen yang tinggi daripada penyelidik dalam penghasilan produk penyelidikan yang bermutu tinggi, serta semangat dan budaya penyelidikan yang diterapkan oleh pihak pengurusan tertinggi UniMAP.

Senarai pungutan pingat seperti jadual 1 di bawah :

Senarai Penuh Pungutan Pingat 2014

Bil.	Nama Pameran	Pingat			Anugerah Khas
		Emas	Perak	Gangsa	
Kebangsaan	1 13th Malaysia Technology Expo (MTE)	15	11	8	3
	2 International Invention, Innovation, Industrial Design & Technology Exhibition (ITEX)	55	14	1	4
	3 BioTechnology Asia @ BioMalaysia and The BioEconomy Asia Pacific	2	4	8	2
	4 International Materials Technology Conference And Exhibition (IMTCE)	1	0	2	0
	5 Malaysian Road Conference - Invention And Innovation Exhibition (MRC-IIE)	1	0	2	0
	6 Malaysian Agricultural Innovation Challenge (MAGIC)	1	1	0	0
	7 International Innovation Festival (INNOFEST)	2	0	0	0
	8 The Asia Pacific ICT Awards (APICTA)	1	0	0	0
Antarabangsa	9 European Exhibition of Creativity and Innovation (EUROINVENT) Romania	7	4	0	4
	10 Korea International Women's Invention Exposition (KIWIE)	3	3	0	1
	11 Moscow International Salon Of Inventions And Innovation Technologies	6	4	0	5
	12 Pameran Rekacipta Antarabangsa Kaohsiung (KIE)	3	2	0	3
	13 British Invention Show (BIS)	4	3	1	2
	14 International Trade Fair, Ideas, Invention of New Products (IENA)	2	1	0	1
	15 Seoul International Invention Fair (SIIF)	3	7	6	3
	16 International Exhibition Of Inventions Kunshan New Inventions, New Technologies And New Products (IEIK)	4	2	3	0
	17 12th International Innovation Arca 2014, Zagreb, Croatia	0	1	0	0
Jumlah Pingat		110	57	31	28

Jadual 1 : Jumlah Keseluruhan Pungutan Pingat Pameran Di Peringkat Nasional Dan Antarabangsa



Graf Perbandingan Pencapaian Pungutan Pingat (Tahun 2008 - 2014)

PENYELIDIKAN DAN PEMBANGUNAN

PENCAPAIAN PRODUK PENYELIDIKAN

Senarai Pencapaian Pingat Pameran Penyelidikan Peringkat Kebangsaan & Antarabangsa Tahun 2005 - 2014

Bil	Nama Pameran	2005			2006			2007			2008			2009			2010			2011			2012			2013			2014		
		Pingat			Pingat			Pingat			Pingat			Pingat			Pingat			Pingat			Pingat			Pingat					
		E	P	G	E	P	G	E	P	G	E	P	G	E	P	G	E	P	G	E	P	G	E	P	G	E	P	G	E	P	G
1	International Invention, Innovation, Industrial Design & Technology Exhibition (ITEX)	1	4	2	1	6	9	6	11	9	2	11	15	9	17	9	11	25	9	11	24	11	19	30	9	32	26	1	55	14	1
2	Persidangan dan Ekspo Ciptaan Institusi Pengajian Tinggi Antarabangsa (PECIPTA)	1	4	8				1	4	5				2	10	3				9	6	16				16	19	16			
3	International Exhibition of Invention New Techniques & Products, Geneva				1	2	0	1	1	2	1	2	0	0	3	3				2	2	0	1	3	0						
4	Malaysia Technology Expo (MTE)							1	1	1	2	3	11	1	7	9	2	8	12	4	7	16	5	14	16	7	10	10	15	11	8
5	International Trade Fair, Ideas, Inventions of New Products (IENA)							1	1	0	1	2	0	1	0	3	2	1	0	3	1	0	2	1	0	2	1	1	2	1	0
6	Pameran Brussels Innova Energy (EUREKA)							1	0	0	2	1	0																		
7	International Warsaw Invention Show (IWIS)							1	0	0										3	1	0				7	1	0			
8	Invention & New Products Exposition (INPEX)							0	1	0	1	2	1										2	0	0						
9	BioMalaysia and BioEconomy Asia Pacific										1	0	5	1	3	6	4	3	3	2	6	10	3	9	10	3	4	7	2	4	8
10	Seoul International Invention Fair (SIIF)										3	2	1	0	1	1	3	1	0	4	4	1	3	1	0	3	4	2	3	7	6
11	British Invention Show (BIS)													4	0	0	5	0	0	3	2	0	1	0	0	3	0	1	4	3	1
12	International Invention Show (INOVA) Croatia																			8	3	1	3	0	0	3	1	0			
13	European Exhibition of Creativity and Innovation (EUROINVENT) Romania																						4	0	0	10	3	0	7	4	0
14	International Exhibition of Inventions (Kunshan), New Techniques & Products (IEIK)																						2	0	0				4	2	3
15	Korea International Women's Invention Exposition (KIWIE)																						1	0	0	3	5	4	3	3	0
16	Asian Young Inventors For Young Inventors (AYIE)																									10	0	0			
17	Macau International Innovation & Invention Expo (CM)																									11	7	0			
18	International Youth Invention Contest (IYIC)																									4	2	0			
19	Taipei International Invention Show & Technomart (INST)																									1	0	1			
20	International Materials Technology Conference And Exhibition (IMTCE)																												1	0	2
21	Malaysian Road Conference -Invention And Innovation Exhibition (MRC-IIE)																												1	0	2
22	Malaysian Agricultural Innovation Challenge (MAGIC)																												1	1	0
23	International Innovation Festival (INNOFEST)																												2	0	0
24	The Asia Pacific Ict Awards (APICTA)																												1	0	0
25	Moscow International Salon of Inventions And Innovation Technologies																												6	4	0
26	12th International Innovation Arca 2014, Zagreb, Croatia																												0	1	0
27	Pameran Rekacipta Antarabangsa Kaohsiung (KIE)																												3	2	0
Jumlah		2	8	10	2	8	9	12	19	17	13	23	33	18	41	34	27	38	24	49	56	55	46	58	35	112	79	41	110	57	31

SENARAI PENCAPAIAN PRODUK PENYELIDIKAN

[PERINGKAT ANTARABANGSA]

SEOUL INTERNATIONAL INVENTION FAIR (SIIF), SOUTH KOREA

Pingat EMAS:

PM Dr. Rizalafande Che Ismail

Dr. Sohiful Anuar Zainol Murad

Dr. Mohd. Nazrin Md. Isa

Produk: High-Speed, Cost-Effective and Accurate Arithmetic Unit Using Logarithmic Number System for 3D Transformation Architecture

PM Dr. Mohammad Iqbal Omar

Prof. Dr. Ali Yeon Md. Shakaff

Dr. Ammar Zakaria

Dr. Latifah Munirah Kamarudin

Dr. Amizah Othman

Dr. Yeap Ewe Juan

Syed Muhammad Mamduh

Mohd Sadek

Azian Azamimi

Nurlisa Yusuf

Produk: Rapid Bacteria Species Detection for Diabetic Foot Infection

Prof. Dr. Uda Hashim

Sharipah Nadzirah Syed Ahmad Ayob

Dr. Ruslinda A. Rahim

Produk: E-Coli DNA Test Kit (E.D KIT)

Pingat PERAK:

Noorina Hidayu Jamil

Wan Mohd. Arif W. Ibrahim

Faizul Che Pa

Ruhuyuddin Mohd. Zaki

Shahrizam Saad

Murizam Darus

Mohamed Faisal Mohamed Nor

Produk: GG Powder

Dr. Mohd Rashidi Che Beson

Prof. Dr. Syed Alwee Aljunid Syed Junid

PM Ir. Dr. Anuar Mat Safar

Abdullah Omar Ali Al-Dhaibani

Tengku Faslilidiana Tengku Putra

Produk: Optical CDMA System Using Novel Modified Double Weight (MDW) Code for Industrial Applications

Dr. M. Murugappan

M Vasanthan

Produk: Real Time Human Emotion Revealing Based Home Appliance Control Through Optical Flow Algorithm

Dr. Sohiful Anuar Zainol Murad

Dr. Mohd. Nazrin Md. Isa

PM Dr. Rizalafande Che Ismail

Mohd. Fairus Ahmad

Produk: Ultra-Compact Power Amplifier Wireless Sensor Networks for Agriculture

Dr. Ragnathan a/l Santiago

Vasanthan A/L Maruthapillai

Allan Melvin A/L Andrew

Datuk Prof. Dr. Kamarudin Hussin

Sumathy A/P Muniandy

Produk: WEC-BREAKER : Novel Electro-Aquatic Circuit Breaker in Flood Prone Areas From E-Waste

PM Ir. Dr. Kenneth Sundaraj

Produk: iPad-Intelligent Pulmonary

Auscultation & Diagnosis

Rozyanty Rahman

Nasaruddin Mohamad Nor

Nur Firdaus Mohamed Yusof

Produk: "Kenaf-Septank" A Green Hybrid

Septic Tank And High Performance

Composite

Pingat GANGSA:

Zuraini Mohd Ideris

Dr. Nasrul Hamidin

Mohd. Faizal Ab. Jalil

Dr. Ragnathan A/L Santiago

Produk: Health Risk Assessment in Human Environment

PM Dr. Mohd. Fareq Abd. Malek

Lee Yeng Seng

Baharuddin Ismail

Produk: Design & Development The

Frequency Selective (Fss) To Enhance The

Wlan Application Signal

Aimi Noorliyana Hashim

Kamrosni Abdul Razak

Noor Azira Mohd. Noor

Produk: ECO-Slag Cement

Dr. Ruslinda A. Rahim

Produk: Nano Chanel Solution Gate Field-

Effect Transistor (SGFET) for Protein

Detection

Dr. Sam Sung Ting

Nuradibah Mohd. Amer

Ainaton Nadirah Azmi

Nurul Hani Md. Zubir

Produk: MULDEGRA

PM Dr. Zainab Hamzah

Sarojini Jeyaraman

Nur Hulwani Ibrahim

PM Dr. Othman Hashim

Datuk Prof. Dr. Kamarudin Hussin

Produk: Value added Product From EBN Waste For The Cosmetic Industry

BRITISH INVENTION SHOW (BIS), LONDON

Pingat EMAS:

Dr. Shahrizan Abu Bakar

Lee Hoi Leong

Prof. Dr. Sazali Yaacob

PM Dr. Mohammad Iqbal Omar

PM Dr. Wan Khairunizam Wan Ahmad

Dr. Mohd. Afendi Rojan

Dr. Zuradzman Mohamad Razlan

Dr. Cheng Ee Meng

PM Dr. Hazry Desa

Dr. Siti Khadijah Za'aba

Dr. Shafriza Nisha Basah

Nazrul H. Adnan

Produk: I-Phad: Hemodynamic Assessment Tool

Dr. Shahrizan Abu Bakar

Rozman Abd. Rahim

Dr. Cheng Ee Meng

Norazli Ahmad

Mohd Syakir Mohd Shuhaimi

Dr. Zuradzman Mohamad Razlan

PM Dr. Hazry Desa

PM Dr. Wan Khairunizam Wan Ahmad

Dr. Mohd. Afendi Rojan

Dr. Siti Khadijah Za'aba

Dr. Shafriza Nisha Basah

Mohd. Yamin Jamil

Nazrul H. Adnan

Produk: Mobility Free Lifesystem

PM Dr. Mohd Mustafa Al Bakri Abdullah

Datuk Prof. Dr. Kamarudin Hussin

PM Dr. Che Mohd. Ruzaidi Ghazali

Muhammad Faheem Mohd. Tahir

Mohammad Tamizi Selimin

Dr. Norazian Mohamed Noor

Produk: Geopolymer Brick & Block Making Machine

Farah Farhana Zainal

PM Dr. Mohd Mustafa Al Bakri Abdullah

Datuk Prof. Dr. Kamarudin Hussin

Prof. Dr. Azmi Rahmat

Liyana Jamaludin

Rafiza Abdul Razak

Produk: Anti Corrosion Coating

Pingat PERAK:

Prof. Dr. Syed Alwee Aljunid Syed Junid

PM Ir. Dr. Anuar Mat Safar
Dr. Mohd Rashidi Che Beson
Abdullah Omar Ali Al Dhaibani
Tengku Faslilidiana Tengku Putra
Produk: Triple Play Service Zero Cross-Correlation for FTTH-OCDMA Systems

