

TABLE OF CONTENTS

ALCHEMY Jurnal Penelitian Kimia Vol. 20 No. 2 September 2024

Research Articles

- Enhancement of Liberica Coffee Quality by Wet Fermentation using *Bacillus subtilis*** 162–177
Indra Lasmana Tarigan, Ericha Aulia, Heriyanti Heriyanti, Madyawati Latief, Sutrisno Sutrisno
-

- Penggunaan Katalis Nikel Fosfida Berpenyangga Zeolit Alam untuk Optimasi Reaksi Esterifikasi Distilat Asam Lemak Sawit menjadi Biodiesel menggunakan *Response Surface Methodology-Box Behnken Design*** 178–189
(The use of Natural Zeolite-Supported Nickel Phosphide Catalyst to Optimize the Esterification Reaction of Palm Fatty Acid Distillate into Biodiesel using Response Surface Methodology-Box Behnken Design)
Isalmi Aziz, Hana Saidah, Adawiah Adawiah, Lisa Adhani
-

- Optimasi Sifat Mekanik Komposit Bioplastik dari Selulosa Ampas Sagu dan Kitosan Cangkang Kepiting** 190–197
(Optimization of Mechanical Properties of Bioplastic Composite from Sago Pulp Cellulose and Crab Shell Chitosan)
Halimahtussaddiyah Ritonga, Mashuni Mashuni, Wa Hardima
-

- Microwave-Assisted Synthesis of Corn Husk-Based Hydrogels Grafted with Acrylamide** 198–205
Ginanjari Penata Aji, Mahira Noor Syevarani Arifandi, Sperisa Distantina, Mujtahid Kaavessina
-

- Sintesis Hidroksiapatit secara Elektrolisis sebagai Bahan Baku Pembuatan *Scaffold Tissue* HA/PVA-AgCl untuk Aplikasi Penyembuhan Luka** 206–217
(Synthesis of Hydroxyapatite by Electrolysis as Raw Material for Making HA/PVA-AgCl Tissue Scaffold for Wound Healing Application)
Supriyono Supriyono, Bambang Poerwadi, Denny Widhiyanuriyawan, Nasirotul Wildah, Mahfita Ardyarum, Nabila Widadudari, Ilhan Junio Trizardi, Ulya Ahda Yustisia
-

- Preparation and Characterization of Carbon/Si Nanocomposites Synthesized by Chemical Vapor Deposition (CVD) Using SiC and SiO₂** 218–225
Retno Duwi Hardini, Teguh Endah Saraswati, Sentot Budi Rahardjo, Alaa Keshtta
-

Performance Improvement Polyvinylidene Fluoride (PVDF) Mordenite Membranes For Oil-in-Water Emulsion Separation	226–237
Brigitta Elga Kusuma Dewi, Pranoto Pranoto, Ozi Adi Saputra, Edi Pramono	
Trace Detection of Pb(II) using The Square Wave Anodic Stripping Voltammetry Method with Stainless Steel Electrodes	238–246
Sendika Harrista, Muhammad Zamhari, Adinda Fara Aulia, Safina Nur Faizah, Tawatchai Kangkamano	
Screen-Printed Carbon Electrode from Coconut Shell Activated Carbon Modified with Ferrocene for Cobalt Detection	247–256
Muhammad Farhan, Eddy Heraldly, Abu Masykur, Muhammad A.Munir, Fitria Rahmawati	
Nessler Method Verification for Determining Ammonia in Shrimp Pond Wastewater and Its Application in the Ammonia Adsorption Test with Lampung Natural Zeolite	257–266
Ni Luh Gede Ratna Juliasih, Lia Madyo Ratri, Andi Setyawan, Mita Rilyanti, Rinawati Rinawati, Agung Abadi Kiswandono, Fitri Kurniawati	
Bioakumulasi Logam Timbal (Pb) Oleh Tumbuhan Mangrove (<i>Sonneratia alba</i>) Di Perairan Desa Passo Kota Ambon	
<i>(Pb(II) Metal Ions Bioaccumulation Study by Mangrove Plants (<i>Sonneratia alba</i>) in Passo Village Waters Ambon City)</i>	267–277
Abraham Mariwy, Sunarti Sunarti, Cynthia T Tawernussa	