

Prof. Dr. Susilawati, S.Si., M.Si.

Dosen Program Studi S3 Fisika
Fakultas Matematika Dan Ilmu Pengetahuan Alam
Universitas Sumatera Utara

✉ susilawati@usu.ac.id

🏢 Fakultas Matematika dan Ilmu Pengetahuan Alam

🌐 fmipa.usu.ac.id/id/dosen/susilawati

Dr. Susilawati, S.Si., M.Si. dilahirkan di Sialang pada tanggal 07 Desember 1974 dan merupakan seorang dosen Fisika di Universitas Sumatera Utara. Beliau menyelesaikan pendidikan terakhirnya, yakni S3 Fisiko Kimia, di USU pada tahun 2010.

Publications

2025

Jurnal nasional terakreditasi

Synthesis and Characterization of Natural Pahae Zeolite-Durian Peel Activated Carbon as an Adsorbent for Phosphate Reduction in Laundry Wastewater

SITI FADHILAH , FRISKA ANGGRAINI , Siti Fadilah , SUSILAWATI

2024

Jurnal internasional bereputasi

Advancements in zeolite and zeolite-based sorbents: Modification strategies in mitigating nitrogen-containing pollutants from water and wastewater

SUSILAWATI , Sumiyyah Sabar

2024

Jurnal internasional bereputasi

Physical and Mechanical Properties of Palm Frond-based Fiberboard Composite

MORAIDA HASANAH , TENGKU JUKDIN SAKTISAHDAN , SUSILAWATI

2024

Buku lainnya

KARAKTERISTIK KUAT TEKAN BETON DENGAN PENAMBAHAN LIMBAH KULIT DURIAN DAN ABU FLY ASH SAWIT

FYNNISA. Z , SUSILAWATI , MORAIDA HASANAH , PUTRI HANDAYANI

2024

Prosiding seminar internasional

Preparation and Characterization of Cocoa Shell - Pahae Natural Zeolite as a Metal Adsorption Material for Iron (Fe) and Manganese (Mn) in Water

SUSILAWATI

2024

Jurnal nasional terakreditasi

Effect of Annealing Temperature on Mechanical Properties of AISI 1045 Carbon Steel

INTAN ZAHAR , MORAIDA HASANAH , RAHMADSYAH , SUSILAWATI

2023

Prosiding seminar nasional

PEMANFAATAN SERAT PELEPAH SAWIT DAN RESIN POLIESTER SEBAGAI BAHAN PEMBUATAN PAPAN SERAT

MORAIDA HASANAH , TENGKU JUKDIN SAKTISAHDAN , SUSILAWATI

2023
Jurnal nasional terakreditasi

The Synthesis and Characterization of Pahae Natural Zeolite-Coal Bottom Ash Adsorbent for Fe and Mn Purifier in Well Water

NURUL SYAFINA LUBIS , SUSILAWATI

2023
Jurnal nasional terakreditasi

Manufacture and Characterization of Adsorbers Utilizing PahaeNatural Zeolite-Chicken Eggshell for Purifying Used Cooking Oil

SUSILAWATI , BELLA ALFIRA

2022
Prosiding seminar internasional

Analysis of the Effect of Grain Size on the Characteristics of Zeolite as Adsorbents

NASRUDDIN MN , SUSILAWATI , YUAN ALFINSYAH SIHOMBING

2022
Jurnal internasional bereputasi

Performance optimization of CuO-ZnO ceramic electrode on the electrocoagulation of wastewater

SUSILAWATI

2021
Buku referensi

Inovasi Material Komposit untuk Pengolahan Air Limbah menggunakan Metode Elektrokoagulasi

SUSILAWATI

2021
Monograf

INOVASI MATERIAL KOMPOSIT UNTUK PENGELOLAAN AIR LIMBAH MENGGUNAKAN METODE ELEKTROKOAGULASI

FYNNISA. Z , MORAIDA HASANAH , INTAN ZAHAR , SUSILAWATI

2021
Buku referensi

Penerapan Metode Elektrokoagulasi Dalam Peningkatan Kualitas Air Gambut

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2021
Monograf

ELEKTRODA TEMBAGA PADA PROSES ELEKTROKOAGULASI DALAM PENJERNIHAN AIR SUNGAI

FYNNISA. Z , MORAIDA HASANAH , SUSILAWATI

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Buku referensi

ELEKTRODA TEMBAGA PADA PROSES ELEKTROKOAGULASI DALAM PENJERNIHAN AIR SUNGAI

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2021
Jurnal internasional bereputasi

PREPARATION OF PAHAE NATURAL ZEOLITE NANOPARTICLES USING HIGH ENERGY MILLING AND ITS POTENTIAL FOR BIOETHANOL PURIFICATION

SUSILAWATI , YUAN ALFINSYAH SIHOMBING , NASRUDDIN MN

2021
Jurnal internasional bereputasi

Preparation of pahae natural zeolite nanoparticles using high energy milling and its potential for bioethanol purification

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2021

Jurnal internasional bereputasi

Synthesis and characterization of polymer concrete with pumice aggregate and singkut leaf fiber as filler