Prof. Ir. Dr. Rezuwan Kamaruddin

Datuk Prof. Dr. Kamarudin Hussin
PM Dr. Mahmad Nor Jaafar
Produk: Greenhouse With Fertigation In Tropics

Prof. Ir. Dr. Rezuwan Kamaruddin

Prof. Dr. Syed Alwee Aljunid Syed Junid
Dr. Naseer Sabri Salim
Produk: Solar_Dryer Structure_In Agriculture

Pingat GANGSA:

Prof. Dr. Syed Alwee Aljunid Syed Junid

PM Ir. Dr. Anuar Mat Safar
Dr. Mohd Rashidi Che Beson
Dr. Hamza Mohammed Ridha Al-Khafaji
Tengku Faslilidiana Tengku Putra
Produk: Single Photodiode Detection for OCDMA Industrial Network Application

17TH MOSCOW INTERNATIONAL SALON OF INVENTIONS & INNOVATION TECHNOLOGIES

Pingat EMAS:

PM Dr. Mohd Mustafa Al Bakri Abdullah

Datuk Prof. Dr. Kamarudin Hussin
Dr. Kahtan S. Mohammed
PM Dr. Che Mohd. Ruzaidi Ghazali
Muhammad Faheem Mohd. Tahir
Ali Basheer Azeez
Zarina Yahya
Produk: Geopolymer Composite Radiation Shielding Panel

Norshah Afizi Shuaib

Irfan Abd. Rahim
Shayfull Zamree Abd. Rahim
Mohd. Nasir Mat Saad
Mohd. Fidzwan Md. Amin Hamzas
Amarul Talip
Mohd Khairul Fadzly Abu Bakar
Mohd. Fathullah Ghazli@Ghazali
Badrul Azmi Abdul Holed
Produk: Roadside Wind & Pressure Energy Harvester

Mohd. Nasir Mat Saad

Khairul Azwan Ismail
Shayfull Zamree Abd. Rahim
Norshah Afizi Shuaib
Mohd. Fathullah Ghazli@Ghazali
Mohd. Effendi Muhammad Suandi
Muhamad Farizuan Rosli
Irfan Abd. Rahim
Produk: Multi-Objective Optimization of Plastic Injection Molding Process

Dr. Syed Zulkarnain Syed Idrus

Dr. Norshahrizan Nordin
Ku Amir Ku Daud
Produk: Soft Biometrics For Keystroke Dynamics Based User Authentication

PM Dr. Che Mohd. Ruzaidi Ghazali

PM Dr. Mohd Mustafa Al Bakri Abdullah
Datuk Prof. Dr. Kamarudin Hussin
Alida Abdullah
Muhammad Faheem Mohd. Tahir
Muhammad Firdaus Abu Hashim
Produk: Continous Fiber - Geopolymer Composite Via Filament Winding

Dr. Nik Noriman Zulkepli

Haliza Jaya
Nur Suhaili Abdul Wahab
Mohamad Hazwan Subli
Produk: Greenplast - Novel Oxo-Biodegradable Plastics Using Natural Pro-Oxidant

Pingat PERAK:

Mohd Khairul Fadzly Abu Bakar

Amarul Talip
Shayfull Zamree Abd. Rahim
Mohd. Nasir Mat Saad
Mohd. Fidzwan Md. Amin Hamzas
Norshah Afizi Shuaib
Badrul Azmi Abdul Holed
Mohd. Fathullah Ghazli@Ghazali
Irfan Abd. Rahim
Produk: Low Cost Home Automation System

Amarul Talip

Mohd Khairul Fadzly Abu Bakar
Shayfull Zamree Abd. Rahim
Mohd. Nasir Mat Saad
Mohd. Fidzwan Md. Amin Hamzas
Norshah Afizi Shuaib
Badrul Azmi Abdul Holed
Irfan Abd. Rahim
Mohd. Fathullah Ghazli@Ghazali
Produk: APRS Igate for Amateur Radio

PM Dr. Che Mohd. Ruzaidi Ghazali

PM Dr. Mohd Mustafa Al Bakri Abdullah
Datuk Prof. Dr. Kamarudin Hussin
Prof. Dr. Shamsul Baharin Jamaludin
Alida Abdullah
Mohamed Faisol Mohamed Nor
Produk: Industrial Solid Waste Brake Pad

Dr. Mohd Firdaus Omar

Dr. Nik Noriman Zulkepli
Dr. Sam Sung Ting
Produk: Pulfmap - A New Generation Of Lightweight Structural

KOREAN INTERNATIONAL WOMEN'S INVENTION EXPOSITION (KIWIE), SOUTH KOREA

Pingat EMAS:

Sharifah Zaliha Syed Zuber

PM Dr. Mohd Mustafa Al Bakri Abdullah
Datuk Prof. Dr. Kamarudin Hussin
Muhammad Faheem Mohd. Tahir
Noor Fifatasha Shahedan
Dr. Norazian Mohamed Noor
Produk: Geopolymerization Method For Soil Stabilization Application

Aimi Noorliyana Hashim

Noor Mariamadzliza Mohd. Nan
Kamrosni Abdul Razak
Noor Azira Mohd. Noor
Produk: Eco-Slag Cement

Noorina Hidayu Jamil

Wan Mohd. Arif W. Ibrahim
Faizul Che Pa
Ruhuyuddin Mohd. Zaki
Shahrizam Saad
Murizam Darus
Mohamed Faisol Mohamed Nor
Produk: AgriGlas: From Agricultural Waste To Glass & Ceramic Product

Pingat PERAK:

Aimi Noorliyana Hashim

Faizul Che Pa
PM Dr. Che Mohd. Ruzaidi Ghazali
Produk: EcOdor Buster

Romisuhani Ahmad

PM Dr. Mohd Mustafa Al Bakri Abdullah
Datuk Prof. Dr. Kamarudin Hussin
Muhd. Izzat Ahmad
PM Dr. Che Mohd. Ruzaidi Ghazali
Alida Abdullah
Nur Ain Jaya

SENARAI PENCAPAIAN PRODUK PENYELIDIKAN

Produk: A Novel Geopolymer Ceramic

PM Dr. Mohd Mustafa Al Bakri Abdullah

Sharifah Zaliha Syed Zuber

Datuk Prof. Dr. Kamarudin Hussin

Ali Basheer Azeez

Dr. Kahtan S. Mohammed

PM Dr. Che Mohd. Ruzaidi Ghazali

Romisuhani Ahmad

Produk: Anti Radiation Geopolymer

Composite

INTERNATIONAL TRADE FAIR, IDEAS - INVENTIONS OF NEW PRODUCTS (IENA), GERMANY

Pingat EMAS:

Dr. Hakimah Osman

Produk: HYPO - G : Newly Developed Natural

Rubber Glove with Tapioca Tree Latex

Fathinul Syahir Ahmad Sa'ad

Prof. Dr. Ali Yeon Md. Shakaff

Dr. Ammar Zakaria

Shaharil Md. Saad

Mohd. Firdaus Ibrahim

Produk: FRIn™ - Fruit Ripeness Indicator

Pingat PERAK:

PM Dr. Abu Hassan Abdullah

Prof. Dr. Ali Yeon Md. Shakaff

Prof. Dr. Abdul Hamid Adom

Dr. Ammar Zakaria

Fathinul Syahir Ahmad Sa'ad

Mohd Al Haffiz Saad

Mohd Faizal Ab. Jalil

Norasmadi Abdul Rahim

Huzein Fahmi Hawari

Produk: HAZSens: Web-Based Machine

Olfaction System for Atmospheric Hazards

6TH EUROPEAN EXHIBITION OF CREATIVITY AND INNOVATION (EUROINVENT)

Pingat EMAS:

Alida Abdullah

PM Dr. Mohd Mustafa Al Bakri Abdullah

Datuk Prof. Dr. Kamarudin Hussin

PM Dr. Che Mohd Ruzaidi Ghazali

Rafiza Abdul Razak

Zarina Yahya

Produk: Fly Ash Artificial Geopolymer

Aggregate Using Low Temperature

Dr. Mohd Firdaus Omar

Dr. Nik Noriman Zulkepli

Dr. Sam Sung Ting

Produk: BioxdPlast - A Novel Natural Pro-

Oxidant for Biodegradable Plastic

Dr. Mohd Firdaus Omar

Haliza Jaya

Nur Suhaili Abdul Wahab

Mohamad Hazwan Subli

Produk: PulFF - A New Sustainable

Lightweight Structural

PM Dr. Mohd Mustafa Al Bakri Abdullah

Datuk Prof. Dr. Kamarudin Hussin

PM Dr. Che Mohd. Ruzaidi Ghazali

Muhammad Faheem Mohd. Tahir

Mohammad Tamizi Selimin

Wan Mastura Wan Ibrahim

Mohd. Arif Anuar Mohd. Salleh

Produk: Towards Green Construction

Materials: Geopolymer Composite Brick

Fabrication Machine Vol. 2.0

Dr. Norazian Mohamed Noor

PM Dr. Mohd Mustafa Al Bakri Abdullah

PM Dr. Ahmad Shukri Yahaya

Wong Yee Shian

Produk: SSDEM©: Statistical Software for

Filling Missing Observations and Fitting

Distribution in Air Pollutant Monitoring Data

Mohd. Fathullah Ghazli@Ghazali

Datuk Prof. Dr. Kamarudin Hussin

Shayfull Zamree Abd. Rahim

Norshah Afizi Shuaib

Mohd. Nasir Mat Saad

Muhamad Farizuan Rosli

Mohd. Effendi Muhammad Suandi

Produk: Novel Red Phosphor for LEDs and

Displays

Dr. Syed Zulkarnain Syed Idrus

Sharmini Abdullah

Dr. Ku Mohd. Nabil Ku Hamid @ Ku Ismail

Produk: Enhancing Keystroke Dynamics

Biometric Systems With Soft Biometrics

Pingat PERAK:

Shayfull Zamree Abd. Rahim

Datuk Prof. Dr. Kamarudin Hussin

Mohd. Nasir Mat Saad

Mohd. Fathullah Ghazli@Ghazali

Irfan Abd. Rahim

Muhamad Farizuan Rosli

Mohd. Effendi Muhammad Suandi

Produk: Improving Quality And Productivity

In Rapid Heat Cycle Molding with A New

Design Of Conformal Cooling Channels

Dr. Mukhzeer Mohamad Shahimin

Dr. Mohamad Halim Abd. Wahid

Khor Kang Nan

Produk: Integrated Optical Biosensor for

Early Dengue Detection

Dr. Syed Zulkarnain Syed Idrus

Ku Amir Ku Daud

Dr. Norshahrizan Nordin

Sharmini Abdullah

Produk: Soft Biometrics Database: A

Benchmark For Keystroke Dynamics

Biometric Systems

Alida Abdullah

Mohd. Arif Anuar Mohd. Salleh

Dr. Norainiza Saud

PM Dr. Mohd Mustafa Al Bakri Abdullah

Datuk Prof. Dr. Kamarudin Hussin

Flora Somidin

Produk: Nanocomposite Solder Material

Fabricated using Innovative Hybrid

Microwave Assisted Rapid Sintering

KOAHSIUNG INTERNATIONAL INVENTION EXHIBITION (KIIE 2014)

Pingat EMAS:

Dr. Mukhzeer Mohamad Shahimin

Produk: Ameliorated Solar Cell

Dr. Norazian Mohamed Noor

PM Dr. Mohd Mustafa Al Bakri Abdullah

PM Dr. Ahmad Shukri Yahaya

Prof. Dr. Nor Azam Ramli

Produk: APP©: Statistical Software for

Predicting Air Pollutant

Dr. Liew Yun Ming

Dr. Heah Cheng Yong

PM Dr. Mohd Mustafa Al Bakri Abdullah

Datuk Prof. Dr. Kamarudin Hussin

PM Dr. Che Mohd Ruzaidi Ghazali

Produk: Fire-Shield Paint

Pingat PERAK:

Dr. Mukhzeer Mohamad Shahimin

Dr. Mohamad Halim Abd. Wahid

Produk: Fibre Optic Based Structural Sensor

Shamala A/P Ramasamy

Noor Fifinatasha Shahedan

PM Dr. Mohd Mustafa Al Bakri Abdullah

Datuk Prof. Dr. Kamarudin Hussin

PM Dr. Che Mohd. Ruzaidi Ghazali

Produk: Novel GeoGreen-Coat

THE 8TH INTERNATIONAL EXHIBITION OF INVENTIONS KUNSHAN (IEIK 2014), KUNSHAN, CHINA

Pingat EMAS:

