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Prof. Dr. Tamrin, M.Sc. dilahirkan di Aceh Tengah pada tanggal 04 Juli 1960. Beliau merupakan seorang dosen Kimia di Universitas Sumatera Utara. Beliau menyelesaikan pendidikan terakhirnya pada jenjang S3, program studi Kimia, di Universitas Sumatera Utara pada tahun 2007.

Publications

2025

Jurnal internasional bereputasi

Enhancement of Asphalt Resilience through Functionalization of Natural Rubber with Glycidyl Methacrylate, Maleic Anhydride, and Divinylbenzene

AHMAD HAFIZULLAH RITONGA , EDDIYANTO , NANANG RAHMAT WIJAYA , Joddy Arya Laksmono , TAMRIN

2024

Jurnal internasional bereputasi

Synthesis and application of nano-silicon prepared from rice husk with the hydrothermal method and its use for anode lithium-ion batteries

TAMRIN

2023

Jurnal internasional bereputasi

The enhancement of mechanical, physical, and thermal properties of modified asphalt mixture with lignin from mahogany sawdust in the presence of diphenylmethane 4,4'-diisocyanate

TAMRIN

2023

Jurnal internasional bereputasi

Preparation and Characterization of Sound-Absorbent Based on Polystyrene Reinforced Primary Sludge and Fly Ash from Pulp Mill

BASUKI , TAMRIN , TENGKU RACHMI HIDAYANI , DARWIN YUNUS NASUTION

2022

Buku referensi

Pemikiran Guru Besar Universitas Sumatera Utara Tentang Profesor Kehormatan dan Honoris Causa

TAN KAMELLO , TAMRIN

2022

Jurnal internasional bereputasi

Biosynthesis of silver nanoparticles loaded PVA/gelatin nanocomposite films and their antimicrobial activities

TAMRIN , ZUL ALFIAN

2022

Jurnal internasional bereputasi

Chemical compounds contained Saurauia vulcani (Korth.) and its antibacterial activity against Staphylococcus aureus and Escherichia coli

TAMRIN

2021

Jurnal internasional

Addition of divinyl benzene comonomer to glycidyl methacrylate grafting to cyclic natural rubber

TAMRIN

2021

Jurnal internasional

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

TAMRIN

2021

Jurnal internasional

Chemical content analysis of agarwood (<i>Aquilaria malaccensis</i> Lamk) twigs

TAMRIN

2021

Jurnal internasional bereputasi

Preparation and phytochemical characterisation of antioxidant active ethanol extract of agarwood (<i>Aquilaria malaccensis</i> Lamk) leaf (EEAL) using liquid

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2021

Jurnal internasional

Preliminary activity test of pirdot (<i>Saurauia Vulcani, Korth</i>) leaves collected from Aek Nauli forest, North Sumatera (Indonesia)

TAMRIN

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

RIDWANTI BATUBARA , AMIR HAMZAH SIREGAR , URIP HARAHAHAP , TAMRIN

2021

Prosiding seminar internasional

Preparation Film Gelatin PVA/Gelatin and Characterization Mechanical Properties

ZUL ALFIAN , TAMRIN

2021

Jurnal internasional

Chemical content analysis of agarwood (Aquilaria malaccensis Lamk) twigs

TAMRIN

2021

Prosiding seminar internasional

Preparation and Phytochemical Characterisation of Antioxidant Active Ethanol Extract of Agarwood (Aquilaria malaccensis Lamk) Leaf (EEAL) 8sing Liquid Chromatography-Mass Spectroscopy (LC-MS)

TAMRIN , BASUKI , RIDWANTI BATUBARA , URIP HARAHAHAP

2021

Prosiding seminar internasional

The effect of sludge from waste paper industry additon as a filler into composite panel based on polypropylene plastic waste and cocofiber

DARWIN YUNUS NASUTION , TAMRIN , BASUKI

2021

Prosiding seminar internasional

Counseling on health and cleaning protocols, training and demonstration on preparation of hand sanitizer using betel leaf extract and carboxhymetil cellulose of rice straw as antibacterial and moisturising agents for worshipers and community around Nurul Hasanah mosque in Dusun-XI, Sei Rotan, Percut Sei Tuan, Deli Serdang Regency

