

UNIVERSITI KEBANGSAAN MALAYSIA
SENARAI PROJEK PENYELIDIKAN SCIENCEFUND RMKe-9

Bil	No. Projek	Tajuk Projek Penyelidikan	Ketua Projek	Fakulti	Tarikh Mula Projek	Tarikh Tamat Projek	Jumlah diluluskan
1	02-01-02-SF0311	Effects Of Pterostilbenes, A Stilbene Derivative, On Drug-Metabolizing Enzyme (Dme) Activities In Hepg2 Hepatoma Cancer Cell Lines: Potential In Drug Metabolism And Chemoprevention	Ahmad Rohi Ghazali	FSKB	8/1/2007	8/1/2009	248,816
2	02-01-02-SF0316	Genetic And Biochemical Variation Of Glucose-6- Phosphate Dehydrogenase (G6PD) Status Among Negritos (Orang Asli) Population In Peninsular Malaysia.	Endom binti Ismail	FST	8/1/2007	7/1/2009	242,500
3	02-01-02-SF0367	Simultaneous Polishing Unit Of Ammonia And Manganese Using Aerated Biological Filter In Drinking Water Treatment System	Siti Rozaimah Sheikh Abdullah	FKEJ	8/1/2007	8/1/2009	195,000
4	02-01-02-SF0399	Identification Of New Prognostic And Predictive Markers Of Lung Cancer	Roslan bin Harun	UMBI	8/1/2007	8/1/2009	261,080

5	02-01-02-SF0401	Expression And Characterization Of Recombinant Chitin Deacetylase (CDA) From Colletotrichum Gloeosporioides	Amir Bin Rabu	FST	8/1/2007	8/1/2009	191,000
6	02-01-02-SF0403	Characterisation Of Lignin Genes And Their Expression In Acacia Mangium X Acacia Auriculiformis Hybrid	R Wickneswari a/p V Ratnam	FST	8/1/2007	8/1/2009	229,000
7	02-01-02-SF0404	Characterization And Expression Of Flowering Genes In Calamus Palustris	Choong Chee Yen	FST	8/1/2007	8/1/2009	213,000
8	02-01-02-SF0408	Construction Of Multifunctional Oxygenase Gene Cassette For Aromatic Hydrocarbons Degradation	Ainon Hamzah	FST	8/1/2007	8/1/2009	196,000
9	02-01-02-SF0420	Ipomea Reptans (Water Spinach) For Bioremediation Application: The Isolation And Characterization Of Metallothionein (MT) Gene	Khairiah binti Jusoh	FST	8/1/2007	8/1/2009	290,000
10	02-01-02-SF0421	Effect Of Phyllagathis Rotundifolia Jack Extract On Endometriosis	Azimahtol Hawariah Lope Pihie	FST	8/1/2007	8/1/2009	185,000
11	02-01-02-SF0441	Regeneration Of Cochlear Hair Cells For The Future Treatment Of Deafness	Lokman bin Saim	FPER	8/1/2007	8/1/2009	254,400

12	02-01-02-SF0444	Reconstruction Of External Ear Via Tissue Engineering Technology Utilizing Co-Polyester Materials In Sheep Model For Future Clinical Application	Goh Bee See	FPER	8/1/2007	8/1/2009	241,000
13	02-01-02-SF0445	Reconstruction Of Tissue-Engineered Human Neural Tube For Future Clinical Application In Nerve Injury.	Shalimar Abdullah	FPER	8/1/2007	8/1/2009	223,400
14	02-01-02-SF0446	Peripheral Nerve Regeneration Via Tissue Engineering Technique For The Treatment Of Paralysis.	Amaramalar Selvi Naicker	FPER	8/1/2007	8/1/2009	243,400
15	02-01-02-SF0447	The Modulating Effects Of Piper Sarmentosum (Kadok) On Oxidative Stress And Inflammatory Markers In Atherosclerosis.	Zaiton Zakaria	FPER	8/1/2007	8/1/2009	221,000
16	02-01-02-SF0450	Identification Of Potential Oncogenes For Diagnosis And Prognostication Of Prostate Cancer	REENA RAHAYU	FPER	8/1/2007	8/1/2009	243,000
17	02-01-02-SF0451	The Formation Of Tissue Engineered Conjunctiva For The Treatment Of Pterygium	Jemaima binti Che Hamzah	FPER	8/1/2007	8/1/2009	228,400
18	03-01-02-SF0308	Prediction Of Stochastic Fatigue Crack Using Probabilistic Method	Ahmad Kamal Ariffin Mohd Ihsan	FKEJ	8/1/2007	8/1/2009	171,000