Wan Mohd. Arif W. Ibrahim

Noorina Hidayu Jamil
Faizul Che Pa
Ruhuyuddin Mohd. Zaki
Murizam Darus

Produk: CERADEN-AGRIGLASS

Shamala A/P Ramasamy

PM Dr. Mohd Mustafa Al Bakri Abdullah
Datuk Prof. Dr. Kamarudin Hussin
PM Dr. Che Mohd. Ruzaidi Ghazali
Noor Fifinatasha Shahedan
Produk: Novel Geo-Green Coat

Amarul Talip

Mohd. Nasir Mat Saad
Shayfull Zamree Abd. Rahim
Irfan Abd. Rahim
Mohd Khairul Fadzly Abu Bakar
Badrul Azmi Abdul Holed
Norshah Afizi Shuaib
Mohd. Fidzwan Md. Amin Hamzas
Produk: PDIGI IGATE

Mohd Khairul Fadzly Abu Bakar

Amarul Talip
Shayfull Zamree Abd Rahim
Mohd Fidzwan Md Amin Hamzas
Mohd Nasir Mat Saad
Badrul Azmi Abdul Holed
Norshah Afizi Shuaib
Irfan Abd Rahim
Produk: GSM Temperature Alert System to Detect Human Body Temperature

Pingat PERAK:

Dr. Noorhafiza Muhammad

Mohd. Shuhidan Saleh
Produk: Multi-Phase Smoothed Particle Hydrodynamics (SPH) Modelling For Laser Micromachining

Noorina Hidayu Jamil

Wan Mohd Arif W. Ibrahim
Faizul Che Pa
Ruhuyuddin Mohd. Zaki
Murizam Darus
Produk: AGRIGLASS

Pingat GANGSA:

Dr. Noorhafiza Muhammad

Mohd. Shuhidan Saleh
Produk: Underwater Femtosecond Laser Micromachining For Medical Stent Manufacture

Rafiza Abdul Razak

PM Dr. Mohd Mustafa Al Bakri Abdullah
Alida Abdullah
Datuk Prof. Dr. Kamarudin Hussin
Zarina Yahya
Produk: Artificial Geopolymer Aggregate

Shayfull Zamree Abd. Rahim

Mohd. Nasir Mat Saad
Mohd. Fathullah Ghazali@Ghazali
Irfan Abd. Rahim
Muhamad Farizuan Rosli
Mohd. Effendi Muhammad Suandi
Produk: New Design of Milled Groove Square Shape Conformal Cooling Channel for Conventional and Rapid Heal Cycle Molding

12TH INTERNATIONAL INNOVATION EXHIBITION ARCA 2014, ZAGREB, CROATIA

Pingat PERAK:

Dr. Nik Noriman Zulkepli

Dr. Luqman Musa
PM Dr. Mohd Mustafa Al Bakri Abdullah
Haliza Jaya
Nur Suhaili Abdul Wahab
Mohamad Hazwan Subli
Ainatun Nadirah Azmi
Nuradibah Mohd. Amer
Produk: AGRINOPRO - Agricultural Film Using Natural Resources As Green Pro-Oxidant



[PERINGKAT KEBANGSAAN]

13TH MALAYSIA TECHNOLOGY EXPO (MTE) 2014

Pingat EMAS:

Prof. Dr. Syed Alwee Aljunid Syed Junid

PM Ir. Dr. Anuar Mat Safar
Dr. Mohd Rashidi Che Beson
Dr. Hamza Mohammed Ridha Al-Khafaji
Dr. Junita Mohd. Nordin
Abdullah Omar Ali Al-Dhaibani
Tengku Fasilidiana Tengku Putra
Produk: High Capacity OCDMA System Using Novel Flexible Cross Correlation (FCC) Code

Dr. Mohd Hafiz Fazalul Rahiman

Produk: Ultrasonic Tomograph

Gomesh Nair A/L Shasidharan

Dr. Muhammad Irwanto Misrun
Mohd. Irwan Yusoff
Syafinar Ramli
Produk: Fabrication of DSSC with A Novel Organic Dye from 'Keriang' Fruit

PM Dr. Hazry Desa

Dr. Zuradzman Mohamad Razlan
PM Dr. Wan Khairunizam Wan Ahmad
Dr. Shahrman Abu Bakar
Khairul Azmir Azudin
Muhammad Najib Khir Othman
Produk: AQUA-X Under Water Mobile Robot for Underwater Surveillance Applications

Dr. M. Murugappan

M Vasanthan
Produk: Virtual Markers Based Facial Emotional Revealing for Home Appliances Control Through Optical Flow Algorithm (V-FACE)

Dr. Mohd Firdaus Omar

Prof. Hazizan Md Akil
Dr. Sam Sung Ting
Dr. Nik Noriman Zulkepli
Lokman Hakim Ibrahim
Produk: PulFMAP: A New Generation Of Lightweight Structural

Mohammad Nuzaihan Md. Nor

Prof. Dr. Uda Hashim
Siti Fatimah Abd. Rahman
Dr. Mohd. Khairuddin Md. Arshad
Dr. Ruslinda A. Rahim
Hasrul Hisham Che Ahmad
Produk: Highly Sensitive Green Wire Sensor

SENARAI PENCAPAIAN PRODUK PENYELIDIKAN

Dr. Norainiza Saud

Nurul Razliana Abdul Razak

Zawawi Mahim

Mohd. Arif Anuar Mohd. Salleh

Dr. Mohd. Nazree Derman

Muhammad Hafiz Zan@Hazizi

Produk: Green High Temperature Composite Solder**PM Ir. Dr. Kenneth Sundaraj**Produk: iPad-Intelligent Pulmonary

Assessment & Diagnosis

Prof. Dr. Uda Hashim

Sharipah Nadzirah Syed Ahmad Ayob

Produk: E.COLI DNA Test Kit**PM Dr. Mohd Mustafa Al Bakri Abdullah**

Datuk Prof. Dr. Kamarudin Hussin

PM Dr. Che Mohd. Ruzaidi Ghazali

Muhammad Faheem Mohd. Tahir

Mohammad Tamizi Selimin

Wan Mastura Wan Ibrahim

Produk: GeoBRICK MACHINE: Towards Green Construction Materials**Prof. Ir. Dr. Rezuwan Kamaruddin**

Datuk Prof. Dr. Kamarudin Hussin

PM Dr. Mahamad Nor Jaafar

Mohd. Hishamuddin Che Mat

Ahmad Azudin Nordin

Razif Omar

Produk: Naturally Ventilated Tropical Greenhouse Structure for Commercial Harumanis Production**Prof. Dr. Syed Alwee Aljunid Syed Junid**

PM Ir. Dr. Anuar Mat Safar

Dr. Mohd Rashidi Che Beson

Dr. Abdul Rahman Kram

Tengku Fasilidiana Tengku Putra

Produk: Hybrid Subcarrier Multiplexing Modified Double Weight OCDMA Fiber-Wireless Access Network**PM Dr. Supri A. Ghani**

Siti Hajar Mohd. Din

Mohd. Hanif Mohd. Pital

Fatimah Abd. Rajak

Produk: Cellulose-Glycosilic From Collocasia Esculenta as Reinforced in Ligh Weight Plate**Dr. Hakimah Osman**

Dr. Zunaida Zakaria

Nur Firdaus Mohamed Yusof

Noor Marlyna Ismail

Dr. Muzamir Isa

Produk: Maturation Free Process In Natural Rubber Latex Operations Towards Energy

Saving and Environmental Protection

Pingat PERAK:**PM Dr. Abu Hassan Abdullah**

Dato' Dr. Othman Omar

Prof. Dr. Ali Yeon Md. Shakaff

Prof. Dr. Abdul Hamid Adom

Dr. Ammar Zakaria

Fathinul Syahir Ahmad Sa'ad

Norasmadi Abdul Rahim

Huzein Fahmi Hawari

Mohd. Al Haffiz Saad

Maz Jamilah Masnan

Produk: Aromatic Rice Classification System (ARCSys)**Dr. Irwana Nainggolan**

Devi Shantini

Produk: Milk Powder Quality Degradation Sensor**Dr. Muhammad Irwanto Misrun**

Prof. Dr. R. Badlishah Ahmad

PM Dr. Mohd. Fareq Abd. Malek

Dr. Muzamir Isa

Gomesh Nair a/l Shasidharan

Mohd. Irwan Yusoff

Mahrizal Masri

Produk: Transformerless Photovoltaic Inverter (TPVI) Using AC Load Interchange Controller**Assoc. Prof. Dr. Yarub Al-Douri**

Safaa Idan Mohammed

Prof. Dr. Uda Hashim

Produk: Photodetectors Based-ZN Doped PB12 Nanostructures**Dr. Mohd. Afendi Rojan**

Muhammad Azrie Husainy Mohd. Jasri

Izzawati Basirom

Siti Nurhashima Mohd. Isa

Nor Bakyah Abu

Dr. Nik Noriman Zolkepli

Dr. Shuhaida Yahud

Dr. Nasrul Amri Mohd. Amin

Produk: New Adhesive From Recycled Polystyrene**PM Ir. Dr. Anuar Mat Safar**

Prof. Dr. Syed Alwee Aljunid Syed Junid

Dr. Mohd Rashidi Che Beson

Siti Fatimah Harun

Dr. Junita Mohd. Nordin

Tengku Fasilidiana Tengku Putra

Produk: Precise Gauging Structural Train Wheel Condition Monitoring**PM Dr. Ir. Salmah Husseinsyah**

Chan Ming Yeng

Koay Seong Chun

Produk: Bioplast Corn Cob Film**Farah Farhana Zainal**

Datuk Prof. Dr. Kamarudin Hussin

Prof. Dr. Azmi Rahmat

PM Dr. Mohd Mustafa Al Bakri Abdullah

Shaiful Rizam Shamsuddin

Produk: Fully Protected System For Reinforcement Bar In Geopolymer Concrete**Dr. Latifah Munirah Kamarudin**

Noraini Azmi

Dr. Ammar Zakaria

Dr. Mohd. Najmuddin Mohd. Hassan

Produk: C-SURF: Automated Channel Selection (ACS) in IEEE 802.15.4 WSN 2.4GHz ISM Spectrum For Coexistence Mitigation**Noor Shazliana Aizee Abidin**

Mohd. Hishamuddin Che Mat

Fathinul Syahir Ahmad Sa'ad

Siti Nadherah Mohamad

Produk: Comparing Of Physicochemical Properties Of Peel, Pulp and Seed Kernel Flour From Perlis Sunshine Mango Fruit**Roshazita Che Amat**

Norlia Mohamad Ibrahim

Nur Liza Rahim

PM Dr. Khairul Nizar Ismail

Dr. Khairul Rafezi Ahmad

Produk: Bottom Ash BinderPingat GANGSA:**Mohd. Irwan Yusoff**

Dr. Safwati Ibrahim

Gomesh Nair a/l Shasidharan

Dr. Muhammad Irwanto Misrun

Produk: PV/Wind Hybrid Inverter with Mitigation of Current Total Harmonic Distortion**Dr. Mukhzeer Mohamad Shahimin**Produk: Ameliorated Solar Cell**PM Dr. Zainab Hamzah**

Faezah Ahmad

PM Dr. Othman Hashim

Ruzaini Abdullah

Produk: Rapid and Solvent Free Extraction Of Oil Seed Crops Using Microwave Assisted Extraction

Norlia Mohamad Ibrahim

PM Dr. Khairul Nizar Ismail
Shamshinar Salehuddin
Roshazita Che Amat
Mustaqqim Abdul Rahim
Nur Liza Rahim
Abdul Rahim Abdul Razak
Produk: Innovative IBS Block

Wee Fwen Hoon

PM Dr. Mohd. Fareq Abd. Malek
Lee Yeng Seng
Liew Hui Fang
Produk: Dielectric Material Antenna for
Transceiver Application (Di. MATA)

Dr. Muammar Mohamad Isa

Dr. Norhawati Ahmad
Produk: Novel High Breakdown InGaAs /
InAlAs pHEMT Device for High Power-Low
Noise Applications

Dr. Muzammil Jusoh

Sahadah Ahmad
PM Dr. Mohd. Fareq Abd. Malek
Che Muhammad Noor Che Isa
Dr. Abdul Hafizh Ismail
Shakirul Mat Salleh
Produk: WETEX-Wearable Textile Antenna

Aimi Noorliyana Hashim

Mohd Darus Daud
Produk: Eco Activated Charcoal Fiber Sheet

**25TH INTERNATIONAL INVENTION,
INNOVATION & TECHNOLOGY
EXHIBITION (ITEX) 2014**

Pingat EMAS:

