Dr. Niskarto Zendrato, S.Kom., M.Kom

Lecturer of Master's Program in Data Science and Artificial Intelligence Study Program
Faculty of Computer Science and Information Technology
Universitas Sumatera Utara

niskarto@usu.ac.id

fasilkom-ti.usu.ac.id/en/lecturer/niskarto-zendrato

Mr. Niskarto is passionate about networking and computer systems. He has received certificates from AWS Academy Graduate - AWS Academy Cloud Foundations and Cisco Certified Network Associate v7: ITN, SRWE, ENSA. He has experience working on government and private projects to build computer networks. In addition, he manages a computer business. He is also reliable in computer repair.

Born on September 19, 1989, in Gunung Sitoli, the lecturer obtained his bachelor's and master's degrees from Universitas Sumatera Utara. Currently, he is pursuing his doctorate at the same university.

Before becoming a lecturer at Universitas Sumatera Utara, Mr. Niskarto was a lecturer at STMIK Kristen Neumann Indonesia. He has produced various research works and participated in many community service activities. He is also active in organizations.

Mr. Niskarto's life motto is, "Delaying goodness is ultimately self-defeating. A successful person is one who is active and engaged." He seems to be diligent and kind. Hehehe...

Publications

2026
Jurnal nasional terakreditasi

Enhancing Storage Efficiency in Large-Scale Internet of Things Networks: A Longitudinal Study of Least Recently Used Cache Replacement

NISKARTO ZENDRATO , GIDEON TULUS HATTA YUDA , ANANDHINI MEDIANTY NABABAN , FAHRURROZI LUBIS

2025
Jurnal internasional

Bereavement Life Review Management on Depression in Patients with Stroke in Medan

LUFTHIANI , NUNUNG FEBRIANY SITEPU , NISKARTO ZENDRATO , DUDUT TANJUNG

2024
Jurnal nasional terakreditasi

Improvement and Roles of the USU Community Service Team in Educating Halal Certification to the Giat Maju Farmer Group in Parbuluan Village VI Dairi

NISKARTO ZENDRATO , ADRIAN HILMAN , ELISA JULIANTI , ROSSY NURHASANAH

2024
Prosiding seminar internasional

Filtering Data Transfer Demographic using Neural Network Clustering to Improving Acceleration

MUHAMMAD ZARLIS , NISKARTO ZENDRATO , OPIM SALIM SITOMPUL , ELVIAWATY MUISA ZAMZAMI

2024
Prosiding seminar internasional

Application of Deep Learning for Mobile-Based Detection of Leaf Diseases in Amorphophallus Muelleri Blume Using SSD-Mobilenet

ROSSY NURHASANAH , NISKARTO ZENDRATO , MELLY BR BANGUN

2023
Jurnal nasional terakreditasi

Digitalisation Of Sukamandi Hulu Village Through The Creation Of An Information System Application Web-Based Population Data To Support The

Concept Of Smart Government

NISKARTO ZENDRATO , ELLY ROSMAINI , PUTRI KHAIRIAH NASUTION , MIMMY SARI SYAHPUTRI

2023
Prosiding seminar internasional

Feeding Automation for Fish Based on Fish Movement Detection Using Computer Vision Technology

BAIHAQI SIREGAR , AINUL HIZRIADI , NISKARTO ZENDRATO

2023
Jurnal nasional terakreditasi

E-Warta Android-Based System to Support Information Acceleration during the Pandemic in the GBKP Runggun Sememei Batu Community Group

T.HENNY FEBRIANA HARUMY , NISKARTO ZENDRATO , DEWI SARTIKA BR GINTING

2023
Jurnal nasional terakreditasi

Training and Assistance for Farmer Group the Community of Relationship in Distributing Leading Agricultural Products Based on E-Commerce

NISKARTO ZENDRATO

2023
Jurnal nasional

ANTISIPASI STROKE DAN PENYAKIT PARU BERBASIS ANDROID DENGAN PENDEKATAN KELUARGA DI DESA TIGA JUHAR KABUPATEN DELI SERDANG

BEBY KARINA FAWZEEA , JENNY MARLINDAWANI PURBA , NUNUNG FEBRIANY SITEPU , NISKARTO ZENDRATO

2023
Prosiding seminar internasional

Educative Trading Card Game CultureQuest: A Post Mortem Analysis

NISKARTO ZENDRATO

2022
Jurnal nasional terakreditasi

MANAJEMEN BEREAVEMENT LIFE REVIEW TERHADAP SPIRITUAL WELLBEING PADA PASIEN POST STROKE DI RUMAH SAKIT

NISKARTO ZENDRATO

2021
Jurnal nasional terakreditasi

Implementasi Fuzzy Logic untuk Menentukan Kelayakan Pembangunan Infrastruktur: Implementasi Fuzzy Logic untuk Menentukan Kelayakan Pembangunan Infrastruktur

