

Kakitangan Bukan Akademik

Cik Azlin Mohmad Azman

Website

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2. PENYELIDIKAN

i. Senarai Penyelidikan

BIL	KOD PROJEK/ PROJEK	KETUA PROJEK	PEMBIAYA	JUMLAH DANA (RM)
1.	AP-2013-006 Functional Biopolymer Composites	Rusli Daik	UKM	250,000.00
2.	PTS-2013-118 Penghayatan sains kimia melalui pendekatan sains tauhidik	Sharina Binti Abu Hanifah	UKM	10,000.00
3.	PTS-2013-103 Strategic Planning Towards the Development of Study and Research Facilities in the School of Chemical Sciences and Food Technology	Farah Hannan Anuar	UKM	8,000.00
4.	GUP-2012-085 Polymer Nanofluid from Polypyrrole and Deep Eutectic Ionic Liquid for Thermal Energy Storage	Rusli Daik	UKM	30,000.00
5.	UKM-GUP-2012-042 A Hydrophobic Coating Film from recycled polyethylene terephthalate waste and palm kernel oil-based polyester blends	Khairiah Badri	UKM	30,000.00
6.	GUP-2012-0-076 Green synthesis of modified hydrophobic empty fruit bunch (EFB) for water purification.	Suria Ramli	UKM	40,000.00
7.	DLP-2013-041 Nanobendalir Polimer sebagai Medium Penyimpan Haba	Rusli Daik	UKM	100,000.00
8.	DIP-2012-018 Enzyme and microbial biotransformation of plant fiber for the production of vanillic acid and vanillin	Khairiah Badri	UKM	100,000.00
9.	DIP-2-12-34 Antibacterial Regenerated Cellulose Products loaded with Silver nanoparticles, Graphene Oxide and Nanocrystalline Cellulose	Sarani Zakaria	UKM	200,000.00
10.	GGPM-2012-109 Palm Oils Diesel Microemulsion Fuels: Phase Behaviours and Their Properties	Suria Ramli	UKM	50,000.00

11.	GGPM-2012-070 Penyediaan dan pencirian kayu sintetik kalis air dan tahan kulat sebagai asas pembuatan lantai kayu moden	Azizah Baharum @ Abdul Aziz	UKM	40,000.00
12.	GGPM-2013-043 Potential of Polyactide Based Block Copolymer as Novel Solid Polymer Electrolyte	Farah Hannan Anuar	UKM	48,000.00
13.	HEJIM Industri-2013-022 Nata De Coco Based Hydrogel Via Microwave Irradiation Technique For Treatment Of Open And Burn Wound	Mohamad Azwani Shah Bin Mat Lazim	UKM	25,00.000
14.	HEJIM Industri-2013-0025 Preparation and characterization of Hybrid Kevlar/Kenaf Prepreg using biological Phenolic Resin for Bullet Proof Vest	Sarani Zakaria	UKM	25,000.00
15.	ETP-2013-026 Palm-Based Elastomeric Polyurethane as a Tool for Pipeline Inspection	Khairiah Badri	UKM	140,000.00
16.	ETP-2013-002 Cellulose Hydrogel and Graphene Cellulose Hydrogel Membrane For Water and Dye Absorption	Sarani Zakaria (ko)	UKM	227,800.00
17.	FRGS/1/2011/TK/UKM/02/16 Mekanisme Penyerapan Radiasi Neutron Konkrit Tetulang Gentian Prestasi Tinggi dengan Boron Karbida untuk Aplikasi Loji Reaktor Nuklear	Rozilah Hamid dan Prof. Dr. Sahrim Ahmad	KPT	235,500.00
18.	FRGS/1/2012/SG07/UKM/01/1 Mechanism of Adhesion of Polycaprolactone/Palm Kernel Oil based Polyurethane Adhesive to Alloy 2024	Sahrim Ahmad	KPT	133,000.00
19.	FRGS/2/2013/SG01/UKM/02/2 Kinetics and mechanism of acid hydrolysis of oil palm empty fruit bunch fibres into levulinic acid	Chia Chin Hua	KPT	109,700.00
20.	FRGS/1/2013/ST01/UKM/02/2 New diffusion models and investigating their roles in improving biosensor performance of some new acrylic based biosensor membranes	Sharina Binti Abu Hanifah	KPT	92,000.00
21.	FRGS/2/2013/SG06/UKM/02/2 Swelling Mechanism Study Of pH Responsive Biodegradable Cellulose Nanocrystals (CNC) Based Hydrogels Cross-Linked With Polyacrylic Acid For Drug Delivery	Ishak Bin Ahmad	KPT	127,000.00