PM Dr. Supri A. Ghani

Mohd. Hanif Mohd. Pisal
Fatimah Abd. Rajak
Mohd. Hishamuddin Che Mat
Produk: UniMAP Biofiber Fertilizer

Dr. Mohd. Najmuddin Mohd. Hassan

Dr. Latifah Munirah Kamarudin
Dr. Ammar Zakaria
PM Mohabattulzaman SNS Bukhari
PM Dr. Mohammad Iqbal Omar
Kamarulzaman Kamarudin
Mohd Firdaus Ibrahim
Sukhairi Sudin
Produk: HeWi Bridge : Compact
Heterogenous Wireless Network Bridge for
Healthcare Applications

Prof. Dr. Uda Hashim

Sharma Rao a/l Balakrishnan
Produk: Pregnancy And Gestational Diabetic
Quantitative Measurement Using Nano Lab-
On-Chip For Prenatal Care

PM Dr. Muhammad Syarhabil Ahmad

Prof. Dr. Awang Soh Mamat
Dalila Nasshorudin
Produk: Green Technology Solventless
Extraction of Beneficial Essential Oils

Dr. Layth Abdulkareem Hassanawi

Prof. Dr. R. Badlishah Ahmad
Dr. Zaid Ghanim Ali
Dr. Muataz Hameed Salih
Produk: A Newly Design Motorway Wireless
Ad Hoc Camera Network System to Improve
Physical Safety

Dr. Noorhafiza Muhammad

Mohd Shuhidan Saleh
Produk: Multi-Phase Smoothed Particle
Hydrodynamics (SPH) Modelling for Laser
Micromachining

Prof. Ir. Dr. Rezuwan Kamaruddin

Dr. Mohd. Fariduddin Othman
Prof. Dr. Syed Alwee Aljunid Syed Junid
Dr. Naseer Sabri Salim
Hirun Azaman Ismail
Razif Omar
Produk: Tropical Recirculating Aquaculture
System for Commercial Marine Fish
Production

PM Dr. Hazry Desa

Dr. Zuradzman Mohamad Razlan
PM Dr. Wan Khairunizam Wan Ahmad
Dr. Shahriman Abu Bakar
Khairul Azmir Azuddin
Muhammad Najib Khir Othman
Produk: Sea-Eye Unmanned Surface Vehicle

PM Dr. Yufridin Wahab

Mazlee Mazalan
Ahmad Fitri Anuar Mahayudin
Fazmir Hamzah
Muhammad Zulhili Zainol
Shazlina Johari
Produk: Wireless System Implementation for
Piezoelectric Shoe in - Sole Pressure Sensor

Dr. Muhammad Irwanto Misrun

Gomesh Nair a/l Shasidharan
Mohd. Irwan Yusoff
Produk: Photovoltaic - Uninterrupted Power
Supply System (Photovoltaic-UPS System)

Zarina Yahya

PM Dr. Mohd Mustafa Al Bakri Abdullah
Datuk Prof. Dr. Kamarudin Hussin
PM Dr. Khairul Nizar Ismail
Rafiza Abdul Razak
Alida Abdullah
Produk: From Waste to Wealth : Boiler Ash
Geopolymer Composites

PM Dr. Ir. Salmah Husseinsyah

Chan Ming Yeng
Koay Seong Chun
Produk: Green Organic Coupling Agent for
Agro-Waste Plastic Composites

Dr. Heah Cheng Yong

Dr. Liew Yun Ming
PM Dr. Mohd Mustafa Al Bakri Abdullah
Datuk Prof. Dr. Kamarudin Hussin
PM Dr. Che Mohd. Ruzaidi Ghazali
Dr. Norazian Mohamed Noor
Alida Abdullah
Produk: Fire-Shield Paint: A New Technology
Approach

Dr. Muhammad Zaini Ahmad

Produk: A Numerical Algorithm for
Computing The Solution Of Fuzzy Differential
Equations

Dr. Rangunathan A/L Santiago

Allan Melvin A/L Andrew
Datuk Prof. Dr. Kamarudin Hussin
Sumathy A/P Muniandy
Produk: ANCFreq: A Novel Active Noise
Cancellation Frequency Analyser for
Magnetic Resonance Imaging

Noor Shazliana Aizee Abidin

Produk: Novel Innovative Food Product from
Perlis Sunshine Mango Flour made from Peel,
Pulp and Kernel

Baharuddin Ismail

Prof. Dr. Syed Idris Syed Hassan
PM Dr. Rizalafande Che Ismail
Mohd. Syahril Noor Shah
Azralmukmin Azmi
Mohd. Hafiz Arshad
Mohamad Nur Khairul Hafizi Rohani
Muhammad Mokhzaini Azizan
Produk: Three Phase Multilevel Inverter with
Variable Frequency Output

Mustaqqim Abdul Rahim

Produk: Software Application to Compare
Between British Standard (BS 5950-1:2000)
and Eurocode 3 (EN 1993-1-1:2005) In
Designing The Restrained Steel Beam

SENARAI PENCAPAIAN PRODUK PENYELIDIKAN

Dr. Kahtan S. Mohammed

PM Dr. Mohd Mustafa Al Bakri Abdullah
Datuk Prof. Dr. Kamarudin Hussin
Ali Basheer Azeez

Dr. Nik Noriman Zulkepli

PM Dr. Che Mohd. Ruzaidi Ghazali

Produk: Environment Friendly Anti-Radiation Vest for Protection Against Gamma Ray Photons

Mohd. Irwan Yusoff

Dr. Muhammad Irwanto Misrun

Gomesh Nair A/L Shasidharan

Leow Wai Zhe

Produk: Automatic Cooling System Using PIC 16F877A for Solar Panel

PM Dr. Zainab Hamzah

Tengku Nur Atiqah Tengku Ab Mutalib

PM Dr Othman Hashim

Mohd. Hishamudin Che Mat

Produk: Value Added Products from Active Ingredient In Herbal Extracts

Alida Abdullah

PM Dr. Mohd Mustafa Al Bakri Abdullah

Datuk Prof. Dr. Kamarudin Hussin

Muhd Izzat Ahmad

PM Dr. Che Mohd. Ruzaidi Ghazali

Romisuhani Ahmad

Nur Ain Jaya

Produk: A Novel Geopolymer Ceramic Matrix Composite

Mohammad Nuzaihan Md. Nor

Prof. Dr. Uda Hashim

Dr. Ruslinda A. Rahim

Dr. Mohd. Khairuddin Md. Arshad

Hasrul Hisham Che Ahmad

Produk: Silicon Nanowires Array PH Sensor With Intergrated Microfluidic Channel

Dr. Rozyanty Rahman

Dr. Luqman Musa

Nur Firdaus Mohamed Yusof

Syed Zhafer Firdaus Syed Putra

Muhammad Faheem Mohd. Tahir

Produk: Heavy Duty and Eco-Friendly Hybrid Composite

Prof. Dr. Syed Alwee Aljunid Syed Junid

PM Ir . Dr. Anuar Mat Safar

Dr. Mohd Rashidi Che Beson

Dr. Abdul Rahman Kram

Dr. Junita Mohd. Nordin

Tengku Fasilidiana Tengku Putra

Produk: New Dual-Diffuser Modulation (DDM) FSO Modulation Technique for Agriculture Application

Dr. Ruslinda A. Rahim

Fatin Nabilah Mohd. Faudzi

Produk: A Biosensor Test Kit For Early Detection of IV-1 TAT Protein Using MWCNTS

Dr. Midhat Nabil Ahmad Salimi

Produk: Novel Hydroxyapatite (HAp)

Nanoparticles Production by Supercritical Carbon Dioxide for Drug Delivery Application (Potential For Various Cancer Treatments)

Dr. Mohd. Nazrin Md. Isa

Dr. Muhammad Imran Ahmad

Dr. Sohiful Anuar Zainol Murad

PM Dr. Rizalafande Che Ismail

Dr. Asral Bahari Jambek

Produk: High Performance DNA Sequencer For Early Stage HIV Detection

Dr. Shahrman Abu Bakar

Lee Hoi Leong

Dr. Zuradzman Mohamad Razlan

Prof. Dr. Sazali Yaacob

PM Dr. Mohammad Iqbal Omar

PM Dr. Wan Khairunizam Wan Ahmad

PM Dr. Hazry Desa

Dr. Cheng Ee Meng

Dr. Mohd. Afendi Rojan

Dr. Siti Khadijah Za'aba

Dr. Shafriza Nisha Basah

Nazrul H. Adnan

Produk: An Innovative Cost Effective Hemodynamic Assessment Tool with Real Time Situational Awareness and Critical Lifesaving Intelligence for Medical Specialists

PM Ir. Dr. Anuar Mat Safar

Prof. Dr. Syed Alwee Aljunid Syed Junid

Dr. Mohd Rashidi Che Beson

Dr. Junita Mohd. Nordin

Siti Fatimah Harun

Tengku Fasilidiana Tengku Putra

Produk: ZCC-OCDMA Code for Symmetric FTTH in Access Network

Dr. Asral Bahari Jambek

PM Dr. Rizalafande Che Ismail

Dr. Mohd. Nazrin Md. Isa

Produk: Low Energy Fast Motion Estimation Algorithm to Compress Video Data

Dr. Norhawati Ahmad

Dr. Muammar Mohamad Isa

Dr. Sohiful Anuar Zainol Murad

Produk: High Accuracy Linear And Nonlinear Models for HEMT Devices

PM Dr. Mohd. Fareq Abd. Malek

Dr. Muhammed Sabri Salim

Dr. Naseer Sabri Salim

Produk: Novel : Time Optimization Model For Centrifugation Process : Application In Human Blood-Plasma Segregation

Dr. Junita Mohd. Nordin

Prof. Dr. Syed Alwee Aljunid Syed Junid

PM Ir . Dr. Anuar Mat Safar

Dr. Mohd Rashidi Che Beson

Dr. Abdul Rahman Kram

Abdullah Omar Ali Al-Dhaibani

Tengku Fasilidiana Tengku Putra

Produk: Hybrid Sub Carrier Multiplexing Flexible Cross Correlation (FCC) OCDMA Fibre-Wireless Access Network

Dr. M Murugappan

PM Dr. Mohammad Iqbal Omar

Produk: Intelligent Sudden Cardiac Arrest (SCA) Prediction System Using ECG Signals

Dr. Foo Kai Loong

Prof. Dr. Uda Hashim

Produk: A Novel Method to Manufacture Nanowire: Setting A New Benchmark for Ultrasensitive, Low Volume Detection

Mukridz Md. Mohtar

PM Dr. Mohd Mustafa Al Bakri Abdullah

Mohammad Tamizi Selimin

Muhammad Faheem Mohd. Tahir

Produk: Geo-Clay Brick: Green Unfired Clay Geopolymer High Strength Brick

Prof. Dr. Uda Hashim

Produk: E-D Kit

Liyana Jamaludin

Datuk Prof. Dr. Kamarudin Hussin

Ali Basheer Azeez

Dr. Kahtan S. Mohammed

PM Dr. Mohd Mustafa Al Bakri Abdullah

PM Dr. Che Mohd. Ruzaidi Ghazali

Rafiza Abdul Razak

Produk: Anti X-Ray Geopolymer Composite Material

Dr. Mukhzeer Mohamad Shahimin

Dr. Mohamad Halim Abd. Wahid

Produk: Fibre Optic Based Structural Sensor

Dr. Sam Sung Ting

Dr. Nik Noriman Zulkepli

Dr. Mohd Firdaus Omar

Nuradibah Mohd. Amer

Ainatun Nadirah Azmi

Produk: AGRINOPRO

Muhammad Khairy Md. Naim

Dr. Muhamad Saifuldin Abdul Manan
Ahmad Nabil Mohd. Khalil
Syedi Imran Mohd. Dawi
Mohd. Nazri Abd. Hamid
Mohd. Fairuz Abd. Karim
Produk: Sri Weeder Machine

Siti Salwa Mat Isa

Muhammad Mahyiddin Ramli
Produk: Wearable Gas Sensor Utilising Dye
Functionalised Single Wall Carbon Nanotubes
(SWCNT)

Prof. Dr. Syed Alwee Aljunid Syed Junid

PM Ir. Dr. Anuar Mat Safar
Dr. Mohd Rashidi Che Beson
Dr. Abdul Rahman Kram
Abdullah Omar Ali Al-Dhaibani
Dr. Hamza Mohammed Ridha Al-Khafaji
Tengku Faslilidiana Tengku Putra
Produk: Modified Double Weight (MDW) Code
for Automotive Industry Based on FPGA
Platform

