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Prof. Ir. Maya Sarah, S.T., M.T., Ph.D dilahirkan di Surabaya pada tanggal 01 Mei 1970 merupakan seorang dosen Teknik Kimia di Universitas Sumatera Utara. Beliau menyelesaikan pendidikan terakhirnya yakni S3 UTM Kejuruteraan Kimia 2015.

Pendidikan:

S1 - Teknik Kimia Universitas Sumatera Utara 1995

S2 - Teknik Kimia Institut Teknologi Bandung 2000

S3 - Kejuruteraan Kimia Universiti Teknologi Malaysia 2015

Publications

2026

Jurnal nasional

Proses Penghilangan Tinta pada Kertas Bekas

MAYA SARAH

2026

Prosiding seminar internasional

Microwave Sterilization of Oil Palm Fruits: Temperature Profile During Enzymatic Destruction Process

MAYA SARAH

2024

Jurnal nasional

Development of Biogas Plant and Mushrooms Grumpy in a Biomass Waste Utilization Facility at Tadukan Raga Village, STM Hilir District, Deli Serdang Regency

MAYA SARAH

2025

Jurnal internasional bereputasi

Process optimization of microwave-assisted hydrodistillation for Andaliman (*Zanthoxylum acanthopodium* DC.) extraction: Investigating solvent volume, power, and time effects on yield

MUHAMMAD ALKAUSAR , SITI SALAMAH NASUTION , ISTI MADINAH HASIBUAN , MAYA SARAH

2025

Jurnal internasional bereputasi

Sustainable and functionalized nanofillers to improve CO2 capture and methane purification in mixed matrix membranes

MAYA SARAH , Ellora Priscille Ndia Ntone , Sunarti Abdul Rahman , Mohd Hafiz Dzarfan Othman , Azam Taufik Mohd Din , Afifi Zainal

2026

Tulisan ilmiah

Pra Rancangan Unit Sterilizer Pada Pabrik Kelapa Sawit Untuk Kapasitas Pengolahan 30 Ton/Jam

MAYA SARAH

2018

Prosiding seminar internasional

Study on potency of municipal solid waste conversion into renewable energy by thermal incineration and bioconversion: Case study of Medan city

MAYA SARAH

2026

Makalah ilmiah

Kinerja Penghilangan Tinta dari Kertas Koran

MAYA SARAH

2026

Prosiding seminar internasional

Effect of methanol purity on biodiesel production from lauric acid using esterification reaction

MAYA SARAH

2025

Jurnal internasional bereputasi

Sustainable and functionalized nanofillers to improve CO₂ capture and methane purification in mixed matrix membranes

Ellora Priscille Ndia Ntone , Sunarti Abdul Rahman , Mohd Hafiz Dzarfan Othman , Azam Taufik Mohd Din , Afifi Zainal , MAYA SARAH

2019

Prosiding seminar internasional

Calorific Value of Oil Palm Frond Through Bio-Charcoal Briquette as Renewable Energy

MAYA SARAH

2019

Prosiding seminar internasional

Microwave Assisted Hydrolysis of Oil Palm Empty Fruit Bunch: Effect of Wave Distance Sources, Power, Time and Acid Concentration

MAYA SARAH

2026

Prosiding seminar nasional

BIOETANOL DARI LIGNOSELULOSA: POTENSI PEMANFAATAN LIMBAH PADAT DARI INDUSTRI MINYAK KELAPA SAWIT

MAYA SARAH

2026

Prosiding seminar nasional

ESTIMASI TEORETIS PEROLEHAN BIOETANOL DARI HIDROLISIS TANDAN KOSONG KELAPA SAWIT (TKS) MENGGUNAKAN ASAM ENCER1

MAYA SARAH

2026

Jurnal nasional terakreditasi

Pengaruh Jenis Dan Konsentrasi Pelarut Dalam Reduksi Ekses Lumpur Aktif

MAYA SARAH

2013

Jurnal internasional bereputasi

Enzymatic destruction kinetics of oil palm fruits by microwave sterilization

MAYA SARAH

2023

Jurnal internasional bereputasi

Extraction of citronella oil from lemongrass (*Cymbopogon winterianus*) by sequential ultrasonic and microwave-assisted hydro-distillation

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2023

Extraction of citronella oil from lemongrass (*Cymbopogon winterianus*) by sequential ultrasonic and microwave-assisted hydro-distillation

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2017

Prosiding seminar internasional

Critical parameters for sterilization of oil palm fruit by microwave irradiation

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2023

Prosiding seminar internasional

Bioelectric production of palm oil mill effluent with double chamber microbial fuel cell method and *Lactobacillus bulgaricus*

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2018

Jurnal internasional

Production of biogas from co-digestion of empty fruit bunches (EFB) with palm oil mill effluent (POME): effect of mixing ratio.

