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Publications

2026
Artikel ilmiah

Design and Construction of a Seawater Battery as a Lighting Source for Small-Scale Fishermen at Sea

ARMAN SANI , MUHAMMAD ZULFIN , RAHMAD FAUZI , MUHAMMAD RAZALI , INDAH VUSVITA SARI

2025
Artikel ilmiah

Design and Construction of a Seawater Battery as a Lighting Source for Small-Scale Fishermen at Sea

ARMAN SANI , MUHAMMAD ZULFIN , RAHMAD FAUZI , MUHAMMAD RAZALI , INDAH VUSVITA SARI

2023
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Analysis of Several Quantum Encoding Methods Implemented on A Quantum Circuit Architecture to Improve Classification Accuracy

MUHAMMAD ZARLIS , RAHMAD FAUZI , HERMAN MAWENGKANG , POLTAK SIHOMBING

2020
Prosiding seminar internasional

Remote Holder Design for Controlling the Air Conditioner System

RAHMAD FAUZI , SUHERMAN , RISWAN DINZI

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Design and analysis of the LDR-controlled device

RAHMAD FAUZI , SUHERMAN , RISWAN DINZI

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SUHERMAN , RAHMAD FAUZI , RISWAN DINZI

2019
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Crossbar switch module implementation for laboratory purpose

SUHERMAN , RAHMAD FAUZI , ARMAN SANI

Researches

2026
Penelitian Dosen Pemula

PENGEMBANGAN SISTEM MONITORING PM2.5 BERBASIS IOT DENGAN KOMUNIKASI WI-FI/LORA DAN DASHBOARD BERBASIS LOKASI PADA LINGKUNGAN KAMPUS

BAIHAQI SIREGAR , MUHAMMAD ATQA ADZKIA ZALDI , RAHMAD FAUZI

2026
Hibah HI-LINK

PENGEMBANGAN SISTEM MONITORING PM2.5 BERBASIS IOT DENGAN KOMUNIKASI WI-FI/LORA DAN DASHBOARD BERBASIS LOKASI PADA LINGKUNGAN KAMPUS

BAIHAQI SIREGAR , RAHMAD FAUZI

2019
Penelitian Fundamental

IDENTIFIKASI DAN PERANCANGAN SISTEM KENDALI ROBOT MITSUBISHI MOVEMASTER RV-M1 MENGGUNAKAN MIKROKONTROLLER ESP32

M. SABRI , RAHMAD FAUZI

Community Services

2025
Ipteks Bagi Masyarakat

Sosialisasi tentang kecerdasan pada siswa-siswi SMAN 3 Kecamatan Medan Barat - Medan

EMILIA KADRENI , BUSTAMI SYAM , RAHMAD FAUZI , MUHAMMAD ASWIN , ALMIRA AZMI RAMBE , DIAN RAHMAYANI SIREGAR , MARSYALIA CHAIRUNISYA DAULAY , ANDRE FADLY GINTING , BAGAS ADITYA PUTRA POS-POS , RAISSA AURELLIA , DZAKWAN RAFIF BUGIS

2024

Sosialisasi tentang bencana pada siswa/siswi SDIT Nurul Ilmi, Kec. Percut Sei Tuan - Deli Serdang

EMILIA KADRENI , BUSTAMI SYAM , RAHMAD FAUZI , MUHAMMAD ASWIN

2024

Pemasangan Sensor Kendali Level Air Otomatik pada Tandon Air Dalam Upaya Menghemat Pemakaian Energi Listrik dan Penggunaan Air di Mesjid Syahiratul A'maal Dusun XVII, Desa Bandar Khalipah, Kec. Percut Sei Tuan, Kab.Deli Serdang

RAJA HARAHAP , SURYA HARDI , MUHAMMAD ZULFIN , ARMAN SANI , RAHMAD FAUZI , HENDRA ZULKARNAIN

2023
Penelitian Dosen Pemula

Perencanaan Pembangkit Listrik Piko Berbasis Magnet Motor pada Ma'had Tahfidz Yatim Dhuafa Kitabina Desa Sayum Sabah Deli Serdang

RAJA HARAHAP , SURYA HARDI , SYAFRUDDIN HS , RAHMAD FAUZI