Dr. Liu Wei Wen

Prof. Dr. Uda Hashim
Haarindra Prasad
Veeradasan Perumal
Produk: Nano DNA Lab-on-Chip Medical
Diagnostic System for Multi Detection of
Leptospirosis

PM Dr. Mohd Mustafa Al Bakri Abdullah

Sharifah Zaliha Syed Zuber
Datuk Prof. Dr. Kamarudin Hussin
Muhammad Faheem Mohd. Tahir
Noor Fifinatasha Shahedan
Dr. Norazian Mohamed Noor
Prof. Dr. Fauziah Ahmad
Produk: Geopolymerization Technology for
Soil Stabilization Application

Dr. Mohd. Khairuddin Md Arshad

Produk: Asymmetrical Double Gate :
Significant Improvement In Ultra - Scaled SOI
Mosfets

Shayfull Zamree Abd. Rahim

Mohd. Nasir Mat Saad
Mohd. Fathullah Ghazli@Ghazali
Irfan Abd. Rahim
Muhamad Farizuan Rosli
Mohd. Effendi Muhammad Suandi
Produk: A Design Of Conformal Cooling
Channels (Milled Groove Square Shape) in
Injection Molding Processes

Noorina Hidayu Jamil

Wan Mohd. Arif W. Ibrahim
Faizul Che Pa
Ruhiyuddin Mohd. Zaki
Shahrizam Saad
Murizam Darus
Mohamed Faisol Mohamed Nor
Produk: CERA-COOL

PM Dr. Rizalafande Che Ismail

Dr. Sohiful Anuar Zainol Murad
Dr. Mohd. Nazrin Md. Isa
Dr. Phak Len A/L Ehkan
Fazrul Faiz Zakaria
Produk: High Performance Video Graphic
Architecture Using Hybrid Logarithmic
Number System

Dr. Voon Chun Hong

Prof. Dr. Uda Hashim
Tijjani Adam
Mohaimen Wesam
Produk: Lab-On-A-Chip Devices for Point-Of
Care In-Vitro Diagnosis: Induced Partial
Charge Calculation And Ssdna Hybridization
In Nanowire Active Domain Via MD And
Comsol Multi-Physics

Dr. Mohd Hafiz Fazalul Rahiman

Produk: Smart Column Imager

Dr. Sohiful Anuar Zainol Murad

Dr. Mohd. Nazrin Md. Isa
PM Dr. Rizalafande Che Ismail
Mohd. Fairus Ahmad
Dr. Norhawati Ahmad
Produk: High Linearity On-Chip Mixer For 4G
LTE Wireless Communication

Dr. M. Murugappan

R Yuvaraj
Produk: A Software Prototype Based
Emotional Impairments Detection In
Neurological Disorders Patients Using
Wireless EEG Signals

Aimi Noorliyana Hashim

Noor Mariamadzliza Mohd. Nan
Produk: Alkali Activated Slag Cement for
Sustainable Development

Pingat PERAK:

Dr. Nik Noriman Zulkepli

Dr. Sam Sung Ting
Dr. Mohd Firdaus Omar
Nik Zakaria Nik Yahya
Ahmad Azrem Azmi
Produk: I-ACVON

Dr. Norsuria Mahmed

Produk: Multifunctional Magnetic Core
Nanoparticles

Wan Shahrizal Wan Nadhari

Produk: Hydrogen Fuel Cell Powered Electric
Vehicle

Ahmad Nabil Mohd. Khalil

Dr. Muhamad Saifuldin Abdul Manan
Mohd. Syedi Imran Mohd. Dawi
Muhammad Khairy Md. Naim
Mohd. Nazry Mat Nayan
Mohd. Nazri Abdul Hamid
Muhamad Fairuz Abdul Karim
Produk: Portable Organic Paddy Weeder
Machine

Mohd. Hafiz Arshad

Baharuddin Ismail
Azralkummin Azmi
Dr. Muzamir Isa
Mohd. Zulhisham Mohd. Radzi
Mohd. Syahril Noor Shah
Produk: Single Phase Multilevel Cascaded
Inverter with SHEPWM Switching Technique

Assoc. Prof. Dr. Yarub Al-Douri

Authman Salim Ibraheam
Produk: Cu₂Zn_{1-x}Cd_xSnS₄ Nanostructures
to Ameliorate Solar Cell Efficiency

Shaiful Rizam Shamsudin

Rohaya Abdul Malek
Prof. Dr. Azmi Rahmat
Dr. Nazree Derman
Farah Farhana Zainal
Produk: External Galvanic Powering System
for Corrosion Protection

Dr. Mohd. Shukry Abdul Majid

Dr. Mohd. Afendi Rojan
Dr. Ruslizam Daud
Pranesh Krishnan Ragunathan
Haslan Fadli Marzuki
Wan Shahrizal Wan Nadhari
Siti Nazirah Zamri
Produk: An Automatic Portable Pressure
Testing Rig to Determine The Performance
of Gre Composite Pipes Under Various Stress
Ratios

Ahmad Nabil Mohd. Khalil

Dr. Muhamad Saifuldin Abdul Manan
Leong Kean Wei
Mohd. Nazry Mat Nayan
Produk: My Batik Arts Machine

SENARAI PENCAPAIAN PRODUK PENYELIDIKAN

Dr. Umi Fazara Md. Ali
Tan Tiek Aun
Produk: PEC-HEMATITE

Dr. Hanum Hassan
PM Razli Ahmad
Helmi Halim
Produk: Modul Menjana Pemimpin Global

Dr. Teh Pei Leng
Dr. Yeoh Cheow Keat
PM Dr. Supri A. Ghani
PM Ir. Dr. Salmah Husseinsyah
Dr. Du Ngoc Vu Lan
Mohamad Nur Fuadi Pargi
Produk: EPOXY - Recycled Copper (E-Recop)
As Thermoforming Mold Material

Mohd. Fidzwan Md Amin Hamzas
Azmi Harun
Asmawi Sanuddin
Prof. Dr. Ryspek Usubamatov
Mohd. Nazry Mat Nayan
Produk: New Design of Washing Machine: A
New Washing Process Which Combines
Deflection and Abrasion Action Due to The
Hydrodynamic and Impact Water Jet

Dr. Mohd. Afendi Rojan
Muhammad Azrie Husainy Mohd. Jasri
Erdy Sulino Mohd. Muslim Tan
Dr. Haftirman
Dr. Mohd. Shukry Abdul Majid
Dr. Ruslizam Daud
Dr. Shahrman Abu Bakar
Produk: Compact Micro-Flexural Fatigue
Testing Machine

Pingat GANGSA:

Mohd Khairul Fadzly Abu Bakar
Amarul Talip
Shayfull Zamree Abd. Rahim
Mohd. Nasir Mat Saad
Mohd. Fidzwan Md. Amin Hamzas
Norshah Afizi Shuaib
Badrul Azmi Abdul Holed
Irfan Abd. Rahim
Produk: GSM X1 Smart Home Automation
System

**MALAYSIAN ROAD CONFERENCE -
INVENTION AND INNOVATION
EXHIBITION (MRC-IIE) 2014**

Pingat EMAS:

Sharifah Zaliha Syed Zuber
PM Dr. Mohd Mustafa Al Bakri Abdullah
Datuk Prof. Dr. Kamarudin Hussin
PM Dr. Che Mohd. Ruzaidi Ghazali
Prof. Dr. Fauziah Ahmad
Muhammad Faheem Mohd. Tahir
Dr. Norazian Mohamed Noor
Produk: Gold - Soil Treatment and
Stabilization for Soil Foundation Road

Pingat GANGSA:

Rafiza Abdul Razak
PM Dr. Mohd Mustafa Al Bakri Abdullah
Datuk Prof. Dr. Kamarudin Hussin
PM Dr. Che Mohd Ruzaidi Ghazali
PM Dr. Khairul Nizar Ismail
Zarina Yahya
Produk: Geopolymer Artificial Aggregate As
Road Based Application

Muhammad Faheem Mohd. Tahir
PM Dr. Mohd Mustafa Al Bakri Abdullah
Datuk Prof. Dr. Kamarudin Hussin
PM Dr. Che Mohd Ruzaidi Ghazali
Wan Mastura Wan Ibrahim
Produk: Geopolymer Concrete for Sidewalk :
Towards Green Construction Materials

INNOVATION FESTIVAL 2014

Pingat EMAS:

Dr. Mohd. Afendi Rojan
Muhammad Azrie Husainy Mohd. Jasri
Produk: New Adhesive From Recycle
Polystyrene

Dr. Mohd. Afendi Rojan
Muhammad Azrie Husainy Mohd. Jasri
Produk: Portable Friction Stir Welding
Machine

PAMERAN BIOMALAYSIA 2014

Pingat EMAS:

Prof. Dr. Uda Hashim
Nor Azidah Parmin
Sharipah Nadzirah Syed Ahmad Ayob
Tijjani Adam
Produk: Nano DNA Chips for Early Detection
of Cervical Cancer

Prof. Ir. Dr. Rezuwan Kamaruddin
Datuk Prof. Dr. Kamarudin Hussin
PM Dr. Mahmad Nor Jaafar
Mohd. Hishamuddin Che Mat
Ahmad Azudin Nordin
Produk: Large-Scale Naturally Ventilated
Tropical Greenhouse Structure for
Commercial Harumanis Production In Perlis

Pingat PERAK:

Dr. Ragnathan A/L Santiago
Mustaffa Zainal
Allan Melvin A/L Andrew
Sumathy A/P Muniandy
Produk: Super-UHLM: Ultimate-Herbal
Larvacide Membrane for Denggi Fever Preve

Dr. Lim Bee Ying
PM Dr. Ir. Salmah Husseinsyah
Dr. Teh Pei Leng
Marliza Mostapha @ Zakaria
Mohd. Syahmie Rasidi
Produk: Ecoplast Palm Kernel Shell

Dr. Midhat Nabil Ahmad Salimi
Produk: ENVIRO-FUEL™: An Alternative Fuel
For The Future (Waste To Wealth)

PM Dr. Wan Khairunizam Wan Ahmad
PM Dr. Hazry Desa
Dr. Shahrman Abu Bakar
Dr. Zuradzman Mohamad Razlan
Produk: GLOVEMAP-VR Stroke Therapy
Based on The Motion Sequence of Arm
Movements

Pingat GANGSA:

PM Dr. Che Mohd. Ruzaidi Ghazali
Siti Nor Jamaliah Md. Radzi
Produk: The Novel Usage Of Phoenix
Dactylifera (Palm Date) Seeds

PM Dr. Supri A. Ghani
Mohd. Hanif Mohd. Pisal
Ho Shuh Huey
Tan Soo Jin
Produk: 2 IN 1 Adhesives Based On Chicken
Feather

Dr. Mohd Firdaus Omar
Prof. Hazizan Md Akil
Dr. Nik Noriman Zulkepli
Muhammad Salihin Zakaria
Dr. Sam Sung Ting
Produk: Eco-Drain: Eco-Friendly Lightweight
Honeycomb Drainage Structures

Wan Mohd. Arif W. Ibrahim

Noorina Hidayu Jamil
Faizul Che Pa
Ruhuyuddin Mohd. Zaki
Shahrizam Saad
Murizam Darus
Mohamed Faisol Mohamed Nor
Produk: Ceraden-Agriglass: A Ceramic Block Material For Solid Crown/Bridge Dental Restoration Application

PM Dr. Zainab Hamzah

Ainatul Alia Alias
PM Dr. Othman Hashim
Produk: Paddy Waste Biochar Enhances Paddy Growth

Azmi Harun

Asmawi Sanuddin
Mohd. Fidzwan Md. Amin Hamzas
Suhelmi Wi @ Senawi
Rashid Ramli
Mohd. Nazmi Mohammad Radzi
Produk: Coconut De-Husking & De-Shelling Machine

Zarina Zakaria

Noorulnajwa Diyana Yaacob
Sharul Aida Mohd. Shayuti
Shi Fern Chong
Produk: HR-OYSEED™ SPAWN : High Recovery Of Preserved Oyster Mushroom Spawn

Dr. Sam Sung Ting

Dr. Nik Noriman Zulkepli
Mohd. Firdaus Omar
Ainatun Nadirah Azmi
Nuradibah Mohd. Amer
Produk: OXOGREEN

ASIA PACIFIC ICT AWARDS (APICTA) 2014

Pingat EMAS:

Prof. Dr. Syed Alwee Aljunid Syed Junid

PM Ir. Dr. Anuar Mat Safar
Dr. Mohd Rashidi Che Beson
Mr. Abdullah Omar Ali Al-Dhaibani
Ir. Rosdisham Endut
Tengku Fasilidiana Tengku Putra
Produk: ZCC-OCDMA Code for Symmetric FTTH in Access Network

MALAYSIAN AGRICULTURAL INNOVATION CHALLENGE MAGIC 2014

Pingat EMAS:

PM Dr. Mohd Fareq Abd. Malek

Lee Yeng Seng
Muhammad Shafiq Mezan
Produk: Rice Husks Microwave Absorbers

Pingat PERAK:

Dr. Nik Noriman Zulkepli

PM Dr. Mohd Mustafa Al Bakri Abdullah
Mohamad Hazwan Subli
Datuk Prof. Dr. Kamarudin Hussin
Produk: AGRINOPRO - Agricultural Film Using Natural Resources As Green Pro-Oxidant



PENYELIDIKAN DAN PEMBANGUNAN

GERAN PENYELIDIKAN

Pada tahun 2014, UniMAP telah mencatatkan nilai geran penyelidikan sebanyak RM14,831,160 yang melibatkan 220 projek penyelidikan berbanding pada tahun lepas iaitu sebanyak 197 projek sahaja. Peningkatan ini menunjukkan usaha positif para penyelidik UniMAP dalam mendapatkan geran bagi menjayakan projek yang dilaksanakan. Geran – geran tersebut adalah terdiri daripada:-

- i. Kementerian Pendidikan Malaysia (Jabatan Pengajian Tinggi) dan Kementerian Sains, Teknologi dan Inovasi Malaysia.
- ii. Industri; Yayasan Felda, Astronautic, PNB, Bio-nexus, L'Oreal dan lain-lain lagi.