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2018

Prosiding seminar internasional

Optimization of palm fruit sterilization by microwave irradiation using response surface methodology

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2018

Jurnal internasional bereputasi

CAROTENOIDS PRESERVATION DURING STERILIZATION OF PALM FRUIT USING MICROWAVE IRRADIATION

MAYA SARAH

2023

Prosiding seminar internasional

Biogas Production from Cassava Peels Utilizing Fixed Bed Bioreactor with Silica Gel Media

MAYA SARAH

2025

Jurnal internasional bereputasi

Process optimization of microwave-assisted hydrodistillation for Andaliman (*Zanthoxylum acanthopodium* DC.) extraction: Investigating solvent volume, power, and time effects on yield

MUHAMMAD ALKAUSAR , SITI SALAMAH NASUTION , ISTI MADINAH HASIBUAN , MAYA SARAH

2020

Prosiding seminar internasional

Hydrolysis of oil palm empty fruit bunch using rotating microwave reactor

MAYA SARAH

2017

Jurnal internasional bereputasi

Study on hydrolysis of Oil Palm's Empty Fruit Bunch using microwave irradiation

MAYA SARAH

2026

Prosiding seminar internasional

Microwave-assisted extraction of pectin from cocoa peel. IOP Conf

MAYA SARAH

2026

Jurnal internasional bereputasi

Bukti Sebagai Reviewer Journal Radiation Physics and Chemistry

MAYA SARAH

2026

Prosiding seminar internasional

Pra-Rancangan Pabrik Isopropil Miristat Berbasis Kombinasi Teknologi Distilasi Reaktif dan Ekstraktif dengan Kapasitas 14.000 Ton per Tahun

MAYA SARAH

2018

Prosiding seminar internasional

Effect of sterilization time and temperature on fatty acids, carotenoids and vitamin e of oil extracted from palm fruit irradiated by microwave energy

MAYA SARAH

2026

Jurnal internasional

Study on Hydrolysis of Oil Palm's Empty Fruit Bunch Using Microwave Irradiation

MAYA SARAH

2019

Prosiding seminar internasional

Heat Transfer Evaluation on Microwave Sterilization: Case Study of Oil Palm Fruit

MAYA SARAH

2005

Jurnal nasional

Performance Of Abr: Case Study Using Glycerin Pitch As Substrate

MAYA SARAH

2020

Jurnal internasional bereputasi

Effect of Power and Time in Pectin Production from Cocoa Pod Husk Using Microwave-Assisted Extraction Technique

MAYA SARAH

2026

Makalah ilmiah

Study on Hydrolysis of Oil Palm's Empty Fruit Bunch using

MAYA SARAH

2024

Jurnal nasional terakreditasi

Studi Pengaruh Variasi Konsentrasi Garam Dapur (NaCl) sebagai Larutan Elektrolit dan pH Bahan Baku dalam Pembuatan Biobaterai Kering Berbasis Limbah Kulit Pisang

MAYA SARAH

2020

Jurnal internasional

Hydro distillation of java citronella using microwaves technique: Effect of mass ratio and irradiati

MAYA SARAH

2026

Prosiding seminar nasional

Estimasi Teoretis Perolehan Bioetanol dari Hidrolisis Tandan Kosong Kelapa Sawit (TKS) Menggunakan Asam Encer

MAYA SARAH

2026

Artikel ilmiah

Pra Rancangan Pabrik Pembuatan Lithopone Dari Seng Sulfat Dan Barium Sulfida Dengan Kapasitas Produksi 4000 Ton/Tahun

MAYA SARAH

Community Services

2025

Asesor LAM Teknik

HENKY MULJANA , MAYA SARAH

Intellectual Property Rights

2026

Paten nasional

Metode pembuatan glukosa dari tandan kosong kelapa sawit

MAYA SARAH

2026

Paten nasional

PROSES EKSTRAKSI HIDRO-DISTILASI BERBANTUKAN GELOMBANG MIKRO UNTUK MINYAK ATSIRI FULI *Myristica Fragrans* Houtt

MAYA SARAH

2026

Paten nasional

PROSES EKSTRAKSI HIDRO-DISTILASI BERBANTUKAN GELOMBANG MIKRO UNTUK MINYAK ATSIRI FULI *Myristica Fragrans* Houtt

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2026

Paten nasional

Formulasi Biopesisida diri minyak Puli Pala

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