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Suharman, M.Sc was born in Silau Rakyat on June 10, 1988. He is a Chemistry lecturer at Universitas Sumatera Utara. He completed his last education at the Master's Program in Chemistry at Gadjah Mada University in 2015.

Publications

2025
Prosiding seminar internasional

Synthesis of Mesoporous Silica Impregnation With CaO Uses Methyl Ester Ricinoleate as a Template and Its Application for Ricinoleic Acid Transesterification Catalyst

ANDRIAYANI , MARPONGAHTUN , SUHARMAN , IBRENA CHRISTY PURBA , AMRU DAULAY

2025
Jurnal internasional bereputasi

Induced blue, green, and red-colour circularly polarized luminescence from single dye-doped homochiral poly(lactic acid) microspheres

SUHARMAN , Sota Nakayama , Soh Kushida , Sundas Rani , Wijak Yospanya , Piyanan Pranee , Reiko Oda , Hiroshi Yamagishi , Yohei Yamamoto

2024
Jurnal internasional bereputasi

Hyaluronic acid microresonators for memorable humidity sensing

Wey Yih Heah , Yohei Yamamoto , Hiroshi Yamagishi , SUHARMAN

2024
Jurnal internasional bereputasi

Hyaluronic acid microresonators for memorable humidity sensing

Hiroshi Yamagishi , Yohei Yamamoto , Wey Yih Heah , SUHARMAN

2023
Jurnal internasional bereputasi

Poly(lactic acid) stereocomplex microspheres as thermally tolerant optical resonators

Wey Yih Heah , Hiroshi Yamagishi , Yohei Yamamoto , SUHARMAN

2023
Jurnal internasional bereputasi

Synthesis of mesoporous silica with ricinoleic methyl ester (Ricinus communis) as a template for adsorption copper (II) with optimizing Box-Behnken design

ANDRIAYANI , SUHARMAN , MARPONGAHTUN

2023
Prosiding seminar internasional

Application Mesoporous Silica with Methyl Ester Ricinoleate Castor Oil (Ricinus communis) as Template in Absorbent of Cd Ions

ANDRIAYANI , SUHARMAN , MARPONGAHTUN

2023
Prosiding seminar internasional

Physical properties of modified DÃ©sirÃ©e potato starch- chitosan edible films

SUHARMAN , RINI HARDIYANTI , MUHAMMAD ZULHAM EFENDI SINAGA

2023
Prosiding seminar internasional

Carbon nanofibers biosensor from kecombrang rod (Etlinger elatio) for prostate cancer biomarker sensing

SUHARMAN

2023
Jurnal internasional bereputasi

Synthesis of mesoporous silica with ricinoleic methyl ester (Ricinus communis) as a template for adsorption copper (II) with optimizing Box-Behnken design

SUHARMAN , MARPONGAHTUN , ANDRIAYANI

2022
Prosiding seminar internasional

A New Colorimetric Sensor Responding CN- Anion based on Hydrazone Compound in Acetonitrile Solution

SITI UTARI RAHAYU , SUHARMAN

2022
Jurnal nasional terakreditasi

Processing of Palm Midrib Waste into Animal Feed with a Fermentation Process that is integrated with a chopper in Siapang Village, Deli Serdang Regency

SITI UTARI RAHAYU , MARPONGAHTUN , SUSILAWATI , SUHARMAN

2022
Jurnal nasional terakreditasi

Fruit Fly Pest Control with Ultrasonic Waves and Modified Steiner Trap in Orange Orchard in Narigunung 1 Village, Karo Regency

HERTY AFRINA SIANTURI , SITI UTARI RAHAYU , SUHARMAN , SUSILAWATI

2021
Prosiding seminar internasional

A new of colorimetric sensor based on azo-hydrazone compound for recognition of CN- ion

RINI HARDIYANTI , SUSILAWATI , SUHARMAN , SITI UTARI RAHAYU

2021
Prosiding seminar internasional

Comparative studies on physicochemical properties of B-type and C-type starches from potato starch

MUHAMMAD ZULHAM EFENDI SINAGA , SUHARMAN , RINI HARDIYANTI

2021
Prosiding seminar internasional

Physicochemical characteristics of modified starch granules from Durio zibethinus Murr. var. Bintana

