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## Publications

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2025

Prosiding seminar internasional

### **Sleep Health Classification Based on Digital Device Usage and Lifestyle Behavior Using Machine Learning**

INSIDINI FAWWAZ , ANANDHINI MEDIANTY NABABAN , RINA ANUGRAHWATY , LOIS PRANATA SEMBIRING

2025

Jurnal nasional terakreditasi

### **Intelligent Actuator Control in Smart Agriculture through Machine Learning and Sensor Data Integration**

INSIDINI FAWWAZ , FADHILLAH AZMI , AMIR SALEH , RINA ANUGRAHWATY

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### **Intelligent Actuator Control in Smart Agriculture through Machine Learning and Sensor Data Integration**

AMIR SALEH , FADHILLAH AZMI , INSIDINI FAWWAZ , RINA ANUGRAHWATY

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### **Implementasi Metode Rule-Based dalam Sistem Pakar Pemilihan Program Studi Menggunakan Bahasa Prolog**

INSIDINI FAWWAZ , SHARFINA FAZA , ADE RIZKA , MERYATUL HUSNA , RINA ANUGRAHWATY

2024

Artikel ilmiah

### **Improvement of Face Recognition Algorithm in Smart Home Security System**

RUSDIANTO , ABDUL GHOFIR , INSIDINI FAWWAZ

2023

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### **The Optimization of CNN Algorithm Using Transfer Learning for Marine Fauna Classification**

BAYU ANGGA WIJAYA , INSIDINI FAWWAZ , YENNIMAR , N.PRIYA DHARSHINNI

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Artikel ilmiah

### **Implementation of Transfer Learning in CNN for Classification of Nut Type**

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### **WEBSITE-BASED LIBRARY DATA PROCESSING DESIGN**

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### **Classification of Beetle Type Using The Convolutional Neural Network**

## Algorithm

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### **Improvement Of Digital Image Using A Combination Of Alpha Trimmed Mean Filter And Arithmetic Mean Filter**

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### **IMPROVEMENT OF DIGITAL IMAGE USING A COMBINATION OF ALPHA TRIMMED MEAN FILTER AND ARITHMETIC MEAN FILTER**

INSIDINI FAWWAZ , N.PRIYA DHARSHINNI

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### **Implementation Of Data Security Using Hill Cipher Algorithm**

INSIDINI FAWWAZ , N.PRIYA DHARSHINNI

2021

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### **Perbandingan Deteksi Tepi Citra Menggunakan Operator Robert,Canny,dan Frei Chen Pada Citra Bitmap dan JPEG**

N.PRIYA DHARSHINNI , INSIDINI FAWWAZ

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### **Design of Parking Control Using Ultrasonic Sensor Based On Fuzzy Logic**

INSIDINI FAWWAZ , N.PRIYA DHARSHINNI , FADHILLAH AZMI

2019

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### **Design of Water Level Detection Using Ultrasonic Sensor Based On Fuzzy Logic**

INSIDINI FAWWAZ , FADHILLAH AZMI , N.PRIYA DHARSHINNI

2019

Prosiding seminar internasional

### **Noise effect analysis on edge detection in detecting digits with bilateral filter**

FADHILLAH AZMI , N.PRIYA DHARSHINNI , INSIDINI FAWWAZ

2019

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### **Noise effect analysis on edge detection in detecting digits with bilateral filter**

FADHILLAH AZMI , INSIDINI FAWWAZ , N.PRIYA DHARSHINNI

## Researches

2021

Penelitian Dana Lokal Perguruan Tinggi

### **Kendala Moodle Web Based Learning Terhadap Minat Belajar Mahasiswa Menggunakan Algoritma C4.5 Selama Pandemi Covid-19**

INSIDINI FAWWAZ , N.PRIYA DHARSHINNI

2019

Penelitian Dosen Pemula

### **RANCANG BANGUN WATER LEVEL DETECTION DENGAN SESNSOR ULTRASONIK BERBASIS FUZZY LOGIC**

JUANDA HAKIM LUBIS , INSIDINI FAWWAZ , FADHILLAH AZMI

2019

Penelitian Dosen Pemula

### **RANCANG BANGUN PARKING CONTROL DENGAN SESNSOR ULTRASONIK**

## Community Services

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2024

### **Pengembangan Web Company Profile Sebagai Upaya Pengabdian Kepada Masyarakat Di PT. Hamim Technology Indonesia**

INSIDINI FAWWAZ

2024

Ipteks

### **Pelatihan Rekam Medis Elektronik yang Terintegrasi SATUSEHAT**

JULIANSYAH PUTRA TANJUNG , ARIF HAMIED NABABAN , INSIDINI FAWWAZ , BAYU ANGGA WIJAYA , N.PRIYA DHARSHINNI

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Ipteks Bagi Masyarakat

### **Implementasi Infrastruktur Jaringan Komputer dengan Media Nirkabel**

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### **Evaluasi Bisnis Model menggunakan Metode Business Model Canvas pada UD. Percetakan Pustaka Timur**

ARIF HAMIED NABABAN , INSIDINI FAWWAZ , N.PRIYA DHARSHINNI

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### **Pemanfaatan Technopreneurship Dalam Bidang E-Commerce**

MARLINCE NOVITA K.NABABAN , EVTA INDRA , SITI AISYAH , OLOAN SIHOMBING , SAUT PARSAORAN TAMBA , JULIANSYAH PUTRA TANJUNG , INSIDINI FAWWAZ , BAYU ANGGA WIJAYA , YENNIMAR , WINDANIA PURBA , SAUT DOHOT SIREGAR , DELIMA SITANGGANG , SUMITA WARDANI , N.PRIYA DHARSHINNI , JEPRI BANJARNAHOR , YONATA LAIA , SRI WAHYUNI

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Ipteks Bagi Masyarakat

### **Pelatihan Dasar Pembuatan Website**

JULIANSYAH PUTRA TANJUNG , INSIDINI FAWWAZ , BAYU ANGGA WIJAYA , YENNIMAR , N.PRIYA DHARSHINNI

2021

### **Pelatihan Pengembangan Video Pembelajaran Menggunakan Aplikasi Powtoon Untuk Meningkatkan Minat Belajar siswa**

INSIDINI FAWWAZ , AMIR SALEH

2020

### **Pelatihan Aplikasi Sitem Finger Print untuk Absensi Pegawai**

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### **Sistem Pengolahan Pesan Spam Bahasa Indonesia Dengan DeteksiDan Koreksi Kata Tidak Baku**

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2026

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### **Buku Analisis dan Perancangan Sistem Informasi**

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2025

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# Buku Kecerdasan Komputasional: Konsep, Metode, dan Implementasi

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## Pemrograman Mobile dengan Flutter

N.PRIYA DHARSHINNI , BAYU ANGGA WIJAYA , INSIDINI FAWWAZ , JULIANSYAH PUTRA TANJUNG

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