NISKARTO ZENDRATO

2021
Jurnal nasional terakreditasi

Online Marketing Strategy for Sidikalang Arabica Coffee Farmers by Using the Online Marketplace in Desa Parbuluan VI Dairi

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2021
Jurnal nasional terakreditasi

Online marketing strategy for Sidikalang Arabica Coffee Farmers by using the online marketplace in Desa Parbuluan VI Dairi

ADRIAN HILMAN , ELISA JULIANTI , ROSSY NURHASANAH , NISKARTO ZENDRATO

2021
Jurnal nasional

Effect of health education audio effect of health education audiovisual media using the improvement of knowledge and attitudes in prevention at the health mariat filariasisÂ ...

NISKARTO ZENDRATO , ELVIAWATY MUISA ZAMZAMI

2020
Jurnal nasional terakreditasi

Effect of Health Education Audio Effect of Health Education Audiovisual Media Using The Improvement of Knowledge and Attitudes in Prevention at the Health Mariat FilariasisÃ‚Â …

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2020
Jurnal nasional

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NISKARTO ZENDRATO

2020
Prosiding seminar internasional

Optimization DataTransfer Using the Neural Network method Based on Signal Level

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2020
Prosiding seminar internasional

The utilization of Safe Parking Application (SPR) for motorcycle security using Global Positioning System (GPS) in Indonesia

NISKARTO ZENDRATO

2020
Prosiding seminar internasional

Traffic Light Controlling for Emergency Vehicle Line Based on GPS Tracking and Position Using GPRS Network

NISKARTO ZENDRATO

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Prosiding seminar internasional

Optimization DataTransfer Using the Neural Network method Based on Signal Level

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2020
Prosiding seminar internasional

Bigdata Clustering using X-means method with Euclidean Distance

NISKARTO ZENDRATO

2020
Prosiding seminar internasional

Exercising the Students Computational Thinking Ability using Bebras Challenge

NISKARTO ZENDRATO

2020
Prosiding seminar internasional

Forecasting Acceleration of Data Transfer with Fog Computing for Resource Efficiency in Data Centers

NISKARTO ZENDRATO

2020
Prosiding seminar internasional

Analysis of Mamdani Method to Increase the Level of the Advantages of Infrastructure Development for Optimal Network

NISKARTO ZENDRATO

2020
Jurnal nasional

Product and service marketing workshop by using online marketplace in Durin Tonggal Village

NISKARTO ZENDRATO , ROSSY NURHASANAH

2019
Prosiding seminar internasional

Optimization Iteration Min-Max Cross over Genetic Algorithm to Generate Fuzzy membership Function Automatically

NISKARTO ZENDRATO

2019
Prosiding seminar internasional

The Using of Thresholding and Region Merging Algorithm for Correcting the Multiple Choice Answer Sheets

NISKARTO ZENDRATO

2019
Prosiding seminar internasional

Increase Security of IoT Devices Using Multiple One Time Password

NISKARTO ZENDRATO

2019
Prosiding seminar internasional

Smart Fishing Vessel Monitoring for Handling of Illegal Fishing in the EEZ of Indonesia Using WSN TDMA

NISKARTO ZENDRATO

2019
Prosiding seminar internasional

Determining Outstanding Employee Using Simple Multi-Attribute Rating Technique Method

NISKARTO ZENDRATO

2019
Poster seminar internasional

Eye Disease Detection System Use Forward Chaining Methods

NISKARTO ZENDRATO

2019
Prosiding seminar internasional

The Benefit of Infrastructure Development: An Analysis

NISKARTO ZENDRATO

2018
Prosiding seminar nasional

Pemetaan Objek Retribusi Menggunakan GIS Untuk Meminimalisir Pungli

NISKARTO ZENDRATO , DIANA ALEMIN BARUS

2018
Prosiding seminar nasional

Analisis Keamanan Data Dengan Pengformatan Media Penyimpanan Dengan Metode OS Format Dan Low Level Format

NISKARTO ZENDRATO

2018
Prosiding seminar nasional

Strategi Peningkatan Penjualan Buku Pada PT. Tiga Serangkai Internasional Dengan Metode Clustering

