**Daftar Isi**

**Volume 15, No. 1, March 2015**

|  |  |
| --- | --- |
| Auditor………………………………………………………………………………………………………………....... | i |
| Daftar isi……………………………………………………………………………………………………………….... | ii |
| 1. **Lilis Sulistiawaty, Sri Sugiarti, and Noviyan Darmawan,** Detection of Hg2+ Metal Ions Using Silver Nanoparticles Stabilized by Gelatin and Tween-20……………………………………………………………………………………………………….....
 | 1-8 |
| 1. **Florentinus Dika Octa Riswanto, RR. Endang Lukitaningsih, and Sudibyo Martono,** Analytical Method Validation and Determination of Pyridoxine, Nicotinamide, and Caffeine in Energy Drinks Using Thin Layer Chromatography-Densitometry……………………………………………………………………….
 | 9-15 |
| 1. **Sari Edi Cahyaningrum, Nuniek Herdyastuti, and Nur Qomariah,** Synthesis and Characterization of Chitosan- Alginate for Controlled Release of Isoniazid Drug…………………………………………………………………………………
 | 16-21 |
| 1. **Ruth Chrisnasari, Zerlina Gabriela Wuisan, Arief Budhyantoro, and Restu Kartiko Widi,** Glucose Oxidase Immobilization on TMAH-Modified Bentonite…………………………………………………………………………………………..
 | 22-28 |
| 1. **Endang Susilowati, Triyono, Sri Juari Santosa, and Indriana Kartini,** Synthesis of Silver-Chitosan Nanocomposites Colloidal by Glucose as Reducing Agent…………………………………………………………………………………………………
 | 29-35 |
| 1. **Posman Manurung, Rudy Situmeang, Ediman Ginting, and Indra Pardede,** Synthesis and Characterization of Titania-Rice Husk Silica Composites as Photocatalyst…………………………………………………………………………….
 | 36-42 |
| 1. **Misriyani, Eko Sri Kunarti, and Masahide Yasuda,** Synthesis of Mn(II)-Loaded Tixsi1-XO4 Composite Acting as a Visible-Light Driven Photocatalyst……………………………………………………………………………………………………..
 | 43-49 |
| 1. **Sherly Kasuma Warda Ningsih,** Effect of Various Solvent on the Synthesis of NiO Nanopowders by Simple Sol-Gel Methods and its Characterization………………………………………………………………………………………………..
 | 50-55 |
| 1. **Tri Esti Purbaningtias, Didik Prasetyoko, Hasliza Bahruji, Yusuf Muhammad Zein, Sugeng Triwahyono, Arief Fadlan, and Imroatul Qoniah,** Condensation of Indole with Isatin Over AlCl3/Mesoporous Aluminosilicate…………………………………………………………………………………………………
 | 56-63 |
| 1. **Aldes Lesbani, Fitriliana, and Risfidian Mohadi,** Conversion of Cyclohexanone to Adipic Acid Catalyzed by Heteropoly Compounds…………
 | 64-69 |
| 1. **Teni Ernawati and Zulfa Khoirunni’mah,** Synthesis Methyl Nitrophenyl Acrylate and Cytotoxic Activity Test Against P388 Leukemia Cells…………..
 | 70-76 |
| 1. **Budi Arifin, Dumas Flis Tang, and Suminar Setiati Achmadi,** Transformation of Eugenol and Safrole Into Hydroxychavicol…………………….
 | 77-85 |
| 1. **Ruslin Hadanu, Salim Idris, and I Wayan Sutapa,** QSAR Analysis of Benzothiazole Derivatives of Antimalarial Compounds Based on AM1 Semi-Empirical Method……………………………………………………………………………………
 | 86-92 |
| 1. **Banjo Semire and Olusegun Ayobami Odunola,** Theoretical Study on Structure and Electronic Properties of 4H-Cyclopenta[2,1-B,3;4-B’]Dithiopene S-Oxide and its CCl2 And CF2 Bridged Derivatives………………
 | 93-100 |