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Ir. Naemah Mubarakah, S.T., M.T. is a lecturer in Multimedia Telecommunication Engineering at Universitas Sumatera Utara. She completed a Master's Program in Electrical Engineering at the Faculty of Industrial Technology of Institut Teknologi Sepuluh Nopember (ITS) in 2009.

Publications

2018

Tulisan ilmiah

Energy-signal quality trade-offs in a WiMAX mobile station with a booster amplifier

NAEMAH MUBARAKAH , SUHERMAN

2013

Jurnal internasional bereputasi

Performance of Subcarrier and Power Allocation OFDM on Millimeter Wave

NAEMAH MUBARAKAH

2019

Tulisan ilmiah

Fiber Optic Trainer for Link Budget Measurement Tool in Optical Communication System

SOEHARWINTO , NAEMAH MUBARAKAH

2019

Tulisan ilmiah

Optimization of Hybrid Renewable Energy in Malaysia Remote Rural Area Using HOMER Software

NAEMAH MUBARAKAH

2021

Tulisan ilmiah

Simulation of Heat Transfer Characteristics on Palm Oil as Electrical Insulating Material Using Finite Difference Method

NAEMAH MUBARAKAH

2023

Jurnal internasional bereputasi

Protection coordination analysis applied at biogas power generation plant

YULIANTA SIREGAR , RISWAN DINZI , NAEMAH MUBARAKAH

2025

Jurnal internasional bereputasi

Target image validation modeling using deep neural network algorithm.

NAEMAH MUBARAKAH

2020

Prosiding seminar internasional

Node-based versus Server-based Data Validations in Internet of Things

SUHERMAN , SOEHARWINTO , NAEMAH MUBARAKAH

2024

Prosiding seminar internasional

Simulation Investigation of Solar PV Rooftop Design at Faculty of Engineering-Universiti Malaysia Sarawak Building, Malaysia

NAEMAH MUBARAKAH

2015

Jurnal internasional bereputasi

A transport layer protocol for uplink WiMAX video streaming

NAEMAH MUBARAKAH , SUHERMAN

2018

Tulisan ilmiah

Wifi-friendly building, enabling wifi signal indoor: An initial study

SUHERMAN , NAEMAH MUBARAKAH

2024

Prosiding seminar internasional

Monitoring and Control System Design Smart Greenhouse Environmental Conditions in Strawberry Cultivation

KASMIR TANDJUNG , SOEHARWINTO , NAEMAH MUBARAKAH

2020

Prosiding seminar internasional

Point to point communication link design by using optical DWDM network

NAEMAH MUBARAKAH , SUHERMAN

2017

Tulisan ilmiah

Reducing mobile device energy consumption in transmitting multimedia content by arranging transport

NAEMAH MUBARAKAH , SUHERMAN

2023

Prosiding seminar internasional

Optimization Design of Grounding System Substation With Multilayer Soil Model

NAEMAH MUBARAKAH , YULIANTA SIREGAR , EMERSON PASCAWIRA SINULINGGA , RISWAN DINZI

2024

Prosiding seminar internasional

Design and Construction of an Automatic Power Factor Improvement Monitoring System in Household Electrical Systems Based on The Internet of Things

RISWAN DINZI , NAEMAH MUBARAKAH , YULIANTA SIREGAR

2018

Jurnal internasional bereputasi

State and duration model of energy consumption in a WiMAX mobile device

NAEMAH MUBARAKAH , SUHERMAN

2020

Prosiding seminar internasional

Software engineering taxonomy reviews

SOEHARWINTO , NAEMAH MUBARAKAH

2024

Jurnal internasional bereputasi

Dynamic voltage restorer performance analysis using fuzzy logic controller and battery energy storage system for voltage sagging

NAEMAH MUBARAKAH

2019

Tulisan ilmiah

Design and Realization of Biquad Microstrip Antenna at 2.4 GHz Frequency

for WLAN

ARMAN SANI , NAEMAH MUBARAKAH

2024

Prosiding seminar internasional

Simulation Investigation of Rolling Sphere Method as Lightning Protection System for Buildings Using AutoCAD - 3D Lightning Software

NAEMAH MUBARAKAH

2023

Jurnal internasional bereputasi

Dynamic voltage restorer quality improvement analysis using particle swarm optimization and artificial neural networks for voltage sag mitigation

NAEMAH MUBARAKAH , YULIANTA SIREGAR , MAULAYA MUHAMMAD , RISWAN DINZI , SOEHARWINTO

2025

Artikel ilmiah

The Impact of Varying Batch Sizes on The Deep Neural Network Algorithms Performance

NAEMAH MUBARAKAH , FAHMI , POLTAK SIHOMBING , SYAHRIL EFENDI

2025

Jurnal internasional bereputasi

Simulation Investigation On Heat Transfer Characteristics Of Palm-Based Oil As Biodegradable Dielectric For Power Transformer Oil Application Using Quickfield Software

NAEMAH MUBARAKAH , Yanuar Zulardiansyah Arief

2024

Jurnal internasional bereputasi

Classification of Human Concentration Levels Based on Electroencephalography Signals

NAEMAH MUBARAKAH , BAIHAQI SIREGAR , SENIMAN , FAHMI

2024

Prosiding seminar internasional

Simulation Investigation of Rolling Sphere Method as Lightning Protection System for Buildings Using AutoCAD-3D Lightning Software

NAEMAH MUBARAKAH

2013

Jurnal internasional bereputasi

Performance of subcarrier and power allocation orthogonal frequency-division multiplexing on millime

