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Publications

2023
Jurnal internasional bereputasi

Bacterial cellulose-based paper production coated with poly-ethylene oxide/poly-vinyl alcohol

SAHARMAN GEA , DARWIN YUNUS NASUTION , MARPONGAHTUN , Khatarina Meldawati Pasaribu

2023
Prosiding seminar internasional

The characterization of agitated bacterial cellulose-based paper synthesized at various rotational speeds

DARWIN YUNUS NASUTION , SUCI AISYAH AMATURRAHIM , MARPONGAHTUN , SAHARMAN GEA

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

2023
Jurnal internasional bereputasi

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

BASUKI , DARWIN YUNUS NASUTION

2022
Jurnal internasional bereputasi

Mechanical, Morphological and Thermal Properties of Diocthylphthalate-Plasticized Polyvinyl Chloride Reinforced Sepiolite/MgO

BASUKI , DARWIN YUNUS NASUTION

2022
Jurnal internasional bereputasi

SYNTHESIS OF SILICON NANOPARTICLES MODIFIED POLYESTER AS MATERIAL ACTIVE ELECTRODE ON A SECONDARY CELL BATTERY

DARWIN YUNUS NASUTION , YUGIA MUIS , ANDRIAYANI

2022
Jurnal internasional bereputasi

Acoustic and Mechanical Properties of Polystyrene Composite Filled with Primary Sludge and Boiler Ash from Pulp Mill

BASUKI , DARWIN YUNUS NASUTION

2022
Prosiding seminar internasional

Plastisisation of polyvinilchloride biofilms with palm oil oleine and methylmethacrylate as comonomer

DARWIN YUNUS NASUTION , BASUKI

2022
Jurnal internasional bereputasi

ANALYSIS FABRICATION OF POROUS CERAMICS FROM CLAY AND COPPER POWDER USING PALM OIL POWDER AS A PORE-FORMING AGENT FOR FILTERS IN MOTOR VEHICLE GAS

DARWIN YUNUS NASUTION , MARPONGAHTUN , Ir. VIVI PURWANDARI, M.Si

2021
Prosiding seminar internasional

Effect of Particle Size From Oil PalmWood Powder as Pore Forming Agent on Porosity and Hardness of Porous Ceramics Based on Clay and Polyvinyl Alcohol

MARPONGAHTUN , DARWIN YUNUS NASUTION , TAUFIK HIDAYAT

2021
Monograf

Processing of primary sludge of pulp industry as microfillers for polystyrene-based composite foams

DARWIN YUNUS NASUTION , BASUKI

2021
Jurnal internasional bereputasi

Effect of sealer coating on hardness and water sorption data of soft denture lining materials

ISMET DANIAL NASUTION , ARIYANI DRG , DARWIN YUNUS NASUTION

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

2020
Jurnal internasional bereputasi

The Synthesis of Superabsorbent Polymer from Carboxymethyl Selulose, Aluminum Sulfate and Oxidized Bread Fruit Starch

DARWIN YUNUS NASUTION , MARPONGAHTUN

2020
Jurnal internasional bereputasi

PHYTOCHEMICAL SCREENING AND TOXICITY OF ETHANOLIC EXTRACT OF MANGROVE (Rhizophora mucronata) LEAVES FROM LANGSA, ACEH TIMUR

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

2020
Jurnal internasional bereputasi

Phytochemical screening and toxicity of ethanolic extract of mangrove (Rhizophora mucronata) leaves from Langsa, Aceh Timur

MARPONGAHTUN , DARWIN YUNUS NASUTION , TAMRIN

2018
Prosiding seminar internasional

The influence of hydrolisis time on the crystallinity degree of cellulose and Î±â€“cellulose of oil palm wood (Elais guinensis Jack)

MARPONGAHTUN , DARWIN YUNUS NASUTION , YULY PUJIARTI , NAMI PANINDIA

2018
Prosiding seminar internasional

Abdillah, 2018. Preparation of Semi-IPN Hidrogel from Starch Nanoparticles of Magrove Fruit and Monomer Acrylic Acid Using Crosslinker N, N’Methylene Bisacrylamide

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

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

2018
Prosiding seminar internasional

Preparation of Semi-IPN Hidrogel from Starch Nanoparticles of Magrove Fruit and Monomer Acrylic Acid Using Crosslinker N, N'Methylene Bisacrylamide

