Dr. Amir Hamzah Siregar, M.Si

Lecturer of Laboratorium Kimia Fisika Study Program
Fakultas Matematika Dan Ilmu Pengetahuan Alam
Universitas Sumatera Utara

amirhamzah@usu.ac.ad

USU Faculty of Mathematics and Natural Sciences

fmipa.usu.ac.id/en/lecturer/amir-hamzah-siregar

Dr. Drs. Amir Hamzah Siregar, M.Si. was born in Padang Sidempuan/South Tapanuli on June 14, 1961, and is a lecturer in Chemistry at Universitas Sumatera Utara. He completed a Doctoral Program in Chemistry at USU in 2014.

Publications

2023
Prosiding seminar internasional

Making of sound damping from interpenetrating polymer network of polyurethane and EPDM rubber with corncobs powder (Zea mays) as filler material

AMIR HAMZAH SIREGAR

2022
Jurnal internasional bereputasi

The manufacture nanofiber from sugarcane bagasse lignin with polyvinyl alcohol by electrospinning method

AMIR HAMZAH SIREGAR

2021
Jurnal internasional bereputasi

Chemical content and fiber dimension of agarwood branches (Aquilaria malaccensis Lamk)

AMIR HAMZAH SIREGAR

2021
Jurnal internasional bereputasi

Mechanical and morphology characteristics of natural rubber-styrene butadiene rubber (NR-SBR) blends in the presence of natural microbentonite

AMIR HAMZAH SIREGAR

2021
Jurnal internasional bereputasi

Mechanical, thermal and adhesion characteristics of natural rubber/epoxidised natural rubber (NR/ENR 25) blends containing natural microbentonite

AMIR HAMZAH SIREGAR

2021
Jurnal internasional bereputasi

Chemical Compounds and Antioxidant Potential in Hot Water Extract of Cultivated Agarwood (Aquilaria malaccensis) Lamk Leaves

AMIR HAMZAH SIREGAR

2021
Prosiding seminar internasional

Mechanical and morphology characteristics of natural rubber-styrene butadiene rubber (NR-SBR) blends in the presence of natural microbentonite

AMIR HAMZAH SIREGAR , BASUKI

2021
Jurnal internasional bereputasi

Chemical content analysis of agarwood (Aquilaria malaccensis Lamk) twigs

AMIR HAMZAH SIREGAR

2021
Jurnal internasional bereputasi

Preparation of Biodegradable and Low-Cost Lignin-Based PVOH Carbon Fibers Prepared by Electrospinning

AMIR HAMZAH SIREGAR , SAHARMAN GEA

2021
Jurnal internasional bereputasi

Bioactive compounds of ethanol extract from agarwood leaves (Aquilaria malaccensis) and antimicrobial activity against bacteria and fungi growing on the skin

AMIR HAMZAH SIREGAR

2021
Jurnal internasional bereputasi

Phytochemical screening and py-gc-ms analysis of agarwood leaves (Aquilaria malaccensis lamk.) cultivated in bahorok, langkat regency, North Sumatra, Indonesia

AMIR HAMZAH SIREGAR

2020
Jurnal internasional bereputasi

Modification of Natural Rubber (SIR 10) with Maleic Anhydride as Binder for Sand Aggregate

AMIR HAMZAH SIREGAR

2020
Jurnal internasional bereputasi

Efficiency of maleic anhydride-modified polystyrene/Natural rubber blends as sand aggregate binder

AMIR HAMZAH SIREGAR

2020
Jurnal internasional bereputasi

Characteristics of maleic anhydride-modified polystyrene and natural rubber blends containing "talang" bamboo powder as sound damping material

AMIR HAMZAH SIREGAR

2020
Jurnal internasional bereputasi

Characteristics of maleic anhydrida-modified polystyrene containing sand aggregate

AMIR HAMZAH SIREGAR

2020
Jurnal internasional bereputasi

Preparation and characterisations of maleic anhydridemodified-(asphalt, natural rubber, and polystyrene) blends containing sand aggregate

AMIR HAMZAH SIREGAR

2020
Jurnal internasional bereputasi

Isolation and characterisation of cellulose nanofibre and lignin from oil palm empty fruit bunches

AMIR HAMZAH SIREGAR

2019
Jurnal internasional bereputasi

The use of nanofibrils celulose of sugarcane bagasse as precursor in

synthesizing carbon nanodots by hydrothermal method

AMIR HAMZAH SIREGAR

2019

Jurnal internasional bereputasi

Compatibility and Thermal Properties of Maleic Anhydride-grafted-Polystyrene Containing Microcrystal cellulose (Avicel) as Raw Material for Soil Binder

AMIR HAMZAH SIREGAR

2018

Jurnal internasional bereputasi

Compatibilitation of cyclic natural rubber (resiprene-35) with polypropylene in the presence of oleic acid and benzoyl peroxide

AMIR HAMZAH SIREGAR

Researches

2022

Optimalisasi Kekuatan Mekanik dan Ikatan Antarmuka Lapis Tipis AspalPasir Termodifikasi Karet Alam Cair dengan Penambahan Aditif Berbasis Lilin sebagai Lapis Aus (Ac-Wc) Perkerasan Jalan

THAMRIN , AMIR HAMZAH SIREGAR