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Nisaul Fadilah Dalimunthe, S.T., M.Eng dilahirkan di Medan pada tanggal 12 January 1994 merupakan seorang dosen di Universitas Sumatera Utara dengan bidang ilmu Teknik Kimia. Beliau menyelesaikan pendidikan terakhirnya pada jenjang S2 di Fakultas Teknik Program Studi Teknik Kimia Universitas Gadjah Mada pada tahun 2019.

Pendidikan:

S1 - Teknik Kimia Universitas Sumatera Utara 2012

S2 - Teknik Kimia Universitas Gadjah Mada 2017

Publications

2023

Jurnal internasional bereputasi

THE ROLE OF STIRRING SPEED ON THE PROPERTIES IMPROVEMENT OF BIOPLASTIC COMPOSITE SAGU STARCH MODIFIED WITH CELLULOSE MICROCRYSTAL AND BETEL LEAF EXTRACT

NISAUL FADILAH DALIMUNTHE , HALIMATUDDAHLIANA , ELISA JULIANI

2026

Jurnal nasional

Penyuluhan Mengenai Pentingnya Pemilahan Sampah Organik dan Non-Organik ke Anak-anak SD Muhammadiyah 02 Medan. ABDI SABHA (Jurnal Pengabdian Kepada Masyarakat), 3 (2), 194–202

NISAUL FADILAH DALIMUNTHE

2021

Jurnal internasional bereputasi

The effect of addition nanoparticle chicken eggshell fillers on biocomposite acrylic resin for denture base

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2017

Prosiding seminar internasional

The influence of chicken egg shell as fillers on biocomposite acrylic resin for denture based

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2024

Prosiding seminar internasional

The effect of additional kepok banana blossom (Musa paradisiaca normalis) on mechanical properties of pectin-edible film as packaging

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2025

Jurnal internasional bereputasi

Synergistic integration of zeolite engineering and fixed-bed column design for enhanced biogas upgrading: Adsorbent synthesis, CO₂/CH₄ separation kinetics, and regeneration

assessment

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2026

Jurnal nasional

Pemanfaatan Minyak Jelantah Untuk Bahan Baku Lilin Aromaterapi Di Yayasan Al Kahfi Medan

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2026

Jurnal nasional

Sosialisasi Pemanfaatan Kasgot (Bekas Maggot) BSF Sebagai Pembuatan Pupuk Organik Berbasis Rumah Tangga

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2023

Jurnal internasional bereputasi

THE ROLE OF STIRRING SPEED ON THE PROPERTIES IMPROVEMENT OF BIOPLASTIC COMPOSITE SAGO STARCH MODIFIED WITH CELLULOSE MICROCRYSTAL AND BETEL LEAF EXTRACT

MEINISSA ASDITA , AVANIA ZOELVA , MORA SARTIKA , ELISA JULIANTI , HALIMATUDDAHLIANA , NISAUL FADILAH DALIMUNTHE

2021

Prosiding seminar internasional

Effect of carbonate hydroxyapatite (CHA) on the properties of pectin edible films

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2026

Jurnal nasional

Workshop on community-based household organic waste management using ThrowbinC at the Aisyiyah Kampung Dadap Medan Organization

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2026

Jurnal nasional terakreditasi

Pengaruh selulosa nanokristal dari serat buah kelapa sawit sebagai pengisi dan kalium klorida sebagai agen pendispersi terhadap sifat fisik bioplastik berbasis pati bijiÂ …

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2024

Prosiding seminar internasional

Characterization of a bioplastic spoon based on kepok banana (*Musa acuminata balbisiana* C.) starch with the addition of areca nut shells (*Areca catechu* L.) and glycerol

SAID HANIEF , NISAUL FADILAH DALIMUNTHE

2026

Jurnal nasional terakreditasi

Penentuan Kadar Flavonoid dan Kandungan Fitokimia Ekstrak Kulit Bawang Merah (*Allium cepa* L) dengan Berbantuan Microwave sebagai Potensi Bahan Aktif Tabir Surya

NISAUL FADILAH DALIMUNTHE

2026

Jurnal internasional bereputasi

THE EFFECT OF GLYCEROL AND SAGO STARCH ADDITION ON THE CHARACTERISTICS OF BIOPLASTICS BASED ON ORANGE PEEL PECTIN: Original scientific paper

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2026

Prosiding seminar internasional

The effect of additional kepok banana blossom (*Musa paradisiaca normalis*) on mechanical properties of pectin-edible film as packaging

NISAUL FADILAH DALIMUNTHE

2026

Jurnal nasional terakreditasi

Penyediaan Biofilm Berbasis Pektin Kulit Buah Cempedak (*Artocarpus champaden L.*) Terisi Carboxymethyl Cellulose dengan Variasi Konsentrasi Gliserol Untuk Menurunkan Susut Bobot

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2026

Jurnal internasional bereputasi

THE EFFECT OF GLYCEROL AND SAGO STARCH ADDITION ON THE CHARACTERISTICS OF BIOPLASTICS BASED ON ORANGE PEEL PECTIN: Original scientific paper

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2026

Jurnal internasional bereputasi

Enhancement of tensile properties in chitosan/poly (vinyl alcohol)/poly (acrylonitrile) polymer electrolyte membranes via ammonium chloride doping

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2023

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Characteristics of Microcrystalline Cellulose Based on Coconut Husk through Hydrolysis Process

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2024

Prosiding seminar internasional

Characterization of a bioplastic spoon based on kepok banana (*Musa acuminata balbisiana C.*) starch with the addition of areca nut shells (*Areca catechu L.*) and glycerol

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2026

Prosiding seminar internasional

The effect of additional kepok banana blossom (*Musa paradisiaca normalis*) on mechanical properties of pectin-edible film as packaging

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2022

Prosiding seminar internasional

Tensile Properties and Antimicrobial Activity of Bioplastic Based on Sago Starch Utilized Piper Betel Leaf

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2024

Jurnal internasional bereputasi

MATLAB-empowered brightness defect prediction system in pulp processing bleaching stage: An empirical modelling approach

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2026

Jurnal internasional bereputasi

Synergistic integration of zeolite engineering and fixed-bed column design for enhanced biogas upgrading: Adsorbent synthesis, CO₂/CH₄ separation kinetics, and regeneration

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2026

Jurnal internasional bereputasi

Hydrogel and effects of crosslinking agent on cellulose-based hydrogels: a

review. Gels 8 (9)

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2021

Prosiding seminar internasional

The role of betel (Piper betle) leaf extract and glycerol on physical properties of bioplastic based on sago starch

NISAUL FADILAH DALIMUNTHE , Gita Wulandari , HALIMATUDDAHLIANA , ELISA JULIANTI

2017

Tulisan ilmiah

Pengaruh Penambahan Pengisi Mikropartikel Cangkang Telur Ayam Terhadap Sifat-Sifat Mekanik Komposit Resin Akrilik pada Basis Gigi Tiruan

NISAUL FADILAH DALIMUNTHE

2019

Jurnal internasional bereputasi

The influence of Chicken Egg shell as fillers on biocomposite Acrylic Resin for denture based on mechanical strength and water absorption

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Researches

2021

Penelitian Unggulan Perguruan Tinggi

Pemanfaatan Selulosa Mikrokrystal dari Sabut Kelapa sebagai Pengisi dan Ekstrak Daun Sirih sebagai Antimikroba pada Komposit Bioplastik Pati Sagu

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Pemanfaatan Minyak Jelantah Untuk Bahan Lilin Aromaterapi Di Yayasan Al Kahfi Medan

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