19	03-01-02-SF0309	Inverse Analysis For Corrosion Detection Problem	Ahmad Kamal Ariffin Mohd Ihsan	FKEJ	8/1/2007	7/1/2009	138,000
20	03-01-02-SF0318	Development Of Microexchanger For Liquid-Based Thermal Management In High-Performance Semiconductor Package	Shahrir bin Abdullah	SERI	8/1/2007	8/1/2009	218,000
21	03-01-02-SF0329	Development Of A Stand-Alone Solar Powered Regenerative Proton Exchange Membrane (Pem) Electrolyzer -Fuel Cell System	Kamaruzzaman Sopian	SERI	8/1/2007	8/1/2009	270,232
22	03-01-02-SF0346	Development Of A Novel Photobioreactor For Improvement Of Biohydrogen Production	Jamaliah binti Md Jahim	FKEJ	8/1/2007	8/1/2009	367,720
23	03-01-02-SF0356	Development Of Quality Economics Data For Supply Chain Solutions In Manufacturing Companies	Mohd Nizam Ab Rahman	FKEJ	8/1/2007	8/1/2009	216,232
24	03-01-02-SF0358	Fabrication Of Improved White Organic Light Emitting Diode For Flat Panel Display	Muhamad bin Mat Salleh	IMEN	8/1/2007	7/1/2009	332,300
25	03-01-02-SF0359	Development Of Gas Sensor Using Tio2 Nanoparticles Coated With Bio-Material Thin Films	Muhamad bin Mat Salleh	IMEN	8/1/2007	8/1/2009	280,000
26	03-01-02-SF0372	Development Of High Performance Composite Noise Barrier Panels From Local Natural Fibre Materials	Rozli bin Zulkifli	FKEJ	8/1/2007	8/1/2009	178,000

27	03-01-02-SF0375	Structural And Tribological Characterisations Of Cu-Based Alloys As Coating Materials For Connecting Rod Bearings In Automotive Engine	Mariyam Jameelah Ghazali	FKEJ	8/1/2007	8/1/2009	128,000
28	03-01-02-SF0385	Development Of Nanostructured ZnS/Cis Films For Advanced Solar Cell Application	Huda binti Abdullah	SERI	8/1/2007	8/1/2009	248,080
29	03-01-02-SF0386	Development Of Nanocrystal Mesoporous ZnO For Dye Synthesized Solar Cell (DSSC)	Huda binti Abdullah	SERI	8/1/2007	3/1/2009	158,400
30	03-01-02-SF0393	Development Of Active Sound Absorption Panel Using Agro-Based Organic Fibre	Mohd. Jailani bin Mohd Nor	FKEJ	8/1/2007	8/1/2009	129,000
31	03-01-02-SF0396	Development Of Novel Depositless Spray Dryer	Wan Ramli Wan Daud	CELLFUEL	8/1/2007	8/1/2009	211,000
32	03-01-02-SF0405	Development Of Low Temperature Solid Oxide Fuel Cell Electrolytes And Electrodes	Wan Ramli Wan Daud	CELLFUEL	8/1/2007	8/1/2009	308,720
33	03-01-02-SF0415	Recycled PET-Glass Fiber Composite For Boat Components	Ishak bin Ahmad	FST	8/1/2007	4/1/2009	147,400
34	03-01-02-SF0422	Magnetic Elements Doped Silicon And Germanium For Spintronics Applications	Noor Baa'yah binti Ibrahim	FST	8/1/2007	5/31/2009	190,520

35	03-01-02-SF0423	Preparation And Characterization Of Solid Polymeric Electrolyte Of PEO-Zno-Liclo4	AZIZAN BIN AHMAD	FST	8/1/2007	8/1/2009	120,000
36	03-01-02-SF0424	Development Of A High Strength Aluminium Alloy Composite Reinforced With Ceramics Of Aluminium	Abdul Razak Daud	FST	8/1/2007	8/1/2009	144,000
37	03-01-02-SF0426	Continuous Solid Feed Processing For Rapid High-Pressure Fractionation Of Plant-Based Products	Masturah Markom	FKEJ	8/1/2007	8/1/2009	312,400
38	03-01-02-SF0429	Nanowire Solid State Dye-Sensitized Solar Cells	Muhammad bin Yahaya	FST	8/1/2007	8/1/2009	193,800
39	03-01-02-SF0436	Synthesis And Characterization Of Thermally Conductive Epoxy-Grafted Conjugated Polymers	Rusli bin Daik	FST	8/1/2007	8/1/2009	208,600
40	03-01-02-SF0453	Development Of Graphite/Carbon Based Polymer Composite Plates With High Electrical Conductivity	Ja'afar bin Sahari @ Shaari	FKEJ	8/1/2007	8/1/2009	175,000
41	03-01-02-SF0455	Development Of A Micro Direct Methanol Fuel Cell (Dmfc) System For Portable Applications	Siti Kartom binti Kamarudin	CELLFUEL	8/1/2007	8/1/2009	195,000
42	04-01-02-SF0343	Implementing Integrated Water Resources Management (IWRM) In Malaysia: Multistakeholder And Multidisciplinary Approach	Mazlin B. Mokhtar	LESTARI	8/1/2007	8/1/2009	227,680