NISKARTO ZENDRATO

2018
Prosiding seminar internasional

File Cryptography with AES and RSA for Mobile Based on Android

NISKARTO ZENDRATO

2018
Jurnal nasional

Analisa Kinerja Mikrotik Router Os untuk Filtering Konten Negatif

NISKARTO ZENDRATO

2018

Prosiding seminar internasional

Distribute Off-Time Office Internet bandwidth Using Topology Mesh for Sorrounding Neighbour

NISKARTO ZENDRATO , OLOAN SIHOMBING , YONATA LAIA , ERTINA SABARITA BARUS

2018
Prosiding seminar internasional

Smart home design for electronic devices monitoring based wireless gateway network using cisco packet tracer

NISKARTO ZENDRATO

2017
Jurnal nasional

Sistem Informasi Geografis Pemetaan Rumah Makan (Studi Kasus pada: Wilayah Medan Kabanjahe)

NISKARTO ZENDRATO

2017
Jurnal nasional

Pembangunan Aplikasi Runtracker dengan Menggunakan GPS pada Smartwatch Berbasis Android Wear

NISKARTO ZENDRATO

2017
Jurnal nasional terakreditasi

“Analisis Pemanfaatan Bandwith Pada Off-Time Kantor

NISKARTO ZENDRATO

2016
Jurnal nasional terakreditasi

Analisis Pemanfaatan Bandwith Pada Off-Time Kantor

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2026
Jurnal nasional

Effect of health education audio effect of health education audiovisual media using the improvement of knowledge and attitudes in prevention at the health mariat filariasisÂ â¦

NISKARTO ZENDRATO

2026
Jurnal nasional

Influence of Information Technology Systems on Data and Information Management in Nursing Services: Literature Review (Pengaruh Sistem Teknologi Informasi Pada Manajemen DataÂ â¦

NISKARTO ZENDRATO

Researches

2025

Model Klasterisasi Berbasis Algoritma Clustering Using Representative (CURE) untuk Optimasi Kebijakan Intervensi Tepat Sasaran pada Kasus Malnutrisi pada Lansia

DEWI SARTIKA BR GINTING , ADE SARAH HUZAIFAH , NISKARTO ZENDRATO

2020
Penelitian Dosen Pemula

Sistem Monitoring Akuaponik Berbasis Internet of Things

NISKARTO ZENDRATO , BAIHAQI SIREGAR

Community Services

2025

Bebras Indonesia Challenge 2025

NISKARTO ZENDRATO , ANANDHINI MEDIANTY NABABAN , ELVIAWATY MUISA ZAMZAMI

2025

Badan Pengurus dan Pengawas Credit Union Arih Ersada Pancur Batu Kota

NISKARTO ZENDRATO

2024

Badan Pengurus dan Pengawas Credit Union Arih Ersada Pancur Batu Kota

NISKARTO ZENDRATO

2023
Ipteks Bagi Masyarakat

Digitalisasi Desa Sukamandi Hulu Melalui Pembuatan Aplikasi Sistem Informasi Data Kependudukan Berbasis Web Untuk Mendukung Konsep Smart Government”

NISKARTO ZENDRATO , ELLY ROSMAINI , PUTRI KHAIRIAH NASUTION , REZA TIRTA SARI , FITRI NURUL HIKMAH , WARDAH NABILAH

2023
Ipteks Bagi Masyarakat

Digitalisation of Sukamandi Hulu Village Through the Creation of an Information System Application WebBased Population Data to Support the Concept of Smart Government

NISKARTO ZENDRATO , ELLY ROSMAINI , PUTRI KHAIRIAH NASUTION , MIMMY SARI SYAH PUTRI

2023
Ipteks Bagi Masyarakat

Peningkatan Kemandirian Desa melalui Pengembangan Desa Wisata Prioritas dalam Kawasan Geopark Kaldera Toba, dan Transformasi Pelayanan Publik menuju Desa Digital, serta Pemanfaatan Limbah Kulit Buah dan Sayur Untuk Biosekurity Ternak dan Penerapan Sanitasi Kandang Ternak di Desa Sipira Kecamatan Onan Runggu Kab. Samosir

YUSAK MARYUNIANTA , NISKARTO ZENDRATO , PENI PATRIANI , KRISTIAWAN HADINATA GINTING

2023

Tantangan Bebras Indonesia 2023

JUANDA HAKIM LUBIS , ABDUL MUIS , NISKARTO ZENDRATO , ANANDHINI MEDIANTY NABABAN , ELVIAWATY MUISA ZAMZAMI , ALFI RAHMAN , SUANGLI , FAJRUL MALIK AMINULLAH NAPITUPULU