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2021

Jurnal internasional bereputasi

Synthesis and characterization of natural zeolite-clay as resistive humidity detection

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2020

Prosiding seminar internasional

Morphology of Composite Membranes based on Chitosan-Pahae Natural Zeolite

YUAN ALFINSYAH SIHOMBING , SUSILAWATI

2020

Jurnal internasional bereputasi

The improvement of mechanical properties of hydrogen filter based on natural zeolite from pahae and clay addition

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2020

Jurnal internasional bereputasi

The effect of molybdenum disulfide nanoparticles and sodium dodecyl sulfate addition towards wear protection properties from the sae 10W-30 standard lubricants

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2020

Prosiding seminar internasional

Fabrication and characterization of physical and mechanical properties based on clay and cacao rind porous ceramics

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2020

Prosiding seminar internasional

The utilization of cocoa rind waste and clay as filter materials in purifying well water

SUSILAWATI , YUAN ALFINSYAH SIHOMBING

2020

Prosiding seminar internasional

Effect of dopant on superconductor $\text{Bi}_{1.6}\text{Pb}_{0.4}\text{Sr}_2\text{Ca}_{2-x}\text{MxCu}_3\text{O}_y$ (M = Ce, Na, Mg) phase 2223 by solid method

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2020

Prosiding seminar internasional

Fabrication and characterization of physical and mechanical properties based on clay and cacao rind porous ceramics

YUAN ALFINSYAH SIHOMBING , SUSILAWATI

2020

Prosiding seminar internasional

The effect of Mg, Na, and Ce addition on the superconducting properties of $\text{Bi}_{1.6}\text{Pb}_{0.4}\text{Sr}_2\text{Ca}_{2-x}\text{MxCu}_3\text{O}_y$ prepared sol-gel method

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2020

Prosiding seminar internasional

The utilization of cocoa rind waste and clay as filter materials in purifying well water

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2020
Prosiding seminar internasional

The utilization of cocoa rind waste and clay as filter materials in purifying well water

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2020
Prosiding seminar internasional

Fabrication and characterization of physical and mechanical properties based on clay and cacao rind porous ceramics

SUSILAWATI , YUAN ALFINSYAH SIHOMBING

2019
Jurnal internasional bereputasi

The effect of tungsten disulfide additives and sodium dodecyl sulfate on base oils combinations comp

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2018
Prosiding seminar internasional

Ethanol Purification Using Active Natural Pahae Zeolite By Adsorption Distillation Method

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2018
Prosiding seminar internasional

Fabrication of Ceramic Composites Based on CuO-ZnO

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Researches

2023

Pemanfaatan Rice Husk Ash sebagai Pengganti SiO₂ pada Fabrikasi Komposit Fe₃O₄ /SiO₂ sebagai Sanitasi Lingkungan

SUSILAWATI , JEDDAH YANTI

2019
Penelitian Dana Lokal Perguruan Tinggi

OPTIMALISASI MEMBRAN KOMPOSIT KITOSAN-ZEOLIT DENGAN PENAMBAHAN REDUCED GRAFENA OKSIDA (RGO) UNTUK APLIKASI FUEL CELLS

SUSILAWATI , YUAN ALFINSYAH SIHOMBING

2019
Penelitian Dana Lokal Perguruan Tinggi

Pembuatan Nanozeolite Dari Zeolit Alam Pahae Menggunakan High Energy Milling Untuk Pemurnian Bioetanol

SUSILAWATI , YUAN ALFINSYAH SIHOMBING , NASRUDDIN MN

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SUSILAWATI , YUAN ALFINSYAH SIHOMBING , NASRUDDIN MN

2012
Penelitian Fundamental

Efektivitas Elektroda Tembaga (Cu) Pada Proses Elektrokoagulasi Dalam Penjernihan Air Sungai

SUSILAWATI , HAMONANGAN NAINGGOLAN , NASRUDDIN MN

Intellectual Property Rights

2025

Paten nasional

PROSES PEMBUATAN ADSORBEN SALINITAS AIR LAUT YANG TERDIRI DARI ZEOLIT ALAM PAHAE DAN KULIT PISANG KEPOK (Musa paradisiaca Linn.)

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2024

Paten nasional

Proses Pembuatan Filter Amonium Berbasis Zeolit Alam Pahae dengan Metode Hidrotermal

SUSILAWATI

2024

Hak cipta nasional

Karakteristik Kuat Tekan Beton Dengan Penambahan Limbah Kulit Durian Dan Abu Fly Ash Sawit

MORAIDA HASANAH , FYNNISA. Z , SUSILAWATI

2022

Hak cipta nasional

Penerapan Metode Elektrokoagulasi Dalam Peningkatan Kualitas Air Gambut

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2022

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Inovasi Material Komposit untuk Pengolahan Air Limbah menggunakan Metode Elektrokoagulasi

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2022

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Pemodelan Mekanisme Erupsi Gempa Vulkanik

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Pemodelan Mekanisme Erupsi Gempa Vulkanik

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Elektroda Tembaga Pada Proses Elektrokoagulasi Dalam Penjernihan Air Sungai

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