43	04-01-02-SF0377	Groundwater Ecosystem: The Impact Of Groundwater Abstraction To Land Stability In Langat Basin	Jasni bin Yaakub	LESTARI	8/1/2007	8/1/2009	266,600
44	04-01-02-SF0378	Landscape Ecological Assessment Of Protected Areas In Peninsular Malaysia For Sustainable Management Planning	Saiful Arif Abdullah	LESTARI	8/1/2007	8/1/2009	187,000
45	04-01-02-SF0392	Development Of A High Efficiency Marine Current Energy Converter	Othman A. Karim	FKEJ	8/1/2007	4/1/2009	227,200
46	04-01-02-SF0397	Development Of A Comprehensive Marine Energy Atlas For Malaysia	Khairul Nizam Abdul Maulud	FKEJ	8/1/2007	8/1/2009	247,400
47	04-01-02-SF0407	Development Of Robust Single Outlier Detection Procedure For Non-Linear Time Series Data	Azami bin Zaharim	FST	8/1/2007	8/1/2009	153,680
48	04-01-02-SF0412	Development Of High Resolution 3D Hydrodynamic Model Of Water Circulation And Oceanographic Conditions Along Peninsular Malaysia's Eastern Continental Shelf	Fredolin Tangang @ Tajudin Mahmud	FST	8/1/2007	8/1/2009	160,000
49	04-01-02-SF0413	Investigation Of The Relative Influence Of ENSO And Indian Ocean Dipole (IOD) Phenomena On Interannual Climate Variability In Malaysia	Fredolin Tangang @ Tajudin Mahmud	FST	8/1/2007	8/1/2009	97,600

50	04-01-02-SF0418	New Techniques For Rapid Toxicity Evaluation And Bioassay Of Wastewater	Salmijah binti Surif	FST	8/1/2007	8/1/2009	255,200
51	04-01-02-SF0425	New Derivation On Classical Problems Of Analytic Univalent Functions Via Operator Defined On Hilbert Space	Maslina binti Darus	FST	8/1/2007	8/1/2009	130,800
52	04-01-02-SF0428	An Innovative Biomarker Technique For Aquatic Pollution Assessment Using Freshwater Chironomid	Ahmad bin Abas Kutty	FST	8/1/2007	8/1/2009	229,600
53	04-01-02-SF0437	Investigation Of Maritime Weather System And Development Of High-Resolution Rainfall Prediction System In Malaysia Regions Based On The PSU/NCAR 5th Generation Mesoscale Model	Liew Ju Neng	FST	8/1/2007	8/1/2009	134,000
54	05-01-02-SF0340	Induction Of Embryo Development To Elucidate The Molecular Biology Of Somatic Embryogenesis In Mangosteen	Normah Mohd. Noor	INBIOSIS	8/1/2007	8/1/2009	213,800
55	05-01-02-SF0435	Production And Utilization Of Isolated Protein From Palm Kernel Cake	Mohd Khan Ayob	FST	8/1/2007	8/1/2009	205,000
56	05-01-02-SF0443	Development Of High Quality Cryopreserved Sperm For Assisted Reproductive Technology(ART): An Animal Model	Siti Fatimah binti Ibrahim	FPER	8/1/2007	8/1/2009	184,000

