Suci Aisyah Amaturrahim, S.Si., M.Si

Dosen Program Studi S1 Kimia
Fakultas Matematika Dan Ilmu Pengetahuan Alam
Universitas Sumatera Utara

suciaisyahamaturrahim@usu.ac.id

Fakultas Matematika dan Ilmu Pengetahuan Alam

fmipa.usu.ac.id/id/dosen/suci-aisyah-amaturrahim

Suci Aisyah Amaturrahim, S.Si., M.Si dilahirkan di Lhokseumawe pada tanggal 03 Maret 1993. Beliau merupakan seorang dosen Kimia di Universitas Sumatera Utara. Beliau menyelesaikan pendidikan terakhirnya yakni S2 Kimia di Universitas Sumatera Utara pada tahun 2018.

Publications

2024
Jurnal internasional bereputasi

Impact of glycerol on oil palm trunk starch bioplastics enhanced with citric-acid epoxidized palm oil oligomers

MARPONGAHTUN , SUCI AISYAH AMATURRAHIM , AVERROES FAZLUR RAHMAN PILIANG , SAHARMAN GEA , HABIB HERNANDO , A. MUHAMMAD AFDHAL SAPUTRA , Elisa Julianti , Ronn Goei , Asst. Prof. Dr. Nattakan Soykeabkaew

2024
Jurnal internasional bereputasi

Biomass-derived N-doped Carbon Dots/TiO2 for Visible-Light-Induced Degradation of Methyl Orange in Wastewater

BOY ATTAURRAZAQ , Salmiati , Amru Daulay , ANDRIAYANI , SAHARMAN GEA , SUCI AISYAH AMATURRAHIM , MARPONGAHTUN

2023
Prosiding seminar internasional

The effect of ethylenediamine as passivation agent on the optical properties of carbon dots from molasses using the microwave method

MARPONGAHTUN , SUCI AISYAH AMATURRAHIM

2023
Prosiding seminar internasional

The characterization of agitated bacterial cellulose-based paper synthesized at various rotational speeds

DARWIN YUNUS NASUTION , SUCI AISYAH AMATURRAHIM , MARPONGAHTUN , SAHARMAN GEA

2023
Jurnal internasional bereputasi

Synthesis of magnetic activated carbon-supported cobalt(II) chloride derived from pecan shell (Aleurites moluccana) with co-precipitation method as the electrode in supercapacitors

SUCI AISYAH AMATURRAHIM , MUHAMMADIN HAMID , SUSILAWATI

2023
Jurnal internasional bereputasi

Synthesis of Nitrogen-Doped Carbon Dots from Nanocrystalline Cellulose by Pyrolysis Method as Hg2+ Detector

SUCI AISYAH AMATURRAHIM , YUGIA MUIS , SAHARMAN GEA , MARPONGAHTUN , ANDRIAYANI

2023
Jurnal internasional bereputasi

Synthesis of Nitrogen-Doped Carbon Dots from Nanocrystalline Cellulose by

Pyrolysis Method as Hg²⁺ Detector

MARPONGAHTUN , SAHARMAN GEA , ANDRIAYANI , SUCI AISYAH AMATURRAHIM

2022
Prosiding seminar internasional

Utilization of Coconut Waste as a Basic Material for Making Carbon Dots with Acid Oxidation Method

SUCI AISYAH AMATURRAHIM , MARPONGAHTUN

2021
Jurnal internasional bereputasi

GREEN PLASTICS BASED ON THERMOPLASTIC STARCH AND STEAM-EXPLODED NANOFIBER CELLULOSE

SITI UTARI RAHAYU , SAHARMAN GEA , SUCI AISYAH AMATURRAHIM , EMMA ZAIDAR , SOVIA LENNY

2018
Prosiding seminar internasional

Enhancing the quality of nata de coco starter by channeling the oxygen into the bioreactor through agitation method

SUCI AISYAH AMATURRAHIM , SAHARMAN GEA , SITI UTARI RAHAYU , ELISA JULIANTI

2018
Jurnal internasional bereputasi

Preparation of graphene oxide/bacterial cellulose nanocomposite via in situ process in agitated culture

SUCI AISYAH AMATURRAHIM , SAHARMAN GEA , DARWIN YUNUS NASUTION

Researches

2025

Enhancing Synergistic Degradation of Methyl Orange by Construction of S-Scheme Heterojunction betweem Fe3O4/N-CDs and Enhanced with P-CN via Photo-Fenton Oxidation: A Green Solution for Removal of Organic Pollutants

MINTO SUPENO , SUCI AISYAH AMATURRAHIM , AMIR HAMZAH SIREGAR , MARPONGAHTUN , KHANZA HUSNA BILBINA , NURUL HUSNA TRI FADHILA , Dr Shamila Binti Azman

2025
Penelitian Fundamental

Impregnasi abu janjangan kelapa sawit dalam material berpori sebagai katalis dalam pembuatan biodiesel menggunakan homogenizer

SUCI AISYAH AMATURRAHIM , JULIATI BR TARIGAN , HELMINA BR SEMBIRING

2025
Penelitian Unggulan Perguruan Tinggi

prototipe modifikasi karet alam dan limbah plistiren foam dengan aspal untuk penambalan jalan berlubang sesuai SNI

SUCI AISYAH AMATURRAHIM , DARWIN YUNUS NASUTION , TAMRIN

2024
Kerjasama Luar Negeri dan Publikasi Internasional

Photocatalytic Water Splitting Using Reduce Graphene Oxide/Cobalt doped Titanium Dioxide (rGO/Co-TiO2) Nanocomposites

MUHAMMADIN HAMID , SUSILAWATI , INDAH REVITA SARAGI , SUCI AISYAH AMATURRAHIM

2024
Penelitian Dana Lokal Perguruan Tinggi

Revolutionizing Oil Palm Health: Advanced Electrochemical Detection of Ganoderma Boninense via Nanoparticle-CMC and ZnO/rGO Enhanced Disposable Screen-Printed Carbon Electrodes

SUCI AISYAH AMATURRAHIM , SAHARMAN GEA , MARPONGAHTUN

2022

Sintesis Karbon Nanopartikel Dengan Metode Co-Presipitasi Untuk Bahan

Baku Pembuatan Elektroda Sel Surya

MUHAMMADIN HAMID , SUSILAWATI , SUCI AISYAH AMATURRAHIM

Community Services

2022
Ipteks Bagi Masyarakat

Pemanfaatan Hidrogel Alami Sebagai Alternatif Media Tanaman Hias di Madrasah Aliyah Swasta Muhammadiyah Sidomulyo Kabupaten Langkat

INDAH REVITA SARAGI , SUCI AISYAH AMATURRAHIM

Intellectual Property Rights

2025
Paten nasional

Alat Ledak Uap Biomassa Otomatis untuk Isolasi Polimer Alam dari Bahan Alam

SAHARMAN GEA , AVERROES FAZLUR RAHMAN PILIANG , SUCI AISYAH AMATURRAHIM , BOY ATTAURRAZAQ , MUHAMMAD IBADURRAHMAN , A. MUHAMMAD AFDHAL SAPUTRA , SRI RAHAYU