Ivan Jaya

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Mr. Ivan Jaya, S.Si, M.Kom was born in Jakarta, on July 7, 1984. He started his studies in Sumatra, namely, at Universitas Sumatera Utara. He completed an Undergraduate program in Mathematics at FMIPA USU and a Master's in Informatics Engineering at Fasilkom-TI USU. He is also pursuing a Doctorate in Computer Science at Fasilkom-TI USU.

Mr. Ivan started his career as a lecturer at Facilkom-TI USU in 2016 until now teaching web programming. Not only as a teaching staff, Mr. Ivan has also held a quality assurance group for Fasilkom-TI USU. He has served as an expert staff for the Dean of Research, Community Service, and Quality Management at Fasilkom-TI USU.

Mr. Ivan's research area is about machine learning. He has also received several achievements during his career in education, such as Certified Data Center Professional - Exin (2019 - 2022), Microsoft Certified: Azure Fundamentals (2021), and Microsoft Certified: Azure Data Fundamentals (2021).

In his achievements during his career journey, he never forgets some of the advice he got from the people closest to him, namely

- The best human being is the one who can benefit others;

- Bind knowledge by writing it down; and

- Always remember Allah, be grateful for His blessings, and worship Him as best you can.

Publications

2025
Jurnal internasional bereputasi
The Ward Manager’s Role on Nursing Care Performance
RENI ASMARA ARIGA , BINA MELVIA GIRSANG , IVAN JAYA

2024
Jurnal nasional terakreditasi
Revolusi Manajemen Penyakit Tidak Menular (PTM): Inovasi Perawatan Mandiri Berbasis Web di Desa Kelambir Lima Kebun Deli Serdang
IVAN JAYA

2021
Prosiding seminar internasional
Web-based E-Commerce Products Grouping
IVAN JAYA

2020
Jurnal nasional terakreditasi
Network Device Monitoring System based on Geographic Information System dