

## LAMPIRAN A

### Senarai Geran Penyelidikan Ahli Kumpulan/ Group Member's Research Grants List

Nama Penyelidik	Penyelidikan
<b>Prof. Dr. Che Husna Azhari</b>	<ol style="list-style-type: none"><li>1. UKM-OUP-NBT-26-115/2008 : Nanoteknologi dan Bahan Termaju – (Ketua Projek)</li><li>2. UKM-OUP-NBT-27-116/2009 : Nanoteknologi dan Bahan Termaju – (Ketua Projek)</li><li>3. UKM-OUP-NBT-28-122/2010 : Nanoteknologi dan Bahan Termaju – (Ketua Projek)</li><li>4. UKM-RS-02-FRGS0003-2007 : Impact of Attenuation in Exposed Natural Rubber-Alumina Nanocomposites (ENRAN) Soft Body Armour – (Ketua Projek)</li></ol>
<b>Prof. Dr. Andanastuti Muchtar</b>	<ol style="list-style-type: none"><li>1. The Establishment of UKM International Office at UDE &amp; Network Extension of UKM-UDE Double Degree Programme diperolehi dari University of Duisburg-Essen, Jerman</li><li>2. UKM-AP-NBT-14-2010 : Development of Nanostructured Materials for Dental Applications – (Ketua Projek)</li><li>3. UKM-KK-02-FRGS0005-2006 (FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS): Development and processing of titanium foam for polymer electrolyte membrane (PEM) fuel cell bipolar plate: 2006-2009 – (Ketua Projek)</li><li>4. UKM-KK-02-FRGS0005-2006 (FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS): Development and processing of titanium foam for polymer electrolyte membrane (PEM) fuel cell bipolar plate: 2006-2009 – (Ketua Projek)</li><li>5. UKM-KK-02-FRGS0031-2006 (FUNDAMENTAL RESEARCH GRANT SCHEME (FRGS): Development of</li></ol>

	<p>Alumina Micro-coated Stainless Steel for Surgical Tools: 2007-2009 – (Penyelidik Bersama)</p> <p>6. Sciencefund 03-01-02-SF0453: Development of Graphite/Carbon Based Polymer Composite Plates with High Electrical Conductivity: 2007-2009 – (Penyelidik Bersama)</p> <p>7. Sciencefund 03-01-02-SF0405: Development of Low Temperature Solid Oxide Fuel Cell Electrolytes and Electrodes: 2007-2009 – (Ketua Projek)</p> <p>8. Sciencefund 04-01-02-SF0527: Development of New Ceramic Coating for Marine Structure Application: 2008-2010 – (Ketua Projek)</p> <p>9. University Grant UKM-GUP-TK-08-17-324: Development of Low Temperature SOFC Electrolytes and Electrodes: 2008-2011 – (Ketua Projek)</p>
<p><b>PM. Dr. Mohd Zaidi Omar</b></p>	<p>1. 03-01-02-SF0554 : Development Of A Novel Processing Method For Metal Matrix Composites (MMC), Science_Fund, Ministry of Science, Technology and Innovation – (Ketua Projek)</p> <p>2. Fundamental Research Grant Scheme (FRGS), Ministry of Higher Education [UKM-KK-02-FRGS0011- 2006]: Rawatan haba dan pemetaan mikrostruktur bagi keluli berprestasi tinggi untuk komponen otomotif (Heat Treatments and microstructural mapping of high performance steel for automotive components): 2006-2009 – (Ketua Projek)</p>
<p><b>PM. Dr. Shahrum Abdullah</b></p>	<p>1. UKM-GUP-BTT-07-25-158 : Development of an algorithm for fatigue damage clustering and classification under spectrum loadings – (Ketua Projek)</p>
<p><b>PM. Dr. Mariyam Jameelah Ghazali</b></p>	<p>1. UKM-GUP-BTT-07-25-160 : Development of Low Cost</p>