57	06-01-02-SF0305	Laboratory And Field Studies Of Sirih Lada(Piper Aduncum)Extract And Household Spacespray For Controlling Dengue Vectors	Sallehudin bin Sulaiman	FSKB	8/1/2007	8/1/2009	157,040
58	06-01-02-SF0313	Dietary Fats, Interesterification And Postprandial Lipaemia	Tilakavati Karupaiah	FSKB	8/1/2007	8/1/2009	166,600
59	06-01-02-SF0314	Body Composition, Energy Expenditure And Their Relationship With Metabolic Syndrome Indicators In Normal And Obese Malaysian Children	Poh Bee Koon	FSKB	8/1/2007	8/1/2009	221,120
60	06-01-02-SF0315	Improving Reading Ability Of Dyslexic Children In Malaysia Using Low Vision Aids	Rokiah binti Omar	FSKB	8/1/2007	8/1/2009	147,856
61	06-01-02-SF0323	Development Of Condition Rating Procedure Of Integral Bridge	Roszilah binti Hamid	FKEJ	8/1/2007	8/1/2009	232,220
62	06-01-02-SF0332	Development Of Malaysian Drivers' Profile For Accident Prevention And Intervention	Rozmi bin Ismail	FSSK	8/1/2007	8/1/2009	228,360
63	06-01-02-SF0333	Quantifying The Economic Impacts Of Different Blends Of Biodiesel Production On The Diesel And Agriculture Markets, And The Environment	Abdul Hamid bin Jaafar	FEP	8/1/2007	8/1/2009	185,400

64	06-01-02-SF0345	Development Of A Tool For Benchmarking Implementation In Manufacturing Smes	Baba bin Md Deros	FKEJ	8/1/2007	8/1/2009	219,040
65	06-01-02-SF0357	Kajian Pembentukan Indeks Keefisienan Bandaraya Utama Semenanjung Malaysia	Hamzah bin Jusoh	FSSK	8/1/2007	8/1/2009	189,600
66	06-01-02-SF0394	Pemindahan Kepakaran (Pengetahuan) Kepada Pekerja Mahir Bumiputera Di Industri Berteknologi Tinggi (Technopole) Cyberjaya, Taman Teknologikulim High Tech	Abd. Hair bin Awang	FSSK	8/1/2007	2/1/2009	95,280
67	06-01-02-SF0395	The Maturation Of Central Auditory System And Its Relationship With Speech Perception Performance In Children With Cochlear Implants	Siti Zamratol-Mai Sarah	FSKB	8/1/2007	8/1/2009	121,700
68	06-01-02-SF0411	Chemical Modifications Of Filler-Matrix Interface In Thermoplastic Wood Composites	Ibrahim Abdullah	FST	8/1/2007	8/1/2009	223,160
69	06-01-02-SF0448	Risk Factors And Development Of Myopia In Urban And Rural Schoolchildren	Norhani binti Mohidin	FSKB	8/1/2007	6/30/2009	108,250
70	06-01-02-SF0449	Factors Affecting Auditory Performance Of Severely And Profoundly Hearing-Impaired Children Following Cochlear Implantation	Cila Umat	FSKB	8/1/2007	8/1/2009	163,500

71	06-01-02-SF0452	A Biomechanical Model Of School Children's Walking Posture: The Effects Of Load Carriage (School Backpack).	Azmin Sham binti Haji Rambely	FST	8/1/2007	8/1/2009	211,900
72	01-01-02-SF0344	Development Of Testbed With Intelligent Simulator On Location Based Services In Cellular Networks	Mahamod Ismail	FKEJ	10/1/2007	3/1/2009	215,880
73	01-01-02-SF0331	A Dynamic Automated Scheduler Using Meta-Heuristic Approach	Masri binti Ayob	FTSM	10/1/2007	3/1/2009	63,000
74	01-01-02-SF0371	Optical Coded Division Multiple Access Encoder And Decoder Using Arrayed Waveguide Gratings	Sahbudin Shaari	IMEN	9/1/2007	2/1/2009	304,500
75	01-01-02-SF0366	Configuration-Based Support Tool For Reliability Prediction In Mechanical Components	DZURAIDAH ABD WAHAB	FKEJ	9/1/2007	2/1/2009	213,400
76	01-01-02-SF0369	The Design Of 13.56 Mhz RFID Reader Employing Silterra Technology	Mohd. Alauddin bin Mohd. Ali	FKEJ	9/1/2007	2/1/2009	356,500
77	01-01-02-SF0338	Development Of Tomography- Surface Wave For Engineering Assessment Of Geotechnical Structures	Zamri Bin Chik	FKEJ	10/1/2007	3/1/2009	328,320