2023
Ipteks Bagi Masyarakat

Peningkatan Kemandirian Desa melalui Pengembangan Desa Wisata Prioritas dalam Kawasan Geopark Kaldera Toba, dan Transformasi Pelayanan Publik menuju Desa Digital, serta Pemanfaatan Limbah Kulit Buah Dan Sayur Untuk Biosekurity Ternak dan Penerapan Sanitasi Kandang Ternak di Desa Sipira Kabupaten Onan Runggu Kab. Samosir

HELOVA LEONARD PANJAITAN , NISKARTO ZENDRATO

2023
Ipteks Bagi Wilayah Antara PT-CSR / PT-PEMDA-CSR

Peningkatan Kemandirian Desa melalui Pengembangan Desa Wisata Prioritas dalam Kawasan Geopark Kaldera Toba, dan Transformasi Pelayanan Publik menuju Desa Digital, serta Pemanfaatan Limbah Kulit Buah dan Sayur Untuk Biosekurity Ternak dan Penerapan Sanitasi Kandang Ternak di Desa Sipira Kecamatan Onan Runggu Kab. Samosir

HELOVA LEONARD PANJAITAN , YUSAK MARYUNIANTA , NISKARTO ZENDRATO , PENI PATRIANI , KRISTIAWAN HADINATA GINTING , LUHUT SIHOMBING

2022
Ipteks Bagi Masyarakat

Antisipasi Stroke Dan Penyakit Paru Berbasis Android Dengan Pendekatan

Keluarga Di Puskesmas Tiga Juhar Kabupaten Deli Serdang

NISKARTO ZENDRATO , NUNUNG FEBRIANY SITEPU , JENNY MARLINDAWANI PURBA , BEBY KARINA FAWZEEA

2021
Penelitian Dosen Pemula

Usaha Peningkatan Mutu dan Kualitas Produk Kopi Robusta Sidikalang (Jamâ€™s Coffee) pada Kelompok Tani Giat Maju di Desa Parbuluan VI Dairi

ADRIAN HILMAN , NISKARTO ZENDRATO , ROSSY NURHASANAH , ELISA JULIANTI , TRI RIZKY ANANDA , Astrid Melani Nainggolan , HANDIKA RIYANDAR , ADELIA SALMAH SIREGAR , SYADINDA BAROKAH , RISKA PUTRI ARMAYA , GIORINA SELLA ABDILLAH SIRAIT

2021

APLIKASI e-WARTA BERBASIS ANDROID SEBAGAI MEDIA INFORMASI KELOMPOK MASYARAKAT GBKP RUNGGUN SEMEMEI BATU DALAM MENDUKUNG PROGRAM KERJA DI ERA NEW NORMAL (COVID-19)

T.HENNY FEBRIANA HARUMY , DEWI SARTIKA BR GINTING , NISKARTO ZENDRATO , WILLY NOVERIKSON HUTABARAT , HAJARANI SYADZWANA , M ERALD SETYAKI S , FITRI AULIA FADILLAH NASUTION , REVALDI IRHAM SYAH PUTRA

2020
Ipteks Bagi Masyarakat

Inovasi Pengolahan Kopi pada Kelompok Tani Giat Maju di Desa Parbuluan VI Dairi

ADRIAN HILMAN , NISKARTO ZENDRATO , ROSSY NURHASANAH , ELISA JULIANTI , ANNISA ANDRIANI NASUTION , WAHYU MUHAMMAD FATHAN

2020
KKN Pembelajaran Pemberdayaan Masyarakat

Edukasi Masyarakat Kampung Badur, Kelurahan Hamdan, Medan Maimun, Sumatera Utara Memasuki Fase Kenormalan Baru

NISKARTO ZENDRATO , INDRA MASMUR DR SSI MSI , MUHAMMAD TAUFIK

2019

Pelatihan Penggunaan Media Online dalam Mempromosikan Produk dan Jasa di Desa Durin Tonggal

MOHAMMAD ANDRI BUDIMAN , ADE SARAH HUZAIFAH , NISKARTO ZENDRATO , ROSSY NURHASANAH , FAHRURROZI LUBIS , MUHAMMAD ULWAN AZMI , ANNISSA KAMILA MARDHIYYAH , BOBY KURNIAWAN

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Buku Panduan Untuk Penggunaan Aplikasi Mantap JHIWA

NISKARTO ZENDRATO , IWAN RUSDI , JENNY MARLINDAWANI PURBA , HASNIDA