NAEMAH MUBARAKAH

2018

Tulisan ilmiah

Radio-Friendly Building for Efficient Signal Distribution

SUHERMAN , FAHMI , NAEMAH MUBARAKAH

2019

Prosiding seminar internasional

Various layer techniques to improve video transmission on 20 GHz radio link in a rainy environment

NAEMAH MUBARAKAH , SUHERMAN

2020

Tulisan ilmiah

Comparison study of user experience between virtual reality controllers, leap motion controllers, and senso glove for anatomy learning systems in a virtual reality environment

FAHMI , BAIHAQI SIREGAR , NAEMAH MUBARAKAH

2019

Jurnal internasional bereputasi

Smart Home Security Design Applying One Time PAD Algorithm

SOEHARWINTO , NAEMAH MUBARAKAH , SYAHRIL EFENDI , GUNAWAN , ARIF RIDHO LUBIS , DENY JOLLYTA

2023

Jurnal internasional bereputasi

Electrostatic precipitator design with wire-cylinder electrodes as a particulate matter reduction

YULIANTA SIREGAR , Bio Debataraja , RISWAN DINZI , NAEMAH MUBARAKAH , SOEHARWINTO

2023

Prosiding seminar internasional

Optimization Design of Grounding System Substation With Multilayer Soil Model (Case Study: 275 kV Nagan Raya Substation)

RISWAN DINZI , YULIANTA SIREGAR , NAEMAH MUBARAKAH , EMERSON PASCAWIRA SINULINGGA

2018

Tulisan ilmiah

Energy consumption model on WiMAX subscriber station

NAEMAH MUBARAKAH , SUHERMAN

2018

Prosiding seminar internasional

Supercapacitor performance evaluation in replacing battery based on charging and discharging current characteristics

ARMAN SANI , NAEMAH MUBARAKAH , SUHERMAN

2019

Tulisan ilmiah

Smart Home Security Design Applying One Time PAD Algorithm

SOEHARWINTO , NAEMAH MUBARAKAH

2021

Prosiding seminar internasional

Development of Micro Hydro Power Plant Prototype as A Field Laboratory for Educational and Research Purposes

NAEMAH MUBARAKAH

2020

Tulisan ilmiah

Model of grid-connected PV system in Sarawak, Malaysia Rural Area

NAEMAH MUBARAKAH

2024

Jurnal internasional bereputasi

Classification of Human Concentration Levels Based on Electroencephalography Signals

NAEMAH MUBARAKAH

2017

Tulisan ilmiah

UDP-lite enhancement through checksum protection

NAEMAH MUBARAKAH

2013

Jurnal internasional bereputasi

Performance of Subcarrier and Power Allocation Orthogonal Frequency-Division Multiplexing on Millimeter Wave

NAEMAH MUBARAKAH

2022

Tulisan ilmiah

Prototype An ESP32-Based Room Humidity and Temperature Controller With IoT

SOEHARWINTO , NAEMAH MUBARAKAH

2018

Minimizing energy consumption on mobile phone by rearranging transport protocol load

SUHERMAN , NAEMAH MUBARAKAH

Researches

2023

Pengembangan Desain Sistem Proteksi pada Distributed Generation dari Pembangkit Listrik dengan Sumber Energi Terbarukan

RISWAN DINZI , YULIANTA SIREGAR , NAEMAH MUBARAKAH

2021

Model Prediksi Pola Sinyal Otak Manusia pada Pekerjaan Multitasking

BAIHAQI SIREGAR , NAEMAH MUBARAKAH

2013

Penelitian Hibah Bersaing

Metode Penggabungan MAC-Physical Layer untuk Jaringan Wireless Downlink OFDM Pad

FAKHRUDDIN RIZAL BATUBARA , SOEHARWINTO , NAEMAH MUBARAKAH

2014

Penelitian Hibah Bersaing

Metode Penggabungan MAC-Physical Layer untuk Jaringan Wireless Downlink OFDM Pad

YULIANTA SIREGAR , ARMAN SANI , NAEMAH MUBARAKAH

Community Services

2018

Pelatihan Pengontrolan Beban Listrik Menggunakan Arduino Untuk Siswa SMK Negeri 1 Merdeka Berastagi

MUHAMMAD ZULFIN , SUHERMAN , ARMAN SANI , FAHMI , NAEMAH MUBARAKAH

2015

Pelatihan Simulator NS-2

SUHERMAN , ARMAN SANI , NAEMAH MUBARAKAH

2019

Pelatihan Pembuatan Alat Kejernihan Air Tanah Menggunakan Sensor dan Arduino untuk Siswa SMK

SOEHARWINTO , EMERSON PASCAWIRA SINULINGGA , EDI WARMAN , KASMIR TANDJUNG , NAEMAH MUBARAKAH

2024

PEMANFAATAN ENERGI MATAHARI DENGAN MENGGUNAKAN SOLAR CELL UNTUK PENERANGAN LAMPU JALAN PADA DESA LINGGA, KECAMATAN SIMPANG EMPAT, KABUPATEN KARO, SUMATERA UTARA

YULIANTA SIREGAR , MUHAMMAD SAFRIL , EMERSON PASCAWIRA SINULINGGA , NAEMAH MUBARAKAH

2015

Peningkatan Kualitas Manajemen Informasi Laboratorium Berbasis Website

ZULKARNAEN PANE , SYISKA YANA , FAHMI , NAEMAH MUBARAKAH

2023

INSTALASI PEMBANGKIT LISTRIK PICO HYDRO MENGGUNAKAN TURBIN CROSS-FLOW

RISWAN DINZI , YULIANTA SIREGAR , HASDARI HELMI RANGKUTI , MUHAMMAD SAFRIL , NAEMAH MUBARAKAH

