**Daftar Isi**

**Volume 16, No. 1, March 2016**

|  |  |
| --- | --- |
| Auditor………………………………………………………………………………………………………………....... | i |
| Daftar isi……………………………………………………………………………………………………………….... | ii |
| 1. **Anggita R.K. Wardani and Nurul Widiastut,** Synthesis of Zeolite-X Supported On Glasswool for CO2 Capture Material: Variation of Immersion Time and NaOH Concentration at Glasswool Activation…………… | 1-7 |
| 1. **Is Fatimah, Dwiarso Rubiyanto, and Nanda Candra Kartika,** Effect of Calcination Temperature on the Synthesis of ZrO2-Pillared Saponite to Catalytic Activity in Menthol Esterification…………………................................... | 8-13 |
| 1. **Muzakky and Supriyanto C,** Modification of Three Types of Bentonite with Zirconium Oxide Chloride (ZOC) of Local Products Using Intercalation Process………………….......................................................................... | 14-19 |
| 1. **Endang Purwanti Setyaningsih, Maya Machfudzoh, Wahyu Prasetyo Utomo, and Hamzah Fansuri,** Preparation of CaTiO3 Asymmetric Membranes Using Polyetherimide as Binder Polymer………………….................. | 20-24 |
| 1. **Taufik Ashar, Wirsal Hasan, Hamonangan Nainggolan, and Erman Munir,** Correlation of Cadmium Intake from Water and Biomarkers in Resident Living Around Namobintang Dumpsite………………….......................... | 25-31 |
| 1. **Abdul Wafi, Ganden Supriyanto, and Tjitjik Srie Tjahjandarie,** A Novel Spectrophotometric Method for Determination of Chloramphenicol Based On Diazotization Reaction at Room Temperature…………………............... | 32-35 |
| 1. **Idha Yulia Ikhsani, Sri Juari Santosa, and Bambang Rusdiarso,** Comparative Study of Ni-Zn LHS and Mg-Al LDH Adsorbents of Navy Blue and Yellow F3G Dye…………………................................................................ | 36-44 |
| 1. **F. Widhi Mahatmanti, Nuryono, and Narsito,** Adsorption of Ca(II), Mg(II), Zn(II), and Cd(II) on Chitosan Membrane Blended with Rice Hull Ash Silica and Polyethylene Glycol…………………................................................. | 45-52 |
| 1. **Ptoton Mnangat Brian and Peter Musau,** Synthesis, Reactivity and Stability of Aryl Halide Protecting Groups towards Di-Substituted Pyridines…………………............................................................................................. | 53-58 |
| 1. **Masruri, Rekfa Wika Amini, and Mohammad Farid Rahman,** Potassium Permanganate-Catalyzed Alpha-Pinene Oxidation: Formation of Coordination Compound with Zinc(II) and Copper(II), and Growth Inhibition Activity on *Staphylococcus aureus* and *Escherichia coli*…………….. | 59-64 |
| 1. **Dian Susanthy, Purwantiningsih Sugita, and Suminar Setiati Achmadi,** Significance of Glucose Addition on Chitosan-Glycerophosphate Hydrogel Properties…………………............................................................................................ | 65-71 |
| 1. **Nurhani Aryana, Yosi Aristiawan, Dillani Putri, and Dyah Styarini,** Development of Candidate Reference Materials of Endosulfan Sulfate and Bifenthrin in Black Tea…………………...................................................................... | 72-79 |
| 1. **Adita Silvia Fitriana, Harno Dwi Pranowo, and Bambang Purwono,** Chalcone Based Colorimetric Sensor for Anions: Experimental and TD-DFT Study…………………........................................................................................... | 80-86 |
| 1. **Yeni Wahyuni Hartati, Santhy Wyantuti, M. Lutfi Firdaus, Nurul Auliany, Rini Surbakti, and Shabarni Gaffar,** A Rapid and Sensitive Diagnosis of Typhoid Fever Based On Nested PCR-Voltammetric DNA Biosensor Using Flagellin Gene Fragment…………………...................................... | 87-91 |
| 1. **Laksmi Ambarsari, Inda Setyawati, Rini Kurniasih, Popi Asri Kurniatin, and Akhiruddin Maddu,** Immobilization of Glucose Oxidase on Modified-Carbon-Paste-Electrodes for Microfuel Cell…………………............ | 92-97 |
| 1. **Yusuf Muhammad Zein, Anil Kumar Anal, Didik Prasetyoko, and Imroatul Qoniah,** Biodiesel Production from Waste Palm Oil Catalyzed by Hierarchical ZSM-5 Supported Calcium Oxide…………………........................ | 98-104 |
| 1. **Risfidian Mohadi, Lusi Teresia, Najma Annuria Fithri, Aldes Lesbani, and Nurlisa Hidayati,** Oxidative Desulfurization of Dibenzothiophene Using Dawson Type Heteropoly Compounds/Tantalum as Catalyst……………. | 105-110 |
| 1. **Annas Wiguno, Asalil Mustain, Wahyu Fazar Eka Irwansyah, and Gede Wibawa,** Isothermal Vapor-Liquid Equilibrium of Methanol + Glycerol and 1-Propanol + Glycerol…………………................................................ | 111-116 |