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Reisya Ichwani, S.Si., M.Sc., Ph.D., is a lecturer in the Undergraduate Program in Mechanical Engineering at the Universitas Sumatera Utara with a Bachelor of Science in Chemistry from Universitas Sumatera Utara, a Master of Science in Material Science and Engineering from Worcester Polytechnic Institute, and a Ph.D in Mechanical and Materials Engineering from Worcester Polytechnic Institute. She has more than 6 years of research experience in the semiconductor field, particularly in thin-film device fabrication and semiconductor characterization. Reisya is known as a diligent, creative lecturer who has strong interpersonal communication skills with cross-disciplinary collaborators and is committed to contributing to the development of materials technology and Mechanical Engineering education at USU.

Publications

2025

Jurnal internasional bereputasi

Effect of iron content and warm compaction temperature on microstructure evolution and characteristics of the Cu-Ni-xFe based alloys

SUPRIANTO , SUHERMAN , Fajar Pratama Maulana , SIGIT BUDI PRASETYO , REISYA ICHWANI , M. SABRI

2023

Jurnal internasional bereputasi

Using machine learning for prediction of spray coated perovskite solar cells efficiency: From experimental to theoretical models

REISYA ICHWANI

2024

Jurnal internasional bereputasi

Interfacial Fracture of Perovskite Light Emitting Devices

REISYA ICHWANI , O. K. Oyewole , W. O. Soboyejo , J. Adjah , J. Cromwell

2026

Jurnal internasional bereputasi

PVDF composites reinforced by dispersed Al₂O₃ particles for thermally and mechanically stable separators in lithium-ion battery

REISYA ICHWANI , ADE IRWAN , FADLY AHMAD KURNIAWAN NASUTION , MUHAMMAD GILANG HUSNI LUBIS , MUHAMMAD AMIR YUSUF HARAHAP , M. SABRI , SUPRIANTO

Researches

2024

Penelitian Dana Lokal Perguruan Tinggi

Analisa korosi sarang Semut pada pipa tembaga

HENDRIK VOICE SIHOMBING , REISYA ICHWANI , RIKY STEPANUS SITUMORANG

2024

Penelitian Dana Lokal Perguruan Tinggi

Studi Antar Muka Material pada Perovskite Solar Cell

REISYA ICHWANI , RIKY STEPANUS SITUMORANG

Community Services

2025

Rancang Bangun Tungku Non Asap untuk Peningkatan Produksi Air Minum yang Dimasak (AMD) di UMKM Beringin Water Kabupaten Langkat

FADLY AHMAD KURNIAWAN NASUTION , REISYA ICHWANI , ANDIANTO PINTORO , ADE IRWAN , MUHAMMAD AMIR YUSUF HARAHAP , MUHAMMAD GILANG HUSNI LUBIS

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3D Printing Technology Dalam Mencetak Nanokomposit Elektrolit Berbasis Polimer-Keramik Untuk Baterai Li-ion

M. SABRI , ADE IRWAN , SUPRIANTO , REISYA ICHWANI , FADLY AHMAD KURNIAWAN NASUTION
