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Mr. Handrizal, SSi., M.Comp.Sc. born in Pariaman on June 13, 1977. In 2003 he completed his bachelor degree in mathematics at Universitas Sumatera Utara (USU) Medan and in 2011 he completed his master degree in Computer Science at Universiti Malaysia Pahang (UMP) Malaysia, currently he is finishing his doctorate in Computer Science at Universitas Sumatera Utara (USU) Medan.

In 2017 he joined the Computer Science undergraduate study program at Universitas Sumatera Utara as a permanent lecturer and was trusted as an internal auditor at Unit Manajemen Mutu Universitas Sumatera Utara from 2017 to 2021.

The advice that Mr. Handrizal always remembers in his career so far is "Make it easy for other people's affairs, then Allah SWT will make things easier for you in this world and in the hereafter".

Publications

2026
Prosiding seminar internasional

A Multi-objective Orchestration Framework for Balancing Latency and Carbon Emissions in SDN Backbone Networks

HANDRIZAL , HERRIYANCE

2026
Prosiding seminar internasional

Reciprocal Interaction Modeling and Community- Based Influence Measurement in Large Twitter Networks Using the Leiden and Louvain Algorithms

AINUL HIZRIADI , HANDRIZAL

2025
Jurnal internasional bereputasi

EcoRouting: Carbon-Aware Path Optimization in Green Internet Architectures

HERRIYANCE , AMER SHARIF , HANDRIZAL

2025
Buku referensi

Pengantar Komputasi Paralel dan Terdistribusi dengan Penerapan Machine Learning

ELVIWANI , MUHAMMAD ZARLIS , HANDRIZAL , POLTAK SIHOMBING

2024
Jurnal internasional bereputasi

Penentuan Tempat Evakuasi Korban Bencana Gempa dengan Metode Analytical Hierarchy Process (AHP) dan Višekriterijumsko Kompromisno Rangiranje (VIKOR)(Studi Kasus: Kota Medan)

HANDRIZAL , FAUZAN NURAHMADI

2024
Jurnal internasional bereputasi

A HYBRID APPROACH COMBINING LONG SHORT-TERM MEMORY AND RANDOM FOREST FEATURE SELECTION FOR NETWORK INTRUSION DETECTION

FAUZAN NURAHMADI , HANDRIZAL

2024
Jurnal internasional bereputasi

Palm Oil Production Prediction Using Long Shortterm Memory Method

DEWI SARTIKA BR GINTING , HANDRIZAL , HERRIYANCE

2024
Prosiding seminar internasional

Mask detection at Pubbarama Buddhist center using enviroment of Mobilenet-SSD

SRI MELVANI HARDI , HANDRIZAL

2024
Prosiding seminar internasional

Technique for order of preference by similarity to ideal solution (TOPSIS) method and Mapbox API for barbershop selection in medan

DEWI SARTIKA BR GINTING , HANDRIZAL

2024
Prosiding seminar internasional

Analysis of Potential Hazards at the Sea With Artificial Neural Network And Accident Prevention With SOS Smart System Innovation

DEWI SARTIKA BR GINTING , MUHAMMAD FAJRI AL BANNA , HANDRIZAL , T.HENNY FEBRIANA HARUMY

2024
Prosiding seminar internasional

Mask detection at Pubbarama Buddhist center using enviroment of Mobilenet-SSD

SRI MELVANI HARDI , HANDRIZAL

2024
Prosiding seminar internasional

Determining investment priority in SMEs of medan city using analytical hierarchy process and technique for order preference by similarity to ideal solution

DEWI SARTIKA BR GINTING , HANDRIZAL

2024
Jurnal internasional bereputasi

Multi-Objective Method Combination Analysis Optimization on the Basis on Ration Analysis (MOORA) and Best First Search Algorithm In The Selection of Obstetrician and Gynecology Practices

FAUZAN NURAHMADI , HANDRIZAL

2024
Jurnal internasional bereputasi

Combination of Case-Based Reasoning and Certainty Factor for Detection of Baby Blues Syndrome

