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*Arman Sani, born in Medan on November 28, 1963, is an Electrical Engineering lecturer at Universitas Sumatera Utara. He completed his Master of Engineering degree in the Electrical Engineering Study Program, Faculty of Industrial Technology, Bandung Institute of Technology (ITB), in 1998. He was awarded the Best Lecturer of FT USU in 2017 at the IKAFT USU FOR NATION event.*

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## Publications

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2020

Prosiding seminar internasional

### **Microstrip slot-U rectangular antenna implementation for broadcasting TV receiver**

ARMAN SANI , SUHERMAN

2023

Jurnal nasional

### **ANALISIS PENGARUH BENTUK GELOMBANG ULTRASONIK TERHADAP EFEKTIVITAS ALAT PENGUSIR TIKUS**

ARMAN SANI , MUHAMMAD RAZALI

2018

Prosiding seminar internasional

### **Multistage switching hardware and software implementations for student experiment purpose**

ARMAN SANI

2019

Prosiding seminar internasional

### **Comparing web and mobile based power consumptions of Whatsapp applications**

SUHERMAN , ARMAN SANI

2018

Prosiding seminar internasional

### **Design and Realization of Biquad Microstrip Antenna at 2.4 GHz Frequency for WLAN**

ARMAN SANI

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

2019

Prosiding seminar internasional

### **Experimental studies of the characteristics of the commercial thermoelectric sensor for heat energy harvesting**

ARMAN SANI

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2019

Tulisan ilmiah

## **Comparing web and mobile based power consumptions of Whatsapp applications**

ARMAN SANI , SUHERMAN

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2019

Prosiding seminar internasional

## **Impact video properties to video transmission performances**

ARMAN SANI , SUHERMAN , SUHERMAN

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2020

Prosiding seminar internasional

## **Microstrip slot-U rectangular antenna implementation for broadcasting TV receiver**

ARMAN SANI , SUHERMAN

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2019

Prosiding seminar internasional

## **Impact video properties to video transmission performances**

ARMAN SANI , SUHERMAN

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2026

Prosiding seminar internasional

## **The Relationship between Tag Values and Redundant Paths in Gamma Networks**

MUHAMMAD ZULFIN , MAKSUM PINEM , RAJA HARAHAP , ARMAN SANI , RAHMAD FAUZI , FAHMI RINALDI , MUHAMMAD RAZALI

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2020

Prosiding seminar internasional

## **Microstrip array design and implementation for WiFi external antenna**

SUHERMAN , ARMAN SANI

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2018

Prosiding seminar internasional

## **Measuring the commercial solar panel performance**

ARMAN SANI

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2017

Jurnal nasional

## **PERANCANGAN ANTENA YAGI-UDA FREKUENSI 433 MHz UNTUK STASIUN PENERIMA RADIOSONDE DENGAN TEKNIK FRAKTAL MODEL KURVA MINKOWSKI**

ARMAN SANI

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2018

Prosiding seminar internasional

## **Minimizing yagi-uda radiosonde receiver antenna size using minkowski curve fractal model**

ARMAN SANI

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2014

Jurnal nasional

## **Analisis kualitas real time video streaming terhadap bandwidth jaringan yang tersedia**

ARMAN SANI

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2019

Prosiding seminar internasional

## **Crossbar switch module implementation for laboratory purpose**

SUHERMAN , RAHMAD FAUZI , ARMAN SANI

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2019

Prosiding seminar internasional

## **Experimental studies of the characteristics of the commercial thermoelectric**

## sensor for heat energy harvesting

EDDY WARMAN , SUHERMAN , ARMAN SANI

2020

Prosiding seminar internasional

### Microstrip array design and implementation for WiFi external antenna

SUHERMAN , ARMAN SANI

2017

Jurnal nasional

### PERANCANGAN ANTENA YAGI-UDA FREKUENSI 433 MHz UNTUK STASIUN PENERIMA RADIOSONDE DENGAN TEKNIK FRAKTAL MODEL KURVA MINKOW...

ARMAN SANI

2019

Prosiding seminar internasional

### The Impact of Buffer Queue Interface Size to the 802.11 Ad Hoc Network Performances

ARMAN SANI

## Researches

2022

Penelitian Dosen Pemula

### ANALISIS PENGARUH LUASAN SHADING TERHADAP DAYA KELUARAN DAN MATERIAL PADA SOLAR PANEL MONO DAN POLI CRYSTALLINE

MUHAMMAD ZULFIN , ARMAN SANI , MUHAMMAD SAFRIL , ALWI HAFIZAN RIZAL , IRVAN NATANAEL NAIBAHO , Akbar Noor El Islam

## Community Services

2023

Ipteks Bagi Masyarakat

### Pengukuran Intensitas Penerangan dan Pemilihan Bola Lampu Listrik Pada Ruang Belajar Dalam Upaya Mengurangi Kelelahan Mata Siswa Saat Belajar Dalam Kelas

MUHAMMAD ZULFIN , ARMAN SANI

2023

Ipteks Bagi Masyarakat

### Pengukuran Intensitas Penerangan dan Pemilihan Bola Lampu Listrik Pada Ruang Belajar Dalam Upaya Mengurangi Kelelahan Mata Siswa Saat Belajar Dalam Kelas

SHEYLIN WIMORA LUMBAN TOBING , MUHAMMAD ZULFIN , SYISKA YANA , ARMAN SANI , RAHMAD FAUZI

2025

Ipteks

### Rancang Bangun Website Sistem Penyebaran Informasi Kegiatan Masjid Al-Rasyid Dusun XVI, Desa Bandar Khalipah, Kecamatan Percut Sei Tuan, Kabupaten Deli Serdang

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

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

# **Rancang Bangun Website Sistem Penyebaran Informasi Kegiatan Masjid Al-Rasyid Dusun XVI, Desa Bandar Khalipah, Kecamatan Percut Sei Tuan, Kabupaten Deli Serdang**

RAJA HARAHAHAP , SURYA HARDI , MUHAMMAD ZULFIN , ARMAN SANI , HENDRA ZULKARNAIN

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