JURNAL KEJURUTERAAN

Special Issue 1(4) 2018	e-ISSN : 2289-7526
Performance Investigation of High-Temperature Proton Exchange Membrane Fuel Cell Mohamad Zaqwan Mohd Igbal, Masli Irwan Rosli* & Dedikarni Panuh	1
High Yield of Butanol Production in Repeated Batch Culture Fermentation by Clostridium acetobutylicum YM1 Khadeja Khalifa Khalifa, Abdualati Ibrahim Al-Tabib, Mohd Sahaid Kalil* & Najeeb Kaid Nasser Al-Shorgani	7
Adsorption of Extracellular Matrix Protein Fibronectin on the Surface of the Nanocomposite Particle of Graphene Oxide–Hydroxyapatite Norsuriani Che Hashim, Norsuzila Sawal, Sahlil Miraz Mohamed Rafie, Darman Nordin* & Daniel Frankel	15
Liquid-liquid Mixing in Y-type Microchannel Nur Tantiyani Ali Othman*, Ahmad Amri Anis	27
Effect of H3PO4 and KOH as the Activating Agents on the Synthesis of Low-Cost Activated Carbon from Duckweeds Plants <i>Yi Hong Tan, Siew Xian Chin, Wei Lun Ang*, Ebrahim Mahmoudi , Azran Mohd Zainoodin,</i> & Abdul Wahab Mohammad	37
Direct Conversion of Glucose to 5-Hydroxymethylfurfural over H3PW12O40/TEOS Heterogeneous Catalyst Afeeq Asyraf, Siti Aishah Anuar, & Wan Nor Roslam Wan Isahak*	45
Physical and Chemical Cleaning for Nanofiltration/Reverse Osmosis (NF/RO) Membranes in Treatment of Tertiary Palm Oil Mill Effluent (POME) for Water Reclamation	51

Teow Yeit Haan*, Mohd Syahmi Hafizi Ghani, Abdul Wahab Mohammad

Synthesis of Mesoporous Silica for Ammonia Adsorption in Aqueous Solution Rabiatul Adawiyyah Arifin, Hassimi Abu Hasan*, Nur Hidayatul Nazirah Kamarudin, Nur 'Izzati Ismail	59
i-Methodology Development for Compositional Analysis of Lignocellulosic Biomass Using Visual Basic Application Nor Shahirah Ishak, Shuhaida Harun*	65
Hydrophobic Nanosilica as Fluid Loss Control Additive for High Performance Water-Based Drilling Fluids Mohd Dzul Khairi Mohd Saparti, Nor Azima Mohd Jali, Rosiah Rohania*, Ying Tao Chung, Wan Rosli Wan Sulaiman	75
Discoloration of Batik Effluent by Chemically Modified Oil Palm Empty Fruit Bunch Fibers Wan Nur Qurratu 'Ainie Wan Manan, Jude Santanaraj,, Mohd Shaiful Sajab*, Wan Nor Roslam Wan Isahak, Chin Hua Chia	87