78	01-01-02-SF0387	Development Of A Malaysian Sex Education Courseware (MSE) For Secondary School Based On 3D Animation Approach	Azizah binti Jaafar	FTSM	9/1/2007	2/1/2007	170,220
79	01-01-02-SF0454	Development Of An Online Monitoring And Control System For A Biological Treatment Of Wastewater In A Sequencing Batch Reactor Based On Artificial Intelligence Techniques	Siti Rozaimah Sheikh Abdullah	FKEJ	9/1/2007	2/1/2009	180,000
80	01-01-02-SF0325	Classification-Based Method For Representing Simulatable Flow Chart Diagram	Syahanim Mohd Salleh	FTSM	9/1/2007	3/1/2009	113,400
81	01-01-02-SF0381	Image Based Fuzzy Expert System For Paddy Diseases Diagnosis	Salwani Abdullah	FTSM	9/1/2007	2/1/2009	139,800
82	01-01-02-SF0363	Development Of An Intelligent System For Environmentally Sustainable Construction Practice	Noor Ezlin binti Ahmad Basri	FKEJ	9/1/2007	2/1/2009	104,000
83	01-01-02-SF0336	Development Of On-Line Psychometric Entrepreneurship Index (OLPEI) Instrument For Malaysian Undergraduates At Higher Learning Institutions	Nor Aishah binti Buang	FPEND	9/1/2007	2/1/2009	128,920
84	01-01-02-SF0374	Development Of Joint Audio-Visual Signal Processing Systems For Malay Speech And Speaker Recognition.	Salina binti Abdul Samad	FKEJ	9/1/2007	2/1/2009	225,500

85	01-01-02-SF0324	Edutainment Courseware For Teaching Moral Values	Nor Azan binti Hj. Mat Zin	FTSM	9/1/2007	8/1/2009	210,400
86	01-01-02-SF0306	Development Of Automated Malay-Jawi Documents Transliteration Web Service Using XML-Based Protocol	Mohd. Zamri bin Murah	FTSM	9/1/2007	12/1/2008	62,500
87	01-01-02-SF0347	The Development Of Goediversity Repository Based On Digital Object Modelling.	Aziz Bin Deraman	FTSM	10/1/2007	3/1/2009	214,500
88	01-01-02-SF0414	Development Of A Consumption Model For ICT Broadband Services	Nur Riza binti Mohd. Suradi	FST	9/1/2007	2/1/2009	184,000
89	01-01-02-SF0353	Development Of An Integrated Model And Intelligent Support Tool For Software Certification Process	Aziz Bin Deraman	FTSM	10/1/2007	3/1/2009	191,250
90	01-01-02-SF0328	Pembangunan Sistem Penilaian Dan Persediaan Bagi Pengembangan Potensi Kerjaya Berasaskan Web (S4PK)	Amla Mohd Salleh	FPEND	9/1/2007	3/1/2009	125,794
91	01-01-02-SF0355	Development Of Dynamic Tool For The Assessment Of Quality Improvements Within A Cell-Based Automotive Manufacturing Company	Mohd Nizam Ab Rahman	FKEJ	10/1/2007	3/1/2009	181,424
92	01-01-02-SF0376	Novel MIMO Testbed Development For Broadband Wireless System	Norbahiah Misran	ANGKASA	10/1/2007	9/1/2009	254,464

93	01-01-02-SF0461	Development Of Online 21st Century Thinking Skills Assessment: Towards Humanising Assessment Of Human Capital	Kamisah Osman	FPEND	9/1/2007	2/1/2009	281,400
94	01-01-02-SF0471	Advanced Resource Management Solutions For Future All Ip Heterogeneous Mobile Radio	Mahamod Ismail	FKEJ	10/1/2007	4/1/2009	208,480
95	02-01-02-SF0419	Expression Of Cellobiohydrolase And Endoglucanase Genes From Aspergillus Terreus SUK-1 In Pichia Pastoris	Nik Marzuki bin Sidik	FST	10/1/2007	9/1/2009	196,000
96	03-01-02-SF0457	Fabrication Of Micro Components By Metal Injection Molding Process	Norhamidi bin Muhamad	FKEJ	9/1/2007	8/1/2009	327,000
97	03-01-02-SF0459	Development Of A Webcam Based Visual Servo System For Autonomus Robot Control In Agricultural Applications	Sallehuddin Mohamed Haris	FKEJ	9/1/2007	8/1/2009	236,360
98	03-01-02-SF0464	Photonic Crystal Devices For Optical Communications	Sahbudin Shaari	IMEN	9/1/2007	2/1/2009	191,000
99	06-01-02-SF0373	Corporate Finance Behaviour: Towards Key Financial Performance Index (KFPI) Of Malaysian Firms	Fauzias binti Mat Nor	FEP	10/1/2007	9/1/2009	124,300
100	06-01-02-SF0469	Enhanced Bioremediation By Microbial Consortia In Areas Contaminated With Petroleum Hydrocarbon Waste	Salmijah binti Surif	FST	9/1/2007	8/1/2009	199,000

101	06-01-02-SF0472	Automated Biomonitoring For Monitoring Freshwater Pollution	Mohammad Shuhaimi Bin Othman	FST	10/1/2007	9/1/2009	170,800
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