TAMRIN , AMIR HAMZAH SIREGAR , BASUKI , GUSTANTO

2021

Jurnal internasional bereputasi

CONTROLLED RELEASE OF THE ENCAPSULATED OF KARI (MURRAYA KOENIGII) LEAVE’S EXTRACT IN THE MATRIX OF GELATIN-GUM ARABIC

TAMRIN , BASUKI , JELITA

2021

Jurnal internasional

PREPARATION AND CHARACTERIZATION OF BACTERIAL CELLULOSE SUPPLEMENTED Centella Asiatica L. Urban EXTRACT TO IMPROVE MECHANICAL PROPERTIES

TAMRIN , MARPONGAHTUN , LAMEK MARPAUNG

2020

Jurnal internasional bereputasi

Effect of Graft copolymerization of oleic acid on to cyclic natural rubber in polyamide

BASUKI , TAMRIN

2020

Jurnal internasional

Characteristic of green synthesized ag nanoparticle using extract and essential oil of illicium verum hook. F. as antibacterial

TAMRIN

2020

Jurnal internasional

Characteristics of maleic anhydrida-modified polystyrene containing sand aggregate

TAMRIN

2020

Jurnal internasional

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

TAMRIN

2020

Jurnal internasional

Preparation of silver nanoparticles from extract of star anise (Illicium Verum. Hook. F)

TAMRIN

2020

Jurnal internasional

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

TAMRIN

2020

Jurnal internasional

Grafting copolymer cylic natural rubber with oleic acid using dicumyl peroxide as initiator

TAMRIN

2020

Jurnal internasional bereputasi

KOPOLIMER AKRILAT BERBASIS KARET ALAM SIKLIK SEBAGAI PROMOTOR

ADHESI UNTUK PADUAN POLIPROPILENA - KARET ALAM SIKLIK DAN KOMPOSIT POLIPROPILENA - KARET ALAM SIKLIK - 5 NANOSELULOSA

BASUKI , TAMRIN

2019

Jurnal internasional

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

BASUKI , AMIR HAMZAH SIREGAR , TAMRIN

2019

Jurnal internasional bereputasi

Preparation of chitosan PCL/PLA nanocomposite blended with bentonite from Aceh, Indonesia

TAMRIN

2019

Jurnal internasional bereputasi

The influence of maleic anhydride-grafted polymers as compatibilizer on the properties of polypropylene and cyclic natural rubber blends

TAMRIN , BASUKI

2019

Jurnal internasional bereputasi

Oil palm-based nanocrystalline cellulose in the emulsion system of cyclic natural rubber

BASUKI , TAMRIN

2019

Jurnal internasional bereputasi

CONTROLLED RELEASE OF THE ENCAPSULATED OF KARI (MURRAYA KOENIGII) LEAVE™S EXTRACT IN THE MATRIX OF GELATIN-GUM ARABIC

TAMRIN

2019

Jurnal nasional

Aktivitas Antibakteri dan antioksidan dari Ekstrak Daun Kari (Murayya koeginii) Ditinjau dari Waktu Penyimpanan

JELITA , BASUKI , TAMRIN , LAMEK MARPAUNG

2019

Jurnal nasional

Analisis Pemahaman Konsep Siswa pada Materi Ikatan Kimia Melalui Gambaran Mikroskopis

TAMRIN , BASUKI , LAMEK MARPAUNG , JELITA

2019

Jurnal internasional bereputasi

Thermal and morphology properties of cellulose nanofiber from TEMPO-oxidized lower part of empty fruit bunches (LEFB)

TAMRIN , BASUKI

2018

Jurnal internasional

Fabrication and characterization of natural rubber composite (sir 5)/organo-montmorillonite using cetil trimetil ammonium bromide as a surface modifier

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2018

Jurnal internasional

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

AMIR HAMZAH SIREGAR , TULUS IKHSAN NASUTION , BASUKI , TAMRIN

2018

Jurnal internasional bereputasi

Characterization of technical kaolin using XRF, SEM, XRD, FTIR and its potentials as industrial raw materials

