

## **PENCAPAIAN SEPANJANG 2021 >>>**

### **RINGKASAN PENCAPAIAN INOVASI SEPANJANG TAHUN 2021**

Bil.	Nama	Tajuk Projek	Pertandingan	Anugerah
1	Ikmal Shafik Azim Mahadzir Aisamuddin Karim Hidayu Hassan Dr Mohd Ikmal Fazlan PM. Dr Kay Dora	STATE-OF-THE-ART DAM MONITORING SYSTEM	PIID2021	PERAK
2	Zuraisah Dollah Syaza Nuwairah Mohd Zelan Aniza Albar Muhamad Faizal Pakir Mohamed Latif Nor Janna Tammy	LIMEMANSI AS A NATURAL COAGULANT FOR WATER PURIFICATION	PIID2021	PERAK
3	Aimanuddin Anas Muhammad Afwan Basri Muhammad Saifuddin Zamzuri Adhilla Ainun Musir Daliah Hasan	DEVELOPMENT OF ILLUMINATION LEVEL TOOLS "LIQMET"	PIID2021	PERAK
4	Nik Farhanim Imran Nuraini Tuttur Noor Syafeekha Mohamad Sakdun Nuroh Huda Dahalan Hafizah Muhamad Azlan	C-SHELL AS CEMENT REPLACEMENT IN CONCRETE	PIID2021	GANGSA
5	Yee Hooi Min Hafizah Muhamad Azlan Leo Choe Peng Noor Syafeekha Mohamad Sakdun Nuraini Tuttur	ENVIRONMENTAL FRIENDLY OF BIOMASS WASTE FROM RECYCLE PRODUCT AS CONCRETE COATING	PIID2021	EMAS
6	Nuha 'Afifah Sharifuddin Nur Aqilah Natasha Mohd Fadzli Affudin Habula	ECO- POLYETHYLENE GUNNY CONCRETE (ECOPGCON)	PIID2021	PERAK

**PENCAPAIAN SEPANJANG 2021 >>>****PEMENANG GERAN PENYELIDIKAN TAHUN 2021**

Bil.	Tajuk Penyelidikan	Nama Ketua	Jenis Geran	Jumlah (RM)
1	Controlled Low Strength Concrete (CLSC) for Precast Lightweight Wall Concrete Production using Recycled Concrete Aggregate (RCA)	PM Dr Noorsuhada Md Nor	Geran Luar	339,700.00
2	Moment-Curvature Model of Reinforced Concrete Beam Strengthened With Shape Memory Alloy (SMA)	Ts Dr Goh Lyn Dee	Fundamental Research Grant Scheme	100,895.00
3	Analytical Formulation of Double Layer Consolidation on Floating Stone Columns Using Nonlinear Theory	Ir Dr Ng Kok Shien	Fundamental Research Grant Scheme	113,200.00
4	Kajian Sekuriti dan Kelestarian Sumber Air di Tadahan Sungai Permatang Rawa, Lembangan Sungai Juru, Seberang Perai Tengah	Dr Hj Anas Ibrahim	Geran Luar Penerima Geran Nasional (NAHRIM)	650,000.00
5	Soil Moisture Content Analysis Using IOT and Drone Platform on Landslide Susceptible Slope	PM Ts. Dr Basharudin Abdul Hadi	Geran Antarabangsa	10,000.00
6	Kinetics and Mechanism of Ammonia and Organic Removal in Polymer Encapsulated Microalgae Based Wastewater Treatment System	Dr Salina Alias	Geran Dalaman UiTM	20,000.00
7	Optimizing the Strength Performance of Stainless Steel Cellular Beam SSCB at Elevated Temperature	Dr Fariz Aswan Ahmad Zakwan	Geran Dalaman UiTM	20,000.00
8	Potential of Rubberized Engineered Cementitious Composite (R-ECC) as Sustainable Material for Beam-Column Joint Seismic Retrofitting	PM Dr Kay Dora Abd Ghani	Geran GIP	21,600.00