DESILIA SELVIDA , HANDRIZAL

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Jurnal internasional bereputasi

Comparison of Outstanding Employee Selection at Benu Coffee Roaster Using Brown-Gibson and Simple Additive Weighting (SAW) Methods

HERRIYANCE , HANDRIZAL

2023
Jurnal internasional bereputasi

Securing and Compressing Text Files using The AES 256 Algorithm and Levenstein Code

FAUZAN NURAHMADI , HANDRIZAL

2023
Jurnal internasional bereputasi

Sentiment Analysis Based on 7p Marketing Mix Aspects of The Indriver

Application Service Using The Bert Algorithm, Based on User Reviews on The Google Play Store

T.HENNY FEBRIANA HARUMY , HERRIYANCE , HANDRIZAL

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Jurnal internasional bereputasi

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HANDRIZAL , ANANDHINI MEDIANTY NABABAN

2023
Jurnal internasional bereputasi

Analysis of Best First Search and Forward Chaining Algorithm on Diagnosis System of Broiler Chicken Diseases

FAUZAN NURAHMADI , HANDRIZAL

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Jurnal internasional bereputasi

Comparison of Stout Code and Fibonacci Code Algorithm for File Compression Based on Android

T.HENNY FEBRIANA HARUMY , HANDRIZAL

2021
Jurnal nasional terakreditasi

Pengamanan Pesan Menggunakan Metode MLSB PRNG dan Kompresi File dengan Algoritma RLE pada File Audio

HANDRIZAL

2020
Jurnal internasional bereputasi

Comparison of steepest ascent hill climbing algorithm and best first search algorithm in determining the shortest route for medan tourism

DIAN RACHMAWATI , HANDRIZAL

Researches

2025
Ipteks

Sistem Klasifikasi Tanaman Air Berdasarkan Kebutuhan Cahaya,CO2 serta Penempatan Tanaman pada Aquascape Menggunakan Citra Digital Dengan Pendekatan Deep Learning

SRI MELVANI HARDI , HANDRIZAL

2025
Ipteks

Sistem Identifikasi Kebutuhan Cahaya Tanaman Air Aquascape Pada Citra Digital Menggunakan Deep Learning-Proposal Usulan Penelitian Terapan - Sri Melvani Hardi_

SRI MELVANI HARDI , HANDRIZAL , ANANDHINI MEDIANTY NABABAN , ALVIAN

2022

Inovasi Smart System â€œSOSâ€œ & Pencarian Lokasi Layanan Kesehatan Terdekat Berbasis Artificial Intelligence Protis Neural Network Untuk Peningkatan Kualitas Keselamatan Dan Kesehatan Masyarakat Pesisir

T.HENNY FEBRIANA HARUMY , DEWI SARTIKA BR GINTING , HANDRIZAL

Community Services

2026

Pembuatan Software Aplikasi Antrian Mobil Pada Doorsmeer Hidrolik Saham Berkah Dengan Konsep Antrian Sistem Operasi

SARAH PURNAMAWATI , FAUZAN NURAHMADI , HERRIYANCE , HANDRIZAL , POLTAK SIHOMBING

2023
Ipteks Bagi Masyarakat

Pengenalan Aplikasi IQRO Bersuara Berbasis Android pada sekolah Taman Kanak-Kanak TADIBIYAH Marindal

T.HENNY FEBRIANA HARUMY , HERRIYANCE , HANDRIZAL

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2026
Hak cipta nasional

Program Komputer Penerapan Algoritma Leiden Dalam Sistem Penentuan Calon Marketing Pemasaran Bisnis Berbasis AnalisisJaringan Sosial

HANDRIZAL

2026
Hak cipta nasional

Program Komputer Multi-Objective Orchestration Framework For BalancingLatency And Carbon Emissions

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2025
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Program Komputer Ecorouting

HANDRIZAL

2025
Hak cipta nasional

Pengantar Komputasi Paralel dan Terdistribusi dengan Penerapan Machine Learning

ELVIWANI , MUHAMMAD ZARLIS , HANDRIZAL , POLTAK SIHOMBING