- iii. Antarabangsa; UNESCO, KACST, Nihon Superior Japan, Kobe Precision, Aneka Teknik Indonesia dan Victoria University.

Nilai terkumpul geran penyelidikan UniMAP semenjak tahun 2003 hingga 2014 adalah sebanyak RM91.9 juta. Geran yang dibiayai oleh pihak kerajaan adalah penyumbang terbesar iaitu sebanyak RM73.6 juta. Manakala selebihnya disumbangkan oleh pelbagai industri dan antarabangsa iaitu berjumlah RM6.4 juta dan RM3.7 juta. Selain itu, pihak UniMAP juga telah memperuntukkan sebanyak RM8.3 juta sebagai geran dalaman sehingga tahun 2014.

Statistik Geran Penyelidikan 2003-2014 : Mengikut Pusat Tanggungjawab (PTj)

TAHUN	2003		2004		2005		2006		2007		2008		2009		2010		2011		2012		2013		2014		Nilai Keseluruhan	
	Bil	(RM)	Bil	(RM)	Bil	(RM)	Bil	(RM)	Bil	(RM)	Bil	(RM)	Bil	(RM)	Bil	(RM)	Bil	(RM)	Bil	(RM)	Bil	(RM)	Bil	(RM)	Bil	Amaun (RM)
Mikroelektronik	2	42,530	2	2,788,336	6	126,000	9	121,672	11	1,666,417	8	398,000	10	174,000	14	475,520	16	2,907,400	14	602,723	15	1,099,000	15	1,019,980	122	11,421,578
Sistem Elektrik					1	20,000	9	144,500	11	574,500	9	140,000	2	17,000	19	509,900	37	2,454,022	27	1,400,212	12	932,435	9	513,775	136	6,706,344
Komputer	1	20,000	5	97,250	5	95,800	16	421,000	10	950,262	17	958,700	9	282,200	24	1,170,430	18	541,550	19	904,349	18	1,677,457	26	1,892,660	168	9,011,658
Mekatronik	1	20,000	2	60,000	5	100,000	36	1,330,000	26	2,612,970	17	1,126,690	9	347,800	42	1,146,000	28	1,212,373	22	978,721	33	1,838,380	36	2,333,184	257	13,106,117
Bahan	3	54,000	2	50,000	10	205,500	21	712,611	10	1,045,505	8	555,662	14	567,000	29	2,230,520	23	394,000	41	2,102,295	31	1,934,280	39	2,261,500	231	12,112,872
Pembuatan			2	38,000	3	27,100	6	78,300	7	675,700	10	91,000	7	89,000	21	706,050	16	170,400	21	758,222	7	266,450	14	778,200	114	3,678,422
Bioproses			1	6,038	3	289,000	12	744,945	7	1,108,500	9	238,850	10	896,840	16	249,720	15	745,500	25	1,774,236	19	1,607,955	22	1,470,180	139	9,131,765
Alam Sekitar	1	10,000			1	16,000	11	390,950	11	648,600	6	58,462	6	105,000	14	412,700	12	259,368	16	545,593	13	781,760	14	986,975	105	4,215,408
iKOM	1	15,000	5	67,254	1	8,740	2	50,042	4	132,842	5	399,608	6	289,146	32	319,500	15	218,000	4	150,585	8	819,405	3	99,000	86	2,569,122
IMK									1	12,842	4	42,980	1	10,000	7	48,000	20	480,000	7	312,909	6	246,200	6	265,200	52	1,418,131
INEE											1	5,000	8	1,128,586	5	309,260	6	1,258,460	3	274,400	10	531,500	10	1,058,300	43	4,565,506
P. Kejuruteraan													1	11,000											1	11,000
IKSK																	1	30,800	1	500,000	1	15,000			3	545,800
AGROTECH													1	94,900	1	40,000	1	319,000	1	100,700	1	40,000			5	594,600
PPIPT														2	12,000	15	1,485,149	4	107,103	6	1,619,872	1	90,000	28	3,314,124	
CEASTech																		18	1,644,730	9	818,700	9	873,847	36	3,337,277	
CeGeoGTech																				7	2,169,420	3	352,000	10	2,521,420	
AMBIENCE COE																				1	2,900,000			1	2,900,000	
FTK																							12	751,700	12	751,700
RPPIT																							1	84,660	1	84,660
Jumlah	9	161,530	19	3,106,878	35	888,140	122	3,994,020	98	9,428,138	94	4,014,952	85	4,043,272	226	7,629,600	222	12,445,222	223	12,156,777	197	19,297,814	220	14,831,160	1,550	91,997,503

PENYELIDIKAN DAN PEMBANGUNAN

GERAN PENYELIDIKAN TERKUMPUL UniMAP (2003-2014)

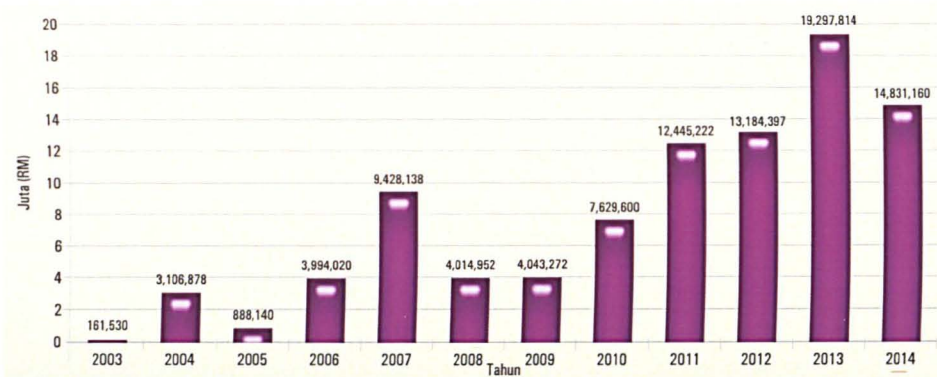
JENIS GERAN	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Nilai Keseluruhan
	Amaun (RM)	Amaun (RM)	Amaun (RM)	Amaun (RM)	Amaun (RM)	Amaun (RM)	Amaun (RM)	Amaun (RM)	Amaun (RM)	Amaun (RM)	Amaun (RM)	Amaun (RM)	Amaun (RM)
FRGS	121,530	92,038	392,140	1,712,000	4,148,226	1,170,100	722,546	3,861,930	1,903,213	2,975,000	4,943,505	79,922	22,122,150
ERGS									925,200	1,158,635	992,800	150,000	3,226,635
PRGS									822,700	696,000	912,000	191,834	2,622,534
LRGS									450,000			528,000	978,000
RACE										271,350		681,317	952,667
RAGS										1,800,000	1,799,972		3,599,972
KTP									418,160	1,235,782	939,000	84,660	2,677,602
MOA							1,254,820	202,000				926,280	2,383,100
MTUN COE										1,184,600		933,000	2,117,600
Swiftlet COE										100,700		9,289,806	9,390,506
Geran Khas KPT						350,000	170,000	27,300	160,000		1,900,000		2,607,300
IRPA		2,805,890	253,000										3,058,890
Sciencefund				1,405,500	5,249,912	1,655,390	640,106	170,510	610,000	997,910	1,020,917	741,400	12,491,645
Nanofund									921,000				921,000
Unisel (MOSTI)						90,000							90,000
USM-UniMAP (MOSTI)						150,000							150,000
MOA Technofund								432,500	823,362				1,255,862
Cradle Fund									150,000				150,000
Suruhanjaya Komunikasi & Multimedia									421,500				421,500
Jabatan Ketua Menteri Sarawak									951,799				951,799
Geran Sukan KPT											295,000		295,000
Fundamental (Top Down)											597,000		597,000
Jabatan Latihan Khidmat Negara										44,600			44,600
Kerajaan Negeri Perlis										500,000			500,000
MTUN Showcase											20,000		20,000
Short Term Grant	40,000	208,950	243,000	606,020	30,000	514,482	736,800	1,086,000	1,138,050	32,200			4,635,502
Kumpulan Wang Penyelidikan Khas							120,000	189,360	255,238		215,700	30,000	810,298
Tabung Insentif Jurnal Penyelidikan								135,000	165,000	180,000	445,000	825,000	1,750,000
Insentif SLAB/ SLAI									20,000		40,000	120,000	180,000
SEED Money										885,000			885,000

PENYELIDIKAN DAN PEMBANGUNAN

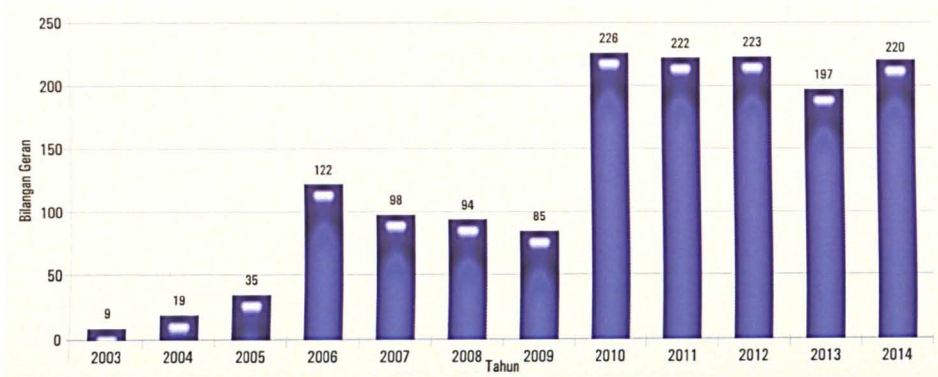
GERAN PENYELIDIKAN TERKUMPUL UniMAP (2003-2014)

JENIS GERAN	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Nilai Keseluruhan	
	Amaun (RM)	Amaun (RM)	Amaun (RM)	Amaun (RM)	Amaun (RM)	Amaun (RM)	Amaun (RM)	Amaun (RM)	Amaun (RM)	Amaun (RM)	Amaun (RM)	Amaun (RM)	Amaun (RM)	
Industri & Agensi	Yayasan FELDA			209,000									209,000	
	Astronautic			61,500									61,500	
	PNB					59,980							59,980	
	Pusat Zakat Pulau Pinang					25,000							25,000	
	Bio Nexus						399,000						399,000	
	L'Oreal								20,000	20,000	20,000	30,000	90,000	
	Siltera / NCIA								2,270,000			2,900,000	5,170,000	
	National Instrument									50,000				50,000
	CIMB Foundation											47,500		47,500
	Funfiek Sdn Bhd											30,000		30,000
	I-Zest Sdn Bhd											35,000		35,000
	SME Bank											40,000		40,000
	Toray (MTSF)									20,000	15,000		18,000	53,000
	B. Brown												121,941	121,941
Antarabangsa	UNESCO							25,000					25,000	
	KACST							1,500,000				1,784,420	3,284,420	
	Victoria University									10,000			10,000	
	Nihon Superior Japan										120,000		120,000	
	KOBE Precision										200,000		200,000	
	Aneka Teknik, Indonesia												80,000	80,000
Jumlah	161,530	3,106,878	888,140	3,994,020	9,428,138	4,014,952	4,043,272	7,629,600	12,445,222	12,156,777	19,297,814	14,831,160	91,997,503	