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

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
Prosiding seminar internasional

The influence of hydrolisis time on the crystallinity degree of cellulose and α – cellulose of oil palm wood (Elais guinensis Jack)

DARWIN YUNUS NASUTION , MARPONGAHTUN

2018
Jurnal internasional bereputasi

The Isolation of Nanofibre Cellulose from Oil Palm Empty Fruit Bunch Via Steam Explosion and Hydrolysis with HCl 10%

SAHARMAN GEA , ANDRIAYANI , DARWIN YUNUS NASUTION

2018
Jurnal internasional bereputasi

Preparation of graphene oxide/bacterial cellulose nanocomposite via in situ process in agitated culture

SUCI AISYAH AMATURRAHIM , SAHARMAN GEA , DARWIN YUNUS NASUTION

Researches

2025
Penelitian Unggulan Perguruan Tinggi

prototipe modifikasi karet alam dan limbah plistiren foam dengan aspal untuk penambalan jalan berlubang sesuai SNI

SUCI AISYAH AMATURRAHIM , DARWIN YUNUS NASUTION , TAMRIN

2024
Hibah HI-LINK

POTENSI EKSTRAK LERAK (SAPINDUS RARAK DC) QUANTUMDOTS SEBAGAI BAHAN IRIGASI SALURAN AKAR DALAM PERAWATAN ENDODONTIK REGENERATIF

ATIKA RESTI FITRI , WANDANIA FARAHANNY , NEVI YANTI , DARWIN YUNUS NASUTION

2024

POTENSI EKSTRAK LERAK (SAPINDUS RARAK DC) QUANTUMDOTS SEBAGAI BAHAN IRIGASI SALURAN AKAR DALAM PERAWATAN ENDODONTIK REGENERATIF

ATIKA RESTI FITRI , WANDANIA FARAHANNY , NEVI YANTI , DARWIN YUNUS NASUTION

2018
Penelitian Unggulan Perguruan Tinggi

Pemanfaatan Serbuk Batang Kelapa Sawit Sebagai Agen Pembentuk Pori Pada Pembuatan Keramik Berpori Dari Tanah Liat Dan Polivinyl Alkohol Untuk Filter Gas Buangan Kendaraan Bermotor

DARWIN YUNUS NASUTION , MARPONGAHTUN

2017
Penelitian Dana Lokal Perguruan Tinggi

PEMBUATAN DAN KARAKTERISASI BIONANOKOMPOSIT POLY (?-CAPROLACTONE)/NANOKRISTAL SE

DARWIN YUNUS NASUTION

Community Services

2013
Penelitian Hibah Bersaing

PEMBUATAN NANOKERTAS SELULOSA BAKTERI DENGAN MEMANFAATKAN PULP YANG DIISOLASI DA

2013
Penelitian Hibah Bersaing

PEMBUATAN DAN KARAKTERISASI BIONANOKOMPOSIT POLY (?-CAPROLACTONE)/NANOKRISTAL SE

2013

Pelatihan Pemeriksaan Formalin Dalam Bahan Makanan Dan Pembuatan Sabun Cair Pada Kelurahan Rambung Dalam, Kota Binjai

YUGIA MUIS , SAHARMAN GEA , AMIR HAMZAH SIREGAR , DARWIN YUNUS NASUTION , MARPONGAHTUN

2013
Penelitian Hibah Bersaing

PEMBUATAN NANOKERTAS SELULOSA BAKTERI DENGAN MEMANFAATKAN PULP YANG DIISOLASI DA

2012
Ipteks Bagi Masyarakat

Pelatihan Pembuatan Sabun Colek Dan Sabun Cair Untuk Skala Kecil Dan Menengah Di Desa Percut, Kecamatan Percut Sei Tuan, Kabupaten Deli Serdang

YUGIA MUIS , SAHARMAN GEA , DARWIN YUNUS NASUTION , MARPONGAHTUN

2011

PPelatihan Pemeriksaan Formalin Dalam Bahan Makanan Dan Pembuatan Sabun Cair Pada Siswa-Siswa SMA Negeri Tanjung Tiram Kabupaten Batubara

YUGIA MUIS , AMIR HAMZAH SIREGAR , DARWIN YUNUS NASUTION , MARPONGAHTUN , HARLEM MARPAUNG