

## Research Grants of JKM's Academic Staff for Year 2020

Link to Access Offer Letters : <https://tinyurl.com/jkmgrants2020>

Grant	Researcher Name	Research Title	Start Date	End Date	Allocation (RM)	Status	Senarai Nama Penyelidik
ASEANNCAP (ANCHOR)	TAN KEAN SHENG	MOTORCYCLISTS POST-CRASH INJURIES AND CAR SAFETY	01/09/2020	31/08/2021	13,200.00	Active	Prof Dr Risby bin Mohd Sohaimi, Dr Ng Choy Peng, Dr Loh Wei Ping (USM)
SHORT TERM	AIDY BIN ALI	MECHANISM OF WARP DENSITY, WEFT DENSITY, AND DELAMINATION PARAMETERS ON BALLISTIC IMPACT PROPERTIES OF LAMINATED HYBRID BAMBOO/E GLASS/EPOXY NATURAL GREEN COMPOSITES	01/07/2020	30/06/2022	20,000.00	Active	Dr Ku Zarina binti Ku Ahmad, Dr Kannan A/L Rassiah (Politeknik Port Dickson), Brid Jen Prof Ir Dr Norzman bin Mohamad Nor (Bersara)
SHORT TERM	NOOR HAFIZAH BINTI AMER	FORMULATION OF WALKING LEG DYNAMIC RELATIONS AND TORQUE CHARACTERISTICS FOR CONTROLLABLE KNEE BRACE SYSTEM	01/07/2020	30/06/2022	20,000.00	Active	Prof Madya Dr Khisbullah Hudha, Dr Zulkiffi bin Abd Kadir
SHORT TERM	NORWAZAN BINTI ABDUL RAHIM	ANALYSIS OF INTERACTION BETWEEN TiO <sub>2</sub> AND CNT NANOPARTICLES IN WASTE COOKING OIL BIODIESEL SYNTHESIS	01/07/2020	30/06/2022	20,000.00	Active	Prof Madya Dr Leong Kin Yuen, Prof Madya Ir Dr Rosdzimin bin Abdul Rahman, Ir Dr Abd Rahim bin Mat Sarip, Prof Dr Md. Abul Kalam (UM)
SHORT TERM	KHAIRUL HASNI BIN KAMARUDIN (B)	CORRELATION OF ENERGY ABSORPTION BY FREE MOVING PLATE AGAINST BULLET IMPACT AT OBLIQUE ANGLE.	01/07/2020	30/06/2022	20,000.00	Active	Prof Dr Risby bin Mohd Sohaimi, Prof Madya Dr Ahmad Humaizi (UniMap), Dr Mohamad Faizal bin Abdullah, Prof Dato Ts Dr Ahmad Mujahid bin Ahmad Zaidi
JOINT RESEARCH IOES JAPAN	MOHD RASHDAN BIN SAAD	DESIGN OPTIMIZATIONS OF WAVE ENERGY CONVERTER DEVICE FOR REMOTE ISLANDS IN MALAYSIA	01/04/2020	31/03/2021	5,218.98	Active	Prof Yasuyuki Ikegami
FRGS	BALAMURUGAN A/L ANNAMALAI GURUNATHAN	STUDY OF CENTRIFUGAL PRESSURE HEAD INFLUENCE IN TURBOCHARGER TURBINE WITH ASYMMETRIC NOZZLE VANE UNDER STEADY FLOW	01/11/2020	31/10/2022	77,200.00	Active	Prof Madya Ir Dr Mohd Rosdzimin bin Abdul Rahman, Dr Uswah binti Khairuddin (UTM), Prof. Dr. Ricardo F Martinez-Botas (Imperial College London)
FRGS	MOHD FAZLI BIN MOHD YUSOFF	INVESTIGATION OF A NEW ELECTROMAGNETIC SUSPENSION SYSTEM FOR AUTOMOTIVE INDUSTRY	01/11/2020	31/10/2022	139,200.00	Active	Associate Prof Ir Dr Saiddi Ali Firdaus bin Mohamed Ishak, Ir Mat Kamil Awang, Dr Muhamad Faiz bin Md Din, Ir Azharudin bin Mukhtarudin
FRGS	DIAN DARINA INDAH BTE DARUIS	CROSS MODAL-SENSORY ON DEGREE OF ATTENTION LEVEL BASED ON BRAIN ACTIVATION ASSOCIATED WITH DRIVING	01/11/2020	31/10/2022	75,494.00	Active	Dr Kamalina binti Khamis (UKM), Prof Madya Dr Nor Azila Noh (USIM), Dr Nurhafizah Moziyana binti Mohd Yusop (UPNM), Puan Yuhanim Hani binti Yahaya (UPNM), Encik Zulhaidi Mohd Jawi (MIROS)
FRGS	MOHD ROSDZIMIN BIN ABDUL RAHMAN	MATHEMATICAL MODELLING TO PREDICT THE GEOMETRIC PARAMETERS OF FLOATING OSCILLATING WATER COLUMN WAVE ENERGY CONVERTER	01/11/2020	31/10/2023	111,300.00	Active	Prof. Dr. Omar bin Yaakob (UTM), Ir. Ts. Dr. Mohd Rashdan bin Saad (UPNM), Lt Noh bin Zainal Abidin (UPNM), Ir Dr. Dr. Norshah Hafeez bin Shuaib (MTC Floating Solutions Sdn. Bhd.)
FRGS	KU ZARINA BINTI KU AHMAD	MECHANISTIC INSIGHT INTO THE INTERFACIAL INTERACTION BETWEEN MODIFIED CONDUCTIVE FILLERS AND POLYURETHANE ELASTOMER INFLUENCING DIELECTRIC PERMITTIVITY AND ELASTIC MODULUS	01/11/2020	31/10/2023	121,800.00	Active	Prof Madya Dr Mohd Taufiq bin Ishak (UPNM), Dr Azizah binti Baharum (UKM), Encik Ridwan bin Yahaya (STRIDE)
FRGS	SYAFAWATI BINTI HASBI	EFFECTS OF NANO-FILLER ON THERMO-PHYSICAL AND CHEMICAL STRUCTURE OF EUTECTIC BIO-BASED PHASE CHANGE MATERIAL	01/11/2020	31/10/2022	75,700.00	Active	Prof Madya Dr Leong Kin Yuen, Dr Ku Zarina binti Ku Ahmad, Dr Norwazan binti Abdul Rahim