

Awan Maghfirah, S.Si., M.Si.

Lecturer of Undergraduate Program in Physics Study Program
Fakultas Matematika Dan Ilmu Pengetahuan Alam
Universitas Sumatera Utara

✉ awan.maghfirah@usu.ac.id

🏢 USU Faculty of Mathematics and Natural Sciences

🌐 fmipa.usu.ac.id/en/lecturer/awan-maghfirah

Awan Maghfirah, S.Si., M.Si., born in Manna, South Bengkulu, on September 02, 1979, is a Physics lecturer at Universitas Sumatera Utara. He completed his last education, which is the Master's Program in Physics at USU, in 2007.

Publications

2025

Jurnal nasional

Modifikasi mesin giling daging menjadi mesin produksi kue

Dr. KERISTA TARIGAN, M.Eng.Sc. , AWAN MAGHFIRAH , KURNIA BRAHMANA

2024

Prosiding seminar internasional

Utilization Of Kijing (Pilsbryconcha exilis) Shell Waste As A Source Of Hydroxyapatite By Double Stirring And Precipitation Methods As Biomaterials

AWAN MAGHFIRAH

2024

Jurnal nasional terakreditasi

Linearity Test of CT Number and Spatial Resolution Using ACR 464 Phantom for Image Quality Assessment on a 16-Slice CT Scanner

AWAN MAGHFIRAH

2024

Prosiding seminar internasional

Utilization of taro beneng (xantoshoma undipes k.koch) starch in the manufacture of bioplastics with sorbitol plasticizer and its characterization

KURNIA BRAHMANA , AWAN MAGHFIRAH , SUSILAWATI

2024

Prosiding seminar internasional

Utilization of taro beneng (xantoshoma undipes k.koch) starch in the manufacture of bioplastics with sorbitol plasticizer and its characterization

AWAN MAGHFIRAH , KURNIA BRAHMANA , SUSILAWATI

2024

Jurnal nasional

Physical Properties of Polymer Concrete Utilizing Pahae Natural Zeolite, Corn Husk Fiber, and Polyurethane Resin Adhesives

AWAN MAGHFIRAH

2023

Prosiding seminar internasional

Utilization Of Pahae Natural Zeolite In The Production Of Polymer Concrete Using Corn Shell Fiber And Polyurethane Resin As Adhesive

SUDIATI , AWAN MAGHFIRAH , PERDINAN SINUHAJI

2023

Prosiding seminar internasional

Effect of addition of coffee bean shell fiber and zinc oxide to bioplastic starch porang (*Amorphophallus oncophyllus*) with glycerol plasticizer

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2023

Prosiding seminar internasional

Effect of storage time of biodegradable plastic porang starch with glycerol plasticizer on mechanical and thermal properties

AWAN MAGHFIRAH , SUSILAWATI

2023

Prosiding seminar internasional

Utilization of porang starch (*Amorphophallus oncophyllus* Prain) and chitosan in the production and characterization of bioplastics

AWAN MAGHFIRAH , SUSILAWATI

2023

Jurnal nasional

Effect of Gelatinization Temperature on the Physical Properties of Porang (*Amorphophallus oncophyllus*) Starch Bioplastics with Sorbitol Plasticizer

AWAN MAGHFIRAH , SUDIATI , KURNIA BRAHMANA

2019

Buku lainnya

manufacturing and characterization process of polymer concrete with aggregate from pumice stone and corn husk fiber as filler

AWAN MAGHFIRAH , LUKMAN HAKIM

Researches

2023

PEMANFAATAN PATI TALAS BENENG (*Xantoshoma Undipes* K. Koch) DENGAN PLASTICIZER GLISEROL PADA PEMBUATAN PLASTIK BIODEGRADABLE SOLUSI PENANGANAN LIMBAH PLASTIK

SUSILAWATI , AWAN MAGHFIRAH

2021

Penelitian Dosen Pemula

Pemanfaatan Pati Porang (*Amorphophallus*, Sp) Dan Kitosan Dalam Pembuatan Dan Karakterisasi Film Plastik Biodegradable

SUSILAWATI , AWAN MAGHFIRAH

2017

Ipteks

PEMBUATAN DAN KARAKTERISASI BETON POLIMER DENGAN AGREGAT DARI BATU APUNG DAN SERAT KULIT JAGUNG SEBAGAI FILLER

AWAN MAGHFIRAH , LUKMAN HAKIM

Community Services

2024

Ipteks Bagi Masyarakat

MODIFIKASI MESIN GILING DAGING MENJADI MESIN PRODUKSI KUE UNTUK KEPERLUAN HOME INDUSTRI DI KABANJAHE

Dr. KERISTA TARIGAN, M.Eng.Sc. , KURNIA BRAHMANA , AWAN MAGHFIRAH , LUKMAN HAKIM , RONALD MARINGAN SINAGA , THERESIA MEGARANI , RENDY GINTING , NAEL REJEKI BINTANG

2024

Ipteks Bagi Masyarakat

PEMANFAATAN ENERGY MATAHARI MENGGUNAKAN SOLAR PANEL 80 WP

SEBAGAI ENERGY LISTRIK POMPA AIR DC 12V UNTUK KEPERLUAN HOME INDUSTRI DI KABANJAHE

KURNIA BRAHMANA , AWAN MAGHFIRAH

2023

Sosialisasi Fakultas Vokasi Dalam Rangka Menjelang Seleksi Mahasiswa Baru

GUSTANTO , AGUNG PRATAMA , NUR'AINI , HOTLAN SIAHAAN , JUNEDI GINTING , ENITA DEWI BR TARIGAN , MUHAMMAD HUSNI THAMRIN , AWAN MAGHFIRAH , ALBERT PASARIBU , LUKMAN HAKIM

2023

Ipteks Bagi Masyarakat

Teknologi Filter Air Dan Instalasi Untuk Air Berkarat dan Keruh Menggunakan Sensor TDS

AWAN MAGHFIRAH , LUKMAN HAKIM

2022

Ipteks Bagi Masyarakat

Peningkatan Kualitas Tempe menggunakan inkubator Tempe Otomatis dan Sumber Listrik dari Surya Listrik Pengrajin Tempe di Tanjung Sari Medan

MARHAPOSAN SITUMORANG , AWAN MAGHFIRAH , LUKMAN HAKIM