Jumlah Nilai Geran Penyelidikan Tahunan 2003-2014



Bilangan Geran Penyelidikan Universiti Malaysia Perlis 2003-2014



HARTA INTELEK

A) STATISTIK HARTA INTELEK UNIVERSITI MALAYSIA PERLIS (UniMAP) 2009-2014

Statistik Harta Intelekt Universiti Malaysia Perlis (UniMAP) dari tahun 2009 hingga Disember 2014:

Jenis Harta Intelekt	Negara	2009	2010	2011	2012	2013	2014	Jumlah
Geran Paten (Patent Granted)	Malaysia	0	0	0	0	1	0	1
	Antarabangsa	0	0	0	1	1	0	2
Paten Difailkan (Patent Pending)	Malaysia	7	3	12	23	18	37	100
	Antarabangsa	0	0	1	1	0	0	2
Hak Cipta (Copy Right)	Malaysia	0	0	4	5	0	0	9
	Antarabangsa	0	0	1	2	1	1	5
Jumlah Keseluruhan		7	3	18	32	21	38	119

B) PRODUK YANG TELAH MENJALANI CARIAN NOVELTI (NOVELTY SEARCH) 2014

Statistik Bilangan Produk Yang Telah Menjalani Carian Novelty (Novelty Search) 2009-2014

Perkara	Pencapaian 2009	Pencapaian 2010	Pencapaian 2011	Pencapaian 2012	Pencapaian 2013	Pencapaian 2014
Bilangan Produk Yang Telah Menjalani Carian Novelty	68	22	94	92	90	84

Senarai Produk Yang Telah Menjalani Carian Novelty (Novelty Search) 2014

Nama Penyelidik: Dr. Latifah Munirah Kamarudin
Nama Produk: Automated Channel Selection (ACS) In IEEE 802.15.4 Wsn 2.4ghz ISM Spectrum For Coexistence Mitigation

Nama Penyelidik: Dr. Mohd Firdaus Omar
Nama Produk: Pulfmap

Nama Penyelidik: Aimi Noorliyana Hashim
Nama Produk: Eco Activated Charcoal Fiber Sheet

Nama Penyelidik: Gomesh Nair a/l Shasidharan
Nama Produk: Fabrication Of DSSC With A Novel Organic Dye From 'Keriang Dot' Fruit

Nama Penyelidik: Prof. Dr. Uda Hashim
Nama Produk: Fabrication Of Silicon Nanogap For E.Coli (O517:H7)

Nama Penyelidik: Dr. Hakimah Osman
Nama Produk: Maturation Free Process In Natural Rubber Latex Operations

Nama Penyelidik: Noor Shazliana Aizee Abidin
Nama Produk: Comparing Physicochemical Properties Of Mango Peel, Pulp And Seed Kernel Flour Prepared From Ripe And Unripe Fruits

Nama Penyelidik: Prof. Madya Dr. Zainab Hamzah
Nama Produk: Bird Nest

Nama Penyelidik: Wee Fwen Hoon
Nama Produk: Bit Antenna

Nama Penyelidik: Prof. Ir. Dr. Rezuwan Kamaruddin
Nama Produk: Fertigation System For High Value Crop Production Under Greenhouse In Tropics

Nama Penyelidik: Dr. Amir Razif Arief Jamil Abdullah
Nama Produk: Novel FIWI Utilizing Modified Double Weight OCDMA Code For Future Broadband Access Network

Nama Penyelidik: Prof. Dr. Syed Alwee Aljunid Syed Junid
Nama Produk: FCC-OCDMA Code For FTTH Access Network Utilizing FPGA Based

Nama Penyelidik: Dr. M Murugappan
Nama Produk: Intelligent System For Home Appliances Control Through Facial Expressions Using Optical Flow Algorithm

Nama Penyelidik: Dr. Mohd Afendi Rojan
Nama Produk: New Adhesive From Recycle Polystyrene

Nama Penyelidik: Prof. Madya. Dr. Abu Hassan Abdullah
Nama Produk: Aromatic Rice Classification System (ARCSYS)

Nama Penyelidik: Roshazita Che Amat
Nama Produk: Bottom Ash Binder

Nama Penyelidik: Ir. Dr. Anuar Mat Safar
Nama Produk: Train Passenger Estimation Using Fiber Bragg Grating Sensor

Nama Penyelidik: Prof. Madya Dr. Supri A. Ghani
Nama Produk: Cellulose-Glycosilic From Collocasia Esculenta As Reinforced In Light Weight Plate

Nama Penyelidik: Dr. Muammar Mohamad Isa
Nama Produk: Novel High Breakdown Ingaas/ Inalas pHEMT Device For High Power - Low Noise Applications

Nama Penyelidik: Dr. Muzammil Jusoh
Nama Produk: WETEX – Wearable Textile Antenna

HARTA INTELEK

Nama Penyelidik: Norlia Mohamad Ibrahim

Nama Produk: Innovative IBS Block

Nama Penyelidik: Dr. Mohd Shukry Abdul Majid

Nama Produk: Mechanical Properties Characterization Of Novel Napier Grass Fiber Reinforced Epoxy Composites Laminates

Nama Penyelidik: Ahmad Nabil Mohd Khalil

Nama Produk: My Batik Arts Machine

Nama Penyelidik: Baharuddin Ismail

Nama Produk: Three Phase Multilevel Inverter With Variable Frequency Output

Nama Penyelidik: Dr. Amir Razif Arief Jamil

Abdullah

Nama Produk: New Dual-Diffuser Modulation Technique Utilizing Free Space Optic (DDM-FSO) For Agriculture Application

Nama Penyelidik: Ir. Dr. Anuar Mat Safar

Nama Produk: ZCC-OCDMA Code For Symmetric FTTH In Access Network

Nama Penyelidik: Prof. Madya Ir. Dr. Salmah Husseinsyah

Nama Produk: Green Organic Coupling Agent for Agro-Waste Plastic Composites

Nama Penyelidik: Dr. Junita Mohd Nordin

Nama Produk: Hybrid Subcarrier Multiplexing Flexible Cross Correlation (FCC) OCDMA Fiber-Wireless Access Network

Nama Penyelidik: Dr. Liu Wei Wen

Nama Produk: Nano DNA Lab On Chip Medical Diagnostics Systems For Multi Detection Of Leptospirosis

Nama Penyelidik: Dr. M. Murugappan

Nama Produk: Intelligent Sudden Cardiac Arrest (SCA) Prediction System Based On Heart Rate Variability (HRV) Signals

Nama Penyelidik: Dr. M. Murugappan

Nama Produk: A Software Prototype Based Emotional Impairments Detection In Neurological Disorders Patients Using Wireless EEG Signals

Nama Penyelidik: Dr. Mohd Khairuddin Md Arshad

Nama Produk: Asymmetrical Double Gate: Significant Improvement In Ultra – Scaled SOI MOSFETS

Nama Penyelidik: Dr. Mohd Shukry Abdul Majid

Nama Produk: An Automatic Portable Pressure Testing Rig To Determine The Performance Of The Composite Pipes Under Various Stress Ratios

Nama Penyelidik: Dr. Muhammad Zaini Ahmad

Nama Produk: A Numerical Algorithm For Computing The Solution Of Fuzzy Differential Equations

Nama Penyelidik: Dr. Norsuria Mahmed

Nama Produk: Multifunctional Magnetite/Silica/Silver/Silver Chloride Core Shell Structure And Methods Of Preparation.

Nama Penyelidik: Dr. Ragunathan a/l Santiago

Nama Produk: ANCFreq: A Novel Active Noise Cancellation Frequency Analyzer For Magnetic Resonance Imaging.

Nama Penyelidik: Dr. Sohiful Anuar Zainol Murad

Nama Produk: High Linearity On-Chip Mixer For 4G LTE Wireless Communication

Nama Penyelidik: Prof. Madya Dr. Supri A.Ghani

Nama Produk: UniMAP Biofiber Fertilizer

Nama Penyelidik: Dr. Teh Pei Leng

Nama Produk: Epoxy- Recycled Copper (E-RECO) as Thermoforming Mold Material

Nama Penyelidik: Mohd Hafiz Arshad

Nama Produk: Single Phase Multilevel Cascaded Inverter with SHEPWM Switching Technique

Nama Penyelidik: Mohd Khairul Fadzly Abu Bakar

Nama Produk: GSM X1 Smart Home Automation System

Nama Penyelidik: Prof. Ir. Dr. Rezuwan Bin

Kamaruddin

Nama Produk: Tropical Recirculating Aquaculture System For Commercial Marine Fish Production

Nama Penyelidik: Prof. Dr. Syed Alwee Aljunid

Syed Junid

Nama Produk: Modified Double Weight (MDW) Code For Automotive Industry Based On FPGA Platform

Nama Penyelidik: Prof. Dr. Uda Hashim

Nama Produk: E.D Kit

Nama Penyelidik: Dr. Voon Chun Hong

Nama Produk: Lab-On-A-Chip Devices For Point-Of-Care In-Vitro Diagnosis: Induced Partial Charge Calculation And SSDNA Hybridization In Nanowire Active Domain Via MD and COMSOL Multi-Physics

Nama Penyelidik: Shayfull Zamree Abd Rahim

Nama Produk: A New Design Of Conformal Cooling Channels (Milled Groove Square Shape) In Injection Molding Processes

Nama Penyelidik: Dr. Noorhafiza Muhammad

Nama Produk: Multi-Phase Smooth Particle Hydrodynamics (SPH) Modeling For Laser Micromachining

Nama Penyelidik: Mustaqim Abdul Rahim

Nama Produk: The Application For Design The Restrained Structural Steel Beam By Using British Standard (BS 5950) And Euro code 3 (Ec3)

Nama Penyelidik: Dr. Mohd Afendi Rojan

Nama Produk: Compact Flexural Fatigue Testing Machine

Nama Penyelidik: Dr. Nik Noriman Zulkepli

Nama Produk: I-ACVON

Nama Penyelidik: Prof. Madya Dr. Zainab Hamzah

Nama Produk: Antifungal And Antibacterial Skin Patch From Selected Herbal Extract

Nama Penyelidik: Mohd Fidzwan Md Amin

Hamzas

Nama Produk: New Design Of Washing Machine : A New Washing Process Which Combines Deflection And Abrasion Action Due To The Hydrodynamic And Impact Water Jet

Nama Penyelidik: Prof. Madya Dr. Fareq Abdul

Malek

Nama Produk: Time Optimization Model for Centrifugation Process: Application In Human Blood-Plasma Segregation

Nama Penyelidik: Khairy Md Naim

Nama Produk: SRI-Triple Row Weeder Machine

Nama Penyelidik: Dr. Shahriman Abu Bakar

Nama Produk: i-PHAD: An Innovative Cost-Effective Hemodynamic Assessment Tool with Real-Time Situational

Nama Penyelidik: Prof. Madya Dr. Yufridin Wahab
Nama Produk: Wireless System Implementation For Piezoelectric Shoe In-Sole Pressure Sensor

Nama Penyelidik: Dr. Mohd Firdaus Omar
Nama Produk: Eco-Drain: Eco-Friendly Lightweight Honeycomb Drainage Structures

Nama Penyelidik: Prof. Uda Hashim
Nama Produk: DNA Chips for Early Detection of Cervical Cancer

Nama Penyelidik: Dr. Ragunathan a/l Santiagoo
Nama Produk: Super-UHLM: Ultimate-Herbal Larvicide Membrane For Dengue Fever Prevention

Nama Penyelidik: Dr. Mohamad Kahar Ab Wahab
Nama Produk: Eco-Pack: Biodegradable Film For Dry Food Packaging

Nama Penyelidik: Prof. Madya Dr. Supri A. Ghani
Nama Produk: 2 In 1 Adhesives Based On Chicken Feather

Nama Penyelidik: Dr. Zol Bahri Razali
Nama Produk: Automatic Efficient Ablution and Hygienic Hand Wash System

Nama Penyelidik: Muhammad Mahyiddin Ramli
Nama Produk: Graphene Based Sensor

Nama Penyelidik: Mohamad Hatta Musa
Nama Produk: Agro Chili Harvester (ACHa)

Nama Penyelidik: Azmi Harun
Nama Produk: Coconut De-Husking And De-Shelling Machine

