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Prof. Dr. Zuhrina Masyithah, S.T., MSc, born in Pematang Siantar on 5 September 1971, is a lecturer in Chemical Engineering at the Universitas Sumatera Utara. In 2006, she completed her Ph.D. studies at the Universitas Sumatera Utara's Faculty of Mathematics and Natural Sciences, Chemical Science Doctoral Study Program.

Publications

2022

Jurnal nasional terakreditasi

Implementation of Amino Acid as a Natural Feedstock in Production of N-Acylamides as a Biocompatible Surfactants: A Review on Synthesis, Behavior, Application and Scale-up Process

ZUHRINA MASYITHAH

2017

Jurnal internasional bereputasi

Synthesis of Azelaic Acid from Oleic Acid With Green Oxidant H₂O₂ / H₂WO₄

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2025

Jurnal internasional bereputasi

THE EFFECT OF TEMPERATURE AND STIRRING SPEED ON THE PHYSICO-CHEMICAL PROPERTIES OF OIL SPILL DISPERSANT FROM SOYBEAN OIL

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2020

Jurnal internasional bereputasi

Synthesis of Amide-based surfactants from Fatty acid Methyl ester: Effect of solvent ratio and stirring speed

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2019

Jurnal internasional bereputasi

Simultaneously trans-esterification and amidification of coconut oil into Cocamide-Dea using heterogeneous catalyst

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2025

Jurnal internasional bereputasi

UTILIZATION OF WATER HENNA LEAF EXTRACT (*Impatiens Balsamina* L.) BASED ON COCAMID DEA SURFACTANT IN MAKING BIODETERGENT

ZUHRINA MASYITHAH

2017

Jurnal internasional bereputasi

Optimization of Enzymatic Synthesis of Oleoyl-Diethanolamide in Solvent-Free System

ZUHRINA MASYITHAH

2021
Jurnal internasional bereputasi

THE CONVERSION ENHANCEMENT OF LAURIC ACID TO N-ACYL LYSINE CATALYZED BY CALCIUM OXIDE USING BOX BEHNKEN DESIGN

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2026
Jurnal internasional bereputasi

MANUFACTURING ENZYME DETERGENT FROM LIPASE AND METHYL ESTER SULFONATE (MES) WITH THE ADDITION OF SAPONIN EXTRACT FROM MORINGA LEAVES (*Moringa oleifera*)

ZUHRINA MASYITHAH

2026
Jurnal internasional bereputasi

Amino acid-based surfactant for enhanced scandium (Sc) recovery from red mud: Kinetics and interfacial thermodynamics

ZUHRINA MASYITHAH

2023
Jurnal nasional terakreditasi

Optimizing Rejected Oranges into Multipurpose Products in Seribu Jandi Village

JUNITA SETIANA GINTING , RUDY SOFYAN , NURZAINAH GINTING , ZUHRINA MASYITHAH

2023
Jurnal internasional bereputasi

SYNTHESIS AND CHARACTERIZATION OF N-ACYL ALKANOLAMIDE SURFACTANT FROM FATTY ACIDS AND ALCOHOL AMINES USING SODIUM METHOXIDE CATALYST

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2025
Jurnal internasional bereputasi

MANUFACTURING DETERGENT USING COCAMIDE-DEA SURFACTANT AND SAPONIN FROM BINAHONG (*ANREDERA CORDIFOLIA* (TEN) STEENIS) LEAF EXTRACT

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2024
Jurnal internasional bereputasi

THE EFFECTIVENESS OF ADDING ANTIOXIDANT COMPOUNDS FROM PEDADA LEAVES EXTRACT (*Sonneratia caseolaris*) IN ANTISEPTIC SOAP PRODUCTION

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2018
Jurnal internasional bereputasi

Synthesis of Palmitoyl-Ethanolamide From Palmitic Acid And Monoethanolamine: Analysis of Variance and Surfactant Characteristics

ZUHRINA MASYITHAH

2019
Jurnal internasional bereputasi

A two-step catalytic production of Coco Fatty Acid Amide from coconut oil using a metal catalyst

ZUHRINA MASYITHAH

2022
Jurnal internasional bereputasi

VARIABLES OPTIMIZATION IN SYNTHESIS OF SURFACTANT FROM HEXADECANOIC ACID AND ARGININE USING CCD AND ANOVA METHOD

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2022
Jurnal internasional bereputasi

OPTIMIZATION OF OCTADECANOIC ACID CONVERSION TO STEAROYL LYSINE SURFACTANT APPLYING BOX BEHNKEN DESIGN

ZUHRINA MASYITHAH

2026

Jurnal internasional bereputasi

Bridging bioenergy and circularity: Drivers, barriers, and pathways of biomass valorization in Indonesia

ZUHRINA MASYITHAH

2026

Prosiding seminar internasional

Qualitative Analysis and Functional Groups Identification of Flavonoid From Butterfly Blue Pea (*Clitoria ternatea*) Flower Extract

RONDANG TAMBUN , ZUHRINA MASYITHAH , ULFATUNNISA , VIKRAM ALEXANDER

2024

Jurnal internasional bereputasi

FORMULATION OF LIQUID BIODETERGEN FROM COMBINATION OF STARFRUIT (*Averrhoa bilimbi*) AND LAURIL-DEA SURFACTANT WITH THE ADDITION OF PROTEASE

ZUHRINA MASYITHAH

2020

Jurnal internasional bereputasi

Modeling and optimization of alkyl polyglucoside surfactants from fatty alcohol by response surface methodology

ZUHRINA MASYITHAH

2020

Jurnal internasional bereputasi

Synthesis of fatty ethanalamides from lauric and palmitic acid: Optimization using response surface methodology

ZUHRINA MASYITHAH

2024

Jurnal internasional bereputasi

ANALYSIS OF pH, FOAM STABILITY, AND ANTIOXIDANT ACTIVITY IN SOAP FORMULATION FROM EXTRACT OF PEDADA LEAVES (*Sonneratia caseolaris*) AND PANDAN LEAVES (*Pandanus amaryllifolius*)

ZUHRINA MASYITHAH

2019

Jurnal internasional bereputasi

Increased the synthesis of alkanolamide through recovery enzymes and the use of metal catalysts

ZUHRINA MASYITHAH

2024

Jurnal internasional bereputasi

SYNTHESIS OF ANTIOXIDANT LIQUID SOAP FROM PANDAN LEAF EXTRACT (*Pandanus amaryllifolius* Roxb.) AND COCAMIDE-DEA

ZUHRINA MASYITHAH

Community Services

2020

Penelitian Dana Lokal Perguruan Tinggi

Pencegahan komprehensif Covid 19 di kelompok peternak susu Kecamatan Namorambe, Kabupaten Deli Serdang

NURZAINAH GINTING , ZUHRINA MASYITHAH

2022

Optimalisasi Buah Jeruk Afkir Menjadi Produk Multiguna di Desa Seribu Jandi

RUDY SOFYAN , NURZAINAH GINTING , JUNITA SETIANA GINTING , ZUHRINA MASYITHAH , SAMUEL EGINTA GINTING , ANDREAS , WENDY SANJAYA LINGGA , AGIT SEPRINA TARIGAN , ZEFPLIN TARIGAN , RIO MAROJAHAN NAIBAHU , CORY PATRICIA SIAHAAN , DESNA ULI MATANARI

Intellectual Property Rights

2024

Hak cipta nasional

Optimalisasi Buah Jeruk Afkir Menjadi Produk Multiguna Di Desa Seribu Jandi

NURZAINAH GINTING , ZUHRINA MASYITHAH , RUDY SOFYAN , JUNITA SETIANA GINTING