	<p>Technique For Wear Monitoring of Connecting Rod Bore – (Ketua Projek)</p> <ol style="list-style-type: none"> <li>2. UKM-KK-03- FRGS0120-2010 : Corrosion Resistance Performance of Submerged nanostructured Ceramic Coated Metallic Components Tropical Seawaters – (Ketua Projek)</li> <li>3. 04-01-02-SF0527 : Development Of New Ceramic Coating For Marine Structure Application – (Ketua Projek)</li> <li>4. ScienceFund 03-01-02-SF0375: Structural and Tribological Characterisations of Cu-based Alloys as Coating Materials for Connecting Rod Bearings in Automotive Engine: 2007-2009 – (Ketua Projek)</li> <li>5. UKM-KK-02-FRGS0031-2006: Development of Alumina Micro-Coated Stainless Steel for Surgical Tools: 2007-2009 – (Ketua Projek)</li> </ol>
<p><b>Dr. Zainuddin Sajuri</b></p>	<ol style="list-style-type: none"> <li>1. UKM-GUP-NBT-08-26-089 : Creep Rupture Properties of Welded Turbine Blade Materials – (Ketua Projek)</li> <li>2. Investigation of Mechanical Properties of Guidance Arm - (Perunding KLStarRail Sdn. Bhd.)</li> <li>3. Ujian Dan Analisis Barang Kes Kemalangan Kren Bergerak Di Jeti Langkawi Port Sdn. Bhd. – (Perunding Jabatan Keselamatan dan Kesihatan Pekerjaan Malaysia)</li> <li>4. Ujian dan Analisis Barang Kes Kemalangan Lif Jatuh Di Rumah Flat Kos Rendah di Petaling Jaya – (Perunding Jabatan Keselamatan dan Kesihatan Pekerjaan Malaysia)</li> <li>5. UKM-GUP-NBT-08-26-089 : Creep Rupture Properties of Welded Turbine Blade Materials – (Ketua Projek)</li> </ol>

<p><b>Dr. Syarif Junaidi Syarif Djaliil</b></p>	<ol style="list-style-type: none"> <li>1. UKM-KK-02-FRGS0012-2008 : Wear Behaviour of Structural Materials Strengthened by Cu-Nanoparticles – (Ketua Projek)</li> <li>2. UKM-GUP-BTT-07-25-166 : Improvement of Strength and Workability of Dual-Phase Ti-6%Al-4%V Alloys through Alloy Design Technique and Artificial Neural Network – (Ketua Projek)</li> <li>3. FRGS, UKM-RRR1-02-FRGS0001-2006 : Studies on advanced surface texturing for silicon solar cell, 1/11/2006 – 31/10/2009 – (Penyelidik Bersama)</li> <li>4. FRGS, UKM-KK-02-FRGS0011-2006: Heat treatment and microstructural mapping of high strength steel (SS440C) for automotive components: 1/11/2006 – 31/10//2009 – (Penyelidik Bersama)</li> </ol>
<p><b>Dr. Abu Bakar Sulong</b></p>	<ol style="list-style-type: none"> <li>1. UKM-KK-02-FGRS0124-2009 : Fundamental Research Grant Scheme FRGS, Development of a novel method to produce polymer fiber using electro spinning – (Ketua Projek)</li> </ol>
<p><b>En. Rozli Zulkifli</b></p>	<ol style="list-style-type: none"> <li>1. UKM-GUP-BTT-07-25-163 : Heat Transfer and Fluid Flow Characteristic of Self-Rotating Cylinder For High-Frequency Pulsed Jet Impingement – (Ketua Projek)</li> <li>2. 03-01-02-SF0372 : Development of high performance composite noise barrier panels from local natural fibre materials – (Ketua Projek)</li> <li>3. UKM-GUP-BTT-07-25-024 : Design of CNG-DI Piston for Extreme Temperature and Pressure – (Penyelidik Bersama)</li> <li>4. UKM-GUP-BTT-07-25-157 : Development of a Pressure Differential Adaptive Valve Lift</li> </ol>

	<p>and Timing for a CNGDI Engine – (Penyelidik Bersama)</p> <ol style="list-style-type: none"> <li>5. FRGS, Kod Penyelidikan: UKM-KK-02-FRGS0015-2006: Studies on Jet Impingement Heat Transfer :1/11/2006 – 31/10/2009 -(Ketua Projek)</li> <li>6. 03-01-02-SF0372 : Development of High Performance Composite Noise Barrier Panels from Local Natural Fibre Materials: 1/08/2007 – 1/08/2009 – (Ketua Projek)</li> <li>7. 03-01-02-SF0318 : Development of microexchanger for liquid-based thermal management in highperformance semiconductor package: 1/08/2007 – 1/08/2009 – (Penyelidik Bersama)</li> <li>8. UKM-KK-02-FRGS0006-2007 : The Assessment of Productivity and Postural Loading For Assembly Workers in Malaysia Automotive Industries: 1/09/ 2007 – 31/08/2009 – (Penyelidik Bersama)</li> <li>9. FRGS, Kod Penyelidikan : UKM-RS-02-FRGS0003-2006 : Studies On Heat Transfer And Fluid Flow In Solar Collector With Integrated Storage System: 1/11/2006 – 31/10/2009) – (Penyelidik Bersama)</li> <li>10. FRGS, Kod Penyelidikan : UKM-KK-02-FRGS0011-2006 : Heat Treatment And Microstructural Mapping Of High Strength Steel (SS440C) For Automotive Components: 1/11/2006 – 31/10/2009 – (Penyelidik Bersama)</li> </ol>
--	---