

Tahun	Jenis Dana	Tajuk Projek
2016	ScienceFund	<p>Innovative High Dynamic Range Imaging - from Information Hiding to Its Applications</p> <p>Rescue of photoreceptors degeneration by human mesenchymal stem cells expressing erythropoietin in a rat model of retinitis pigmentosa</p> <p>Development of Maerogel/Epoxy Composite for Sustainable Thermal Insulation Applications</p> <p>Design and Development of Fire Retardant High Strength Sandwich Structure for Building Construction</p> <p>Development of a New Advanced Manufacturing Technique for 3D Metal Printing using a Micro-Plasma System and Characterization of the Printed Material</p> <p>An integrated online control valve stiction diagnosis and compensation in a hybrid Model Predictive Controller framework</p> <p><i>Adaptive Auditory Brainstem Response Extraction in Wireless Mobile Application</i></p> <p><i>Pipe Crack Detection System by Using the Non-destructive Testing based Mindstorm Robot with Multiple NXT Sensors</i></p> <p>Ingenious Technique to Diminish Peak Average Power Ratio (PAPR) Obstacle in the Future 5th Generation (5G) Wireless Systems</p> <p>Development of Parapoxvirus vaccine to control Contagious ecthyma (Orf) among small ruminants in Malaysia</p> <p>Enzymatic Acidolysis Using Lipase from <i>Geobacillus</i> sp. strain ARM to Produce Cocoa Butter Substitute</p> <p>Development of an Effective and Sustainable Alginate-Starch Based Microencapsulation and Controlled Release for <i>Trichoderma harzianum</i> UPM29</p> <p>Microalgae Bio-product from Phycoremediation of Different Wastewaters as Fish Feed</p> <p>Validation of the PASD1 protein as an immunotherapeutic target in colorectal cancer</p> <p>Low Pressure Storage System Using Amine Functionalize Multiwall Carbon Nanotube As Adsorbent Materials For Natural Gas Storage</p> <p>Development Of Graphene-Magnetic Iron Oxide Water Based Nanofluid Coolant For Machining Applications</p> <p>Development Of A Prototype Nanocrystal Non-Toxic Semiconductor In Quantum Dot Sensitized Solar Cell</p> <p>Development Of A New Technique For Preparing Advanced Material (Ionic Liquid Gel Polymer Electrolytes) For Lithium (Li) Battery Application</p> <p>Development Of Metal Organic Framework (Mof)-Thin Film Nanocomposite Forward Osmosis (Fo) Membrane For Produced-Water Recovery</p> <p>High Performance White Quantum Dot Light Emitting Diode (Qd-Led) Based On Inp/Znse/Zns Colloidal Nanocrystal</p> <p>Grapheneous Conductive Ink For Inkjet Printing Of Nanodevice Applications Industry</p> <p>A Proposal To Improve Seasonal Forecasting Capacity for Malaysia with an Atmosphere-Ocean Coupled Regional Climate Model</p> <p>Implications of Current Pattern on Dispersal of Coral Larvae in Isolated Reef near Balok Coastal Area</p> <p>High-Resolution Estimation of Carbon Stock and Changes in Tropical Forests of Sabah for Capturing Climate Change Funds</p> <p>Development of an On-the-go Variable Rate Fertilizer Application System for Paddy Production</p> <p>Development of a Prototype Biomimetic Micro Air Vehicle (BMAV)</p>

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		Application of Modified Natural Fiber in Lime Treated Tropical Marine Soil to Enhance its Dynamic Behaviour
		Combining Cost Benefit and Reliability Analyses of Rain Water Harvesting System for Commercial Buildings
		eBaby language assessment: Development and application of an innovative mobile and tablet-based formal language assessment tool to detect language delay in young children
		Development of Medium-Weight Cementitious Composite Containing Polymer and Lignocellulosic Residues Construction Material
		Design and development of an automatic feeding device for Pineapple transplanter.
		A Low Embodied Energy Hybrid Binder and Aggregate System for Structural Concrete Production
		Ramalan Potensi Pencemaran Pesticid dan Nutrient Menggunakan Model SWAT di Cameron Highlands, Pahang, Malaysia.
		Assessing the Implementation of Green Space Policy on Housing Development in Peninsular Malaysia
		Development of composite adsorptive membrane for the removal of dye and heavy metals in wastewater
		Carrier-assisted Transport of Metals by Multi-stage Supported Liquid Membrane System
		Low Speed Vertical Axis Current Turbine for Electrification of Remote Areas in Malaysia
		Development of a Parallel biosensing system for personalized and point-of-care chemotherapy treatment
		Development of an Adaptive Reflectarray 5G Antenna for User Tracking Applications
		CRISPR/Cas9 mutation-specific gene editing of an obesity risk loci as a potential gene therapy tool for obesity
		Partially transparent bifacial solar panel for building façade
		Fabrication and characterization of a cost effective and efficient bi-facial solar module with Pt-reinforced interconnections
		A Novel RF( Radio Frequency) Energy Harvesting Prototype Operating on Multiple Frequency Bands with Advanced Power Management System
		Development Smart Microsurgical Device in Retinal Microsurgery Based on Optical Tactile Sensing Technique
		Optimization of Non-Catalytic Dimethyl Carbonate Method For Biodiesel Production using Microwave Assisted Reaction
		One-step process for microalgal biodiesel production using Subcritical Water Extraction (SWE) technology
		Development of high performance cold plate for industrial application
		The Optimized Plate Type Floor Splitter Design to Reduce Vortices in Water Pump Intake
		Novel Tactile Sensory Surface Mat with Electrical Stimulation (SMES) for the Prevention of Pressure Ulcers due to Immobility
		Design and Implementation of a Parallelized Complex Event Processing Platform For Internet of Things Application
		Unsteady Blood Flow Visualization for Abdominal Aortic Aneurysm
		Mobile Based Automated Car Plate Localization and Recognition using Neural Networks
		Development and characterisation of a flexible valve timing system towards optimised performance of small internal combustion engines.
		Innovative High Dynamic Range Imaging - from Information Hiding to Its Applications

Tahun	Jenis Dana	Tajuk Projek
2016	TechnoFund	Setting-up A Pilot Plant For Pre-commercialization of Rice Straw Fiber Pulp For Packaging Products RFID Technology on Metal Trackless Automated Guided Vehicle Pre-Commercialisation of Multistrand Post-Tensioning System Renewable energy - Air Powered Engine/Generator Pilot Production of Cocoa based Soap Pre-Commercialisation & Enhancement of a New Innovative Kenaf Anti Ricochat Composite for Target Practice in Shooting Range Cold-Flow Polymeric Emulsion for Oil Flow Assurance The Production of Oil Palm Fiber-Based Substrates for RF/Microwave Applications ECOLOO – Sustainable Toilet System Pilot Scale De-Ashing Machine to remove the ash forming elements in EFB for Bio Oil Production. Newtonian Gyration Power Plant New Generation of Interactive Service Robot with In-Store Analytics Capabilities Nano encapsulation and Extraction of Keningau Cinnamon Using Ultra Sonic-Assisted Hydrodistillation
2016	InnoFund	Filtering Apparatus Development of Clothes Folding Machine with Automatic Hanger Development of Slot Bamboo Lumber (SBL) YJACK Validation Test Penyelidikan & Pembangunan Sistem Penyaman Udara Vorteks Portable Eco Supply