22.	FRGS/1/2012/ST01/UKM/02/5 Thermally Conductive Adhesive From Chemically Modified-Cellulose And Nanoparticles Of Surfactant-Doped Polypyrrole	Rusli Daik	KPT	115,200.00
23.	FRGS/1/2013/SG06/UMT/02/1 Palm kernel oil-based polyester in fabricated polyurethane incorporated multi-walled carbon nanotubes for wound dressing application	Khairiah Badri (ko)	KPT	98,000.00
24.	ERGS/1/2013/TK07/UKM/03/1 Potential of Polylactide Based Block Copolymer as Novel Solid Polymer Electrolyte for Solar Cell Application	Farah Hannan anuar	KPT	113,000.00
25.	ERGS/1/2012/STG01/UKM/03/3 Application of Biomimetic Nanocatalyst in the Hydrolysis of Palm Kernel Cake (PKC) for the Production of Mannose and Oligo-Mannan	Chia Chin Hua	KPT	94,000.00
26.	ERGS/1/2012/STG05/UKM/01/4 Development Of Super Toughen Regenerated Cellulose Fibre Via Pre Cool Method	Sarani Zakaria	KPT	99,000.00
27.	ERGS/1/2011/STG/UKM/02/15 New macromolecules incorporated into nanocomposite optocal array capable of trace-level recognition of anionic pollutants	Sharina Binti Abu Hanifah	KPT	106,000.00
28.	ERGS/1/2013/STG01/UKM/02/5 Thermal Energy Storage Polymer Nanofluid From Dispersion Of Electroactive Polymer Nanoparticle In Deep Eutectic Ionic Liquid	Rusli Daik	KPT	128,000.00
29.	ERGS/1/2013/STG01/UKM/02/2 Chemical Conversion of Terephthalic Acid From Oil Palm Biomass to Polyethylene Terephthalate Via Diels Alder Reaction	Khairiah Badri	KPT	132,000.00
30.	ERGS/1/2013/TK03/UKM/02/6 Synthesis of Elastomeric Polymers for Robust Strengthening of Reinforced Concrete Structures subjected to Blast Effects	Khairiah Badri (ko)	KPT	130,000.00
31.	02-01-02-SF0821 A DNA Biosensor with dry-reagent for rapid detection of biohazard vibrio cholerae in flood disaster zones	Sharina Binti Abu Hanifah (ko)	MOSTI	265,000.00
32.	06-01-02-SF1057 Molecularly Imprinted Polymer With Controlled Porosity For Supercapacitor Electrode	Rusli Daik	MOSTI	98,250.00
33.	03-01-02-SF0949 A Hydrophobic Green Polyurethane for Anti-Weathering Coating On Fiberboard	Khairiah Badri	MOSTI	159,400.00

34.	03-03-01-SF0104 Development of hyperbranched Curable resin from palm oil	Khairiah Badri (ko)	MOSTI	233,000.00
35.	03-02-01-SF1000 Biobased Thermoplastic Composites from Thermoplastic Natural Rubber and Mengkuang Fiber	Ibrahim Abdullah	MOSTI	127,000.00
36.	ZF-2013-011 Oil palm ecological restoration and agro ecosystem services inventory (OPERASI)	Sharina Binti Abu Hanifah (ko)	KPT	20,000.00
37.	FRGS/2/2013/TK06/UKM/02/1 Penghasilan Hidrogen daripada Proses Pembelahan Molekul Air Menggunakan Mangkin Logam Terpilih	Rizafizah Othaman	KPT	111,400.00
38.	FRGS/1/2013/ST01/UKM/02/3 Catalytic Hydrogenation of Liquid Natural Rubber (LNR) and Their Self-Assembly Behavior	Ibrahim Abdullah	KPT	141,000.00
39.	FRGS/1/2011/SG/UKM/02/25 Synthesis of Biodegradable and Medicated microgels using Extracted pectin from Malaysian Fruits	Suria Ramli	KPT	210000.00
40.	PRGS/1/13/SG07/UKM/01/1 Developments of regenerated kenaf core cellulose superabsorbent containing graphene oxide via environmentally friendly precooling method	Sarani Zakaria	KPT	220,000.00
41.	LRGS/TD/2012/USM-UKM/PT/04 Fabrication and Characterizations of Embedded Self Reinforced Regenerated Kenaf Cellulose Fibres and Nano-Crystalline-Cellulose Treated with Nano Functional Groups.	Sarani Zakaria	KPT	1,843 0000.00
42.	UCIP150 Production of Natural Oil Polyurethane Polyols	Khairiah Badri	Cradle Fund Sdn Bhd	150,000.00

3. PENERBITAN

i. Makalah Dalam Jurnal Terindeks (ISI/SCOPUS)

BIL	PENGARANG	JUDUL KARYA	TAJUK JURNAL
1.	Sajab, M.S., Chia, C.H., Zakaria, S. , Khiew	Cationic and anionic modifications of oil palm empty fruit bunch fibres for the removal of dyes from aqueous solutions,	Bioresource Technology 128: 571-577
2.	Zakaria, S. , Liew, T.K., Chia, C.H. , Pua, F.L., Fan, S.P., Roslan, R., Amran, U.A., Potthast, A., Rosenau, T., Liebner, F.	Characterization of Fe ₂ O ₃ /FeOOH catalyzed solvolytic liquefaction of oil palm empty fruit bunch (EFB) products,	Journal of Bioremediation & Biodegradation 84