RINI HARDIYANTI , SUHARMAN , MUHAMMAD ZULHAM EFENDI SINAGA

2021
Jurnal internasional bereputasi

COLORIMETRIC AMINE DETECTION BY VANILLIN-HYDRAZONE DERIVATIVES DURING CHICKEN MEAT SPOILAGE

SUHARMAN

2020
Jurnal nasional terakreditasi

Senyawa Hidrazone dari Vanilin-DNPH Sebagai Sensor Kolorimetri Anion

Sianida

SITI UTARI RAHAYU , SUHARMAN

Researches

2025

Material optik circularly polarized luminescence (CPL) melalui sistem perakitan supramolekul yang disintesis dari poli asam laktat dan 9,10-bis(phenylethynyl)anthracene (BPEA)

SUHARMAN , MUHAMMAD ZULHAM EFENDI SINAGA , SOVIA LENNY , Reka Mustika Sari

2021

Penelitian Unggulan Perguruan Tinggi

Optimasi Grafting dan Impregnasi Material Mesopori silika yang dibuat Menggunakan Template Ester Minyak Jarak (Ricinus Communis) sebagai Adsorben dan Katalis

SUHARMAN , ANDRIAYANI , MARPONGAHTUN

2020

Penelitian Dosen Pemula

Sintesis Senyawa Turunan Azo-Imin Dari Vanilin Sebagai Sensor Kolorimetri Anion

SUSILAWATI , SUHARMAN , SITI UTARI RAHAYU

2020

Sintesis Senyawa Turunan Azo-Imin Dari Vanilin Sebagai Sensor Kolorimetri Anion

SUSILAWATI , SUHARMAN , SITI UTARI RAHAYU

2019

Penelitian Dosen Pemula

Sintesis Senyawa Turunan Azo-Hidrazon Berbasis Vanili Sebagai Kemosensor Kolorimetri Anion

SUHARMAN , SITI UTARI RAHAYU

2019

Penelitian Dosen Pemula

Analisis Kadar Arsen (As) pada Sayur Kubis di Kawasan Gunung Sinabung Pasca Erupsi Menggunakan Metode Spektrofotometri Serapan Atom

SUHARMAN , BOBY CAHYADY

Community Services

2021

PEMBUATAN PUPUK CAIR ORGANIK BERBASIS LIMBAH RUMAH TANGGA DI DESA UJUNG SAMPUN KABUPATEN KARO

SUHARMAN , ANDRIAYANI , MUHAMMAD ZULHAM EFENDI SINAGA , SOVIA LENNY

2020

Ipteks Bagi Masyarakat

Pemanfaatan Limbah Pelepah Sawit Menjadi Pakan Ternak Dalam Rangka Mengembangkan Usaha Ekonomi Produktif Bidang Peternakan Di Desa Sialang Kecamatan Bangun Purba Kabupaten Deli Serdang

SUSILAWATI , SUHARMAN , MARPONGAHTUN , SITI UTARI RAHAYU

2019

KKN Pembelajaran Pemberdayaan Masyarakat

PEMBUATAN SABUN CAIR CUCI PIRING DAN DETERGEN CAIR DI KELURAHAN SEI MERBAU, KECAMATAN TELUK NIBUNG, KOTA

TANJUNGBALAI

SUHARMAN , YUAN ALFINSYAH SIHOMBING , MUHAMMAD ZULHAM EFENDI SINAGA

2019

Ipteks Bagi Masyarakat

Sistem Pengendalian Hama Lalat Buah dengan Gelombang Ultrasonik dan Perangkap Kuning Lem Leila pada Perkebunan Jeruk di desa Narigunung 1 Kabupaten Karo

SUSILAWATI , SUHARMAN , HERTY AFRINA SIANTURI , SITI UTARI RAHAYU

2019

KKN Pembelajaran Pemberdayaan Masyarakat

Pembuatan Sabun Cair Cuci Piring dan Detergen Cair di Kelurahan Sei Merbau, Kecamatan Teluk Nibung, Kota Tanjungbalai

SUHARMAN , YUAN ALFINSYAH SIHOMBING , MUHAMMAD ZULHAM EFENDI SINAGA

Intellectual Property Rights

2023

Paten nasional

Proses produksi Adsorben Mesopori Silika dari Mintak Jarak (Ricinus communis) untuk menyerap ion logam Cu2+, Cd2+, dan Zn2+

MARPONGAHTUN , SUHARMAN , ANDRIAYANI

2020

Hak cipta nasional

Senyawa Turunan Hidrazon Berbasis Vanilin Yang Memiliki Sensitivitas Terhadap Anion Sianida

SUHARMAN