HARRY AGUSNAR , TAMRIN , ZUL ALFIAN

2018

Jurnal internasional

Compatibility and Wettability of Polypropylene-Cyclic Natural Rubber-NanocrystalCelluloseNanocomposites Containing Methacrylic Acid and Methylacrylateas Coagents

TAMRIN

2018

Prosiding seminar internasional

Preparation of semi-IPN hydrogel from starch nanoparticles of magrove fruit and monomer acrylic acid using crosslinker N,N' methylene bisacrylamide

MARPONGAHTUN , TAMRIN , DARWIN YUNUS NASUTION , GIMELLIYA SARAGIH

2018

Jurnal internasional

Influence of nanocellulose in the emulsion system of resiprene-35 containing Lutrol F127 and Tween80

TAMRIN

2018

Jurnal internasional

Characterization of gelatin from scapula (Os scapula) from Aceh cattle

TAMRIN , LAMEK MARPAUNG , BASUKI

2018

Prosiding seminar internasional

Preparation of semi-IPN hydrogel from starch nanoparticles of magrove fruit and monomer acrylic acid using crosslinker N,Nâ€™™ methylene bisacrylamide

GIMELLIYA SARAGIH , ABDILLAH , TAMRIN , MARPONGAHTUN , DARWIN YUNUS NASUTION

2015

Jurnal nasional terakreditasi

IDENTIFICATION OF PHENOL COMPOUNDS OF LIQUID SMOKE SHELL OIL AT HIGH TEMPERATURE PYROLYSIS

TAMRIN

2014

Jurnal internasional bereputasi

Eddiyanto & Mendez, JA Grafting of Maleic Anhydride onto Cyclized Natural Rubber by Reactive Processing: the Effect of Maleic Anhydride Concentrations

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2014

Jurnal internasional

Mechanical properties of nanocrystal cellulose reinforced polystyrene with glycerol monostearic as antistatic agent

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2026

Prosiding seminar internasional

Preparation and phytochemical characterisation of antioxidant active ethanol extract of agarwood (Aquilaria malaccensis Lamk) leaf (EEAL) using liquid…

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2026

Prosiding seminar internasional

Counseling on health and cleaning protocols, training and demonstration on preparation of hand sanitizer using betel leaf extract and carboxhymetil cellulose of rice straw as…

2026

Jurnal internasional bereputasi

Controlled release of the encapsulated of Kari (*Murraya koenigii*) leave's extract in the matrix of gelatin-gum Arabic.

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2026

Jurnal internasional

Phytochemicals screening and antibacterial activity of *Curcuma longa* Linn, *Ziziphus mauritiana* and *Centella asiatica* L. Urban extract.

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2026

Prosiding seminar internasional

Preparation and phytochemical characterisation of antioxidant active ethanol extract of agarwood (*Aquilaria malaccensis* Lamk) leaf (EEAL) using liquid chromatography-mass

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2026

Prosiding seminar internasional

Preparation and phytochemical characterisation of antioxidant active ethanol extract of agarwood (*Aquilaria malaccensis* Lamk) leaf (EEAL) using liquid

TAMRIN

2026

Jurnal internasional bereputasi

The enhancement of mechanical, physical, and thermal properties of modified asphalt mixture with lignin from mahogany sawdust in the presence of diphenylmethane 4, 4'-diisocyanate

TAMRIN

2026

Jurnal internasional bereputasi

Eddiyanto, & Mendez, JA (2014). Grafting of Maleic Anhydride onto Cyclized Natural Rubber by Re ctive Processing: The ffect of M eic Anhydride Concentrations

TAMRIN

2026

Prosiding seminar internasional

Compatibility of mixtures of asphalts and graft copolymerization of natural rubber onto glycidil methacrylate (NR-g-GMA) in modification of asphalt-rubber

TAMRIN

2026

Jurnal internasional bereputasi

Grafting of Maleic Anhydride onto Cyclized Natural Rubber by Reactive Processing: the Effect of Time and Rotor Speeds