Nama Penyelidik: Dr. Lim Bee Ying
Nama Produk: Ecoplast Palm Kernel Shell

Nama Penyelidik: Dr. Afizah Ayob
Nama Produk: Polymer For Fly Ash Mix

Nama Penyelidik: Prof. Madya Dr. Zainab Hamzah
Nama Produk: Rice Waste Biochar As Rice Growth Enhancer

Nama Penyelidik: Dr. Zarina Zakaria
Nama Produk: High Growth Recovery Freeze-Dried Oyster Mushroom (Pleurotus Sajor - Caju) Spawn

Nama Penyelidik: Dr. Midhat Nabil Ahmad Salimi
Nama Produk: Enviro-Fuel : An Alternative Fuel For The Future (Waste To Wealth)

Nama Penyelidik: Prof. Che Mohd Ruzaidi Ghazali
Nama Produk: The Novel Usage Of Phoenix Dactylifera (Palm Date) Seeds

Nama Penyelidik: Prof. Dr. Ryspek Usubamatov
Nama Produk: Dynamically Active Washing Process And A Washing Machine

Nama Penyelidik: Prof. Dr. Ryspek Usubamatov
Nama Produk: Vane Type Wind Turbine Of High Drug Factor

Nama Penyelidik: Dr. Muzammil Jusoh
Nama Produk: RF-Pin Embedded Parasitic Arrays (RF-PEPA)

Nama Penyelidik: Dr. Muzammil Jusoh
Nama Produk: Reconfigurable Multi Directional Beam On Microstrip Patch Antenna Using PIN Diode Switch For WiMAX Application

Nama Penyelidik: Prof. Dr. Uda Hashim
Nama Produk: Design And Specifications Of Single Array And Multiple Array Gap Electrode Lab-On-Chip Sensor

Nama Penyelidik: Abu Hassan Abdullah
Nama Produk: Instrument And Method Of Maladour Monitoring For Chicken Disease Detection

Nama Penyelidik: Dr. Mohd Nazrin Md Isa
Nama Produk: High Performance DNA Sequencer For Early Stage HIV Detection

Nama Penyelidik: Aimi Noorliyana Hashim
Nama Produk: Silica Powder

Nama Penyelidik: Lee Boon Beng
Nama Produk: Formation of Latex Film Embedded with Capsules Containing Bio-Active Compounds

Nama Penyelidik: Nor Azura Malini Ahmad Hambali
Nama Produk: Dye-Sensitized Solar Cells Using Natural Dyes as Sensitizers from Malaysia Local Fruit 'Buah Mertajam'

Nama Penyelidik: Dr. Noorhafiza Muhammad
Nama Produk: Underwater Femtosecond Laser Micromachining For Medical Stent Manufacture

Nama Penyelidik: Nor Hanisah Baharudin
Nama Produk: Wind Turbine Generator Test Bench

Nama Penyelidik: Nor Hanisah Baharudin
Nama Produk: Magnetic Levitated Vertical Axis Wind Turbine



C) PRODUK YANG TELAH DIFAILKAN PATEN 2014

Statistik Pencapaian Produk Yang Telah Difaikan Paten (Nasional) 2009-2014

Perkara	Pencapaian 2009	Pencapaian 2010	Pencapaian 2011	Pencapaian 2012	Pencapaian 2013	Pencapaian 2014
Bilangan Produk Yang Telah Difaikan Paten (Nasional)	7	4	12	23	16	37

Senarai Produk Yang Telah Difaikan Paten (Nasional) 2014

No. Pemfailan: PI 201470013

Tarikh Difaikan: 3 Januari 2014

Nama Produk: Improvement In LTE-A-Cellular Network

Nama Penyelidik: Prof. Dr. R. Badlishah

No. Pemfailan: PI 2014700220

Tarikh Difaikan: 30 Januari 2014

Nama Produk: An Intelligent Natural Indoor Air Purifier And A Monitoring System Thereof

Nama Penyelidik: Prof. Madya Dr. Abu Hassan Abdullah

No. Pemfailan: PI 2014700124

Tarikh Difaikan: 20 Januari 2014

Nama Produk: A Reinforced Sandwich Panel Made From Waste Palm Shells And Empty Fruits Brunches

Nama Penyelidik: Dr. Du Ngoc Uy Lan

No. Pemfailan: PI 2014700178

Tarikh Difaikan: 24 Januari 2014

Nama Produk: Electrochemical Fabrication Of Nanoporous Alumina

Nama Penyelidik: Dr. Nazree Deraman

No. Pemfailan: PI 2014700315

Tarikh Difaikan: 12 Februari 2014

Nama Produk: A Photoelectrochemical Cell

Nama Penyelidik: Dr. Dewi Suryani Che Halin

No. Pemfailan: PI 2014700486

Tarikh Difaikan: 28 Februari 2014

Nama Produk: A System And Method For Fabricating Nano Channel Solution Gate Field Effect Transistor (SGFET) Type Biosensor That Operates In Electrolyte Solution

Nama Penyelidik: Dr. Ruslinda A. Rahim

No. Pemfailan: PI 201400312

Tarikh Difaikan: 14 Februari 2014

Nama Produk: Bioplastic Fil From Chitosan And Corn Cobs

Nama Penyelidik: Prof. Madya Ir Dr. Salmah Husseinsyah

No. Pemfailan: PI 2014700946

Tarikh Difaikan: 17 April 2014

Nama Produk: Watercraft

Nama Penyelidik: Prof. Madya Dr. Hazry Desa

No. Pemfailan: PI 201401034

Tarikh Difaikan: 25 April 2014

Nama Produk: A Glass Fiber Reinforced Composite Pipe

Nama Penyelidik: Prof. Madya Dr. Mohd Mustafa Al Bakri Abdullah

No. Pemfailan: PI 2014702500

Tarikh Difaikan: 5 September 2014

Nama Produk: An Automatic Visual Printed Circuit Board (PCB) System

Nama Penyelidik: Dr. Wan Khairunizam Wan Ahmad

No. Pemfailan: PI 2014702505

Tarikh Difaikan: 5 September 2014

Nama Produk: Edible Bird Nest Shape Quality Assessment Using Machine Vision System

Nama Penyelidik: Fathinul Syahir Ahmad Saad

No. Pemfailan: PI 2014702512

Tarikh Difaikan: 5 September 2014

Nama Produk: Design And Fabrication Of Nanogap Electrodes Using Size Reduction Technique For DNA Detection

Nama Penyelidik: Prof. Dr. Uda Hashim

No. Pemfailan: PI 2014702579

Tarikh Difaikan: 11 September 2014

Nama Produk: A Method For Producing Hydroxyapatite Nanoparticles

Nama Penyelidik: Dr. Midhat Nabil Ahmad Salimi

No. Pemfailan: PI 2014702678

Tarikh Difaikan: 19 September 2014

Nama Produk: An Aerated Up-Flow Constructed Wetland

Nama Penyelidik: Dr. Ong Soon An

No. Pemfailan: PI 2014702743

Tarikh Difaikan: 24 September 2014

Nama Produk: Cellulose Methacrylate As New Binder For Water Hyacinth Paper

Nama Penyelidik: Prof. Madya Dr. Supri A. Ghani

No. Pemfailan: PI 2014702066

Tarikh Difaikan: 25 Julai 2014

Nama Produk: Nanocomposites With Thermoplastic Material And Fillers And Method Of Preparation Thereof

Nama Penyelidik: Azlin Fazlina Osman

No. Pemfailan: PI 2014702062

Tarikh Difaikan: 25 Julai 2014

Nama Produk: Fiber-Reinforced Polymer Nanocomposites And Method Of Preparation Thereof

Nama Penyelidik: Azlin Fazlina Osman

No. Pemfailan: PI 2014702295

Tarikh Difaikan: 18 Ogos 2014

Nama Produk: A Geopolymer Composition For Coating Application

Nama Penyelidik: Prof. Madya Dr. Mohd Mustafa Al Bakri Abdullah

No. Pemfailan: PI 2014701894

Tarikh Difaikan: 10 Julai 2014

Nama Produk: A Cathodic Protection System Comprising An Electrochemical Cell Connected To An Anode Buried In The Ground And A Metal Structure To Be Protected

Nama Penyelidik: Shaiful Rizam B. Shamsudin

No. Pemfailan: PI 2014701121

Tarikh Difaikan: 2 Mei 2014

Nama Produk: Design and Specifications Of Single Array And Multiple Array Gap Electrode Lab-On-Chip Sensor

Nama Penyelidik: Prof. Dr. Uda Hashim

No. Pemfailan: PI 2014701132

Tarikh Difaikan: 5 Mei 2014

Nama Produk: A Lab-On-Chip System and Method For Detection Of Biomolecules

Nama Penyelidik: Prof. Dr. Uda Hashim

PI 2014701142

Tarikh Difaikan: 6 Mei 2014

Nama Produk: Eco-Activated Carbon Fiber Sheet For Purification

Nama Penyelidik: Aimi Noorliyana

No. Pemfailan: PI 2014701140

Tarikh Difaikan: 5 Mei 2014

Nama Produk: Fertigation Plantation Micro-Climate Monitoring System

Nama Penyelidik: Jeffy Affendi

HARTA INTELEK

No. Pemfailan: PI 2014701162

Tarikh Difaikan: 6 Mei 2014

Nama Produk: Eco-Cement Composition And Method And Material For Making Same

Nama Penyelidik: Aimi Noorliyana

No. Pemfailan: PI 2014701193

Tarikh Difaikan: 8 Mei 2014

Nama Produk: Wireless Automated Fertigation Control And Remote Monitoring System

Nama Penyelidik: Jeffry Affendi

No. Pemfailan: PI 2014701328

Tarikh Difaikan: 22 Mei 2014

Nama Produk: Intelligent Channel Selection In INEE 802.15.4 WSN 2.4Ghz ISM Spectrum For Coexistence Mitigation

Nama Penyelidik: Dr. Latifah Munirah Kamarudin

No. Pemfailan: PI 2014701982

Tarikh Difaikan: 21 Julai 2014

Nama Produk: An Optical Flow Based Emotion Revealing For Real Time Home Applications

Nama Penyelidik: Dr. M. Murugappan

No. Pemfailan: PI 2014702294

Tarikh Difaikan: 18 Ogos 2014

Nama Produk: System And Method For Malodour Detection To Diagnose Disease In Farm Birds

Nama Penyelidik: Prof. Madya. Dr. Abu Hassan Abdullah

No. Pemfailan: PI 2014702338

Tarikh Difaikan: 21 Ogos 2014

Nama Produk: A Polystyrene Adhesive

Nama Penyelidik: Dr. Mohd Afendi Rojan

No. Pemfailan: PI 2014702437

Tarikh Difaikan: 28 Ogos 2014

Nama Produk: Systems And Methods For Pairwise Biological Sequence Alignment

Nama Penyelidik: Dr. Nazrin Md Isa

No. Pemfailan: PI 20144702577

Tarikh Difaikan: 11 September 2014

Nama Produk: Fabrication Of Dye Sensitized Solar Cell With An Organic Dye From "Keriang Dot"

Nama Penyelidik: Gomesh Nair a/l Shashidaran

No. Pemfailan: PI 2014702842

Tarikh Difaikan: 29 September 2014

Nama Produk: A Natural Dye Sensitized Solar Cell Using Erioglossum Rubiginosum Fruit As Source For Dye-Sensitizer

Nama Penyelidik: Dr. Nor Azura Malini Ahmad Hambali

No. Pemfailan: PI 2014702865

Tarikh Difaikan: 29 September 2014

Nama Produk: Nano-Sensors And Methods For Manufacturing Thereof

Nama Penyelidik: Muhammad Mahyiddin Ramli

No. Pemfailan: PI 2014703429

Tarikh Difaikan: 17 November 2014

Nama Produk: Three-Phase Multilevel Inverter With Variable Frequency

Nama Penyelidik: Baharudin Ismail

No. Pemfailan: PI 2014702458

Tarikh Difaikan: 27 Ogos 2014

Nama Produk: Smart Surveillance System

Nama Penyelidik: Prof. Madya Dr. Mohd Fareq Abd. Malek

No. Pemfailan: PI 2014703170

Tarikh Difaikan: 27 Oktober 2014

Nama Produk: A Detachable Power Driven Unit For Instantly Transforming Manual Wheel Chair Into Motorized Unit

Nama Penyelidik: Dr. Shahrman Abu Bakar

No. Pemfailan: PI 2014703284

Tarikh Difaikan: 5 November 2014

Nama Produk: A Method Of Producing A Silicon Nanowires

Nama Penyelidik: Prof. Dr. Uda Hashim

