

ISI KANDUNGAN

PRAKATA

PENGHARGAAN

AHLI JAWATANKUASA PENGANJUR

KUMPULAN I. KEJURUTERAAN SISTEM PROSES SEL FUEL

- Modeling Methanol Water Membrane Reactor For Hydrogen Production 1
T. Husaini, Wan Ramli Wan Daud, A. Wahab Mohammad, Zahira Yaakob

KUMPULAN II BAHAN DAN PEMBUATAN PLAT SEL FUEL

- Fabrication Of Carbon Nanotube/Thermoset Nanocomposites For Bipolar Plate:
A Review 7
Hendra Suhernan, Abu Bakar Sulong And Jaafar Sahari

- Injection Molding Of Electrically Conductive Composite Material 13
Jovial Mahyoedin, Jaafar Sahari, Andarnastuti Mukhtar, Norhamidi Mohammad

- Kesan Ubahbentuk Secara Mampatan Ke Atas Sifat Kekondaksian Elektrik
Komposite Pp – Grafit 18
Mohd Zulkefli Selamat, Jaafar Sahari, Norhamidi Muhamad, Andarnastuti Mukhtar

KUMPULAN III PROSES ELEKTROKIMIA SEL FUEL

- Electrochemical Properties Of Nanocomposite Membrane For Proton Exchange
Membrane Fuel Cell (PEMFC) Application 25
A. Mahreni, A. B. Mohamad, A. A. H. Kadhum, W. R. W. Daud

- Comparison Between Dehydration Behavior Of CsH_2PO_4 Nanocrystals Using
Surfactants CTAB And F-68 31
*Soraya Hosseini, Abu Bakar Mohamad, Abdul Amir Hassan Kadhum,
Wan Ramli Wan Daud*

- Fabrikasi Himpunan Membran Elektrod (MEA) Menggunakan Mesin Kasting 38
Nurhaswani Bahaman, Abu Bakar Mohamad

KUMPULAN IV PEMROSESAN FUEL

- Analisis Hydroxyapatite ($\text{Ca}_5(\text{PO}_4)_3(\text{OH})$) Sebagai Suatu Mangkin Biomaterial 44
Lukman Hakim, Zahira Yaakob, Manal Ismail, Siti Masrinda Tasirin

- Pelapisan Membran Keramik Alumina Dengan Palladium Menggunakan Kaedah
Electroless Plating 48
Ratna Sari, Zahira Yaakob, Manal Ismail

KUMPULAN V HIDROGEN SURIA

- Synthesis And Characterization Of Tetrapropylammonium Tetrathiotungstate
And Its Thermal Studies 51
Fadhli Hadana Rahman, Mohammad Kassim And Wan Ramli Wan Daud