TAMRIN

Researches

2024

Penelitian Strategis Nasional

ANALISIS TINGKAT PEMANFAATAN, POTENSI LESTARI DAN UPAYA PENANGKAPAN OPTIMUM IKAN KAKAP PUTIH (*Lates calcarifer*) DI PANTAI TIMUR SUMATERA UTARA DALAM MENCAPI KEMANDIRIAN

TAMRIN , MISWAR BUDI MULYA

2024

ANALISIS TINGKAT PEMANFAATAN, POTENSI LESTARI DAN UPAYA PENANGKAPAN OPTIMUM IKAN KAKAP PUTIH (*Lates calcarifer*) DI PANTAI TIMUR SUMATERA UTARA DALAM MENCAPAI KEMANDIRIAN

TERNALA ALEXANDER BARUS , TAMRIN , MISWAR BUDI MULYA

2024

Analisis Tingkat Pemanfaatan, Potensi Lestari dan Upaya Penangkapan Optimum Ikan Kakap Putih (*Lates calcarifer*) di Pantai Timur Sumatera Utara Dalam Mencapai Kemandirian Pangan Nasional

TAMRIN , MISWAR BUDI MULYA

2013

Penelitian Hibah Bersaing

PEMANFAATAN LIGNIN ISOLAT BAHAN PENGIKAT ALAMI (Natural Binder) DARI KAYU SEMB

MINTO SUPENO , KURNIA SEMBIRING , TAMRIN

Community Services

2025

Ipteks Bagi Inovasi Kreativitas Kampus

SK IKAYON A USU

TAMRIN

2024

PENGANGKATAN PENGURUS IKAYON A USU Periode 2022 - 2026

JENNY SARI BR TARIGAN , TAMRIN

2023

Ipteks Bagi Masyarakat

Peningkatan Proses Pembelajaran Dengan Metode Project Based learning (PBL) Berbasis Lingkungan di SDN 19 Tanjung Harapan Kec. Air Putih Kab. Batu Bara

ZURIAH SITORUS , TAMRIN , AWAN MAGHFIRAH , RIZKY FEBBY YOLANDA BUTAR-BUTAR , NOURATUT DINI , EMITA BR SEMBIRING

2023

Ipteks Bagi Masyarakat

PELATIHAN PENGGUNAAN APLIKASI PENJUALAN HEWAN TERNAK YG ADA DI KAMPUNG KUNYIT RAWA KEONG DELI SERDANG UNTUK PENINGKATAN PENDAPATAN EKONOMI

TAMRIN

2022

Ipteks Bagi Masyarakat

PEMBUATAN DAN KARAKTERISASI LIMBAH TONGKOL JAGUNG SEBAGAI MAKANAN TERNAK PADA KELOMPOK MASYARAKAT PETERNAK KAMBING DI DESA SEI MENCIRIM KECAMATAN KUTALIMBARU KABUPATEN DELI SERDANG

GUSTANTO , AMIR HAMZAH SIREGAR , TAMRIN

2013

Penelitian Hibah Bersaing

PEMANFAATAN LIGNIN ISOLAT BAHAN PENGIKAT ALAMI (Natural Binder) DARI KAYU SEMB

Intellectual Property Rights

2024
Paten nasional

Komposisi Lapis Tipis Aspal Pasir (Latasir) Termodifikasi Karet Alam Terdergdasi (KAd)

IRENE INDAH CAPRI RITONGA , TAMRIN , AMIR HAMZAH SIREGAR

2023
Paten nasional

PADUAN KARET ALAM (SIR-10) DAN KARET ALAM TEREPOKSIDASI (ENR25) DENGAN PENAMBAHAN MIKROBENTONIT ALAM SEBAGAI BAHAN DASAR ADESIF

TAMRIN , BASUKI , AMIR HAMZAH SIREGAR

2020
Paten nasional

Kopolimer Akrilat Berbasis Karet Alami Siklik Sebagai Promotor Adhesi Untuk Paduan Polipropilena - Karet Alam Siklik dan Komposit Polipropilina- Karet Alami Siklik - Nano

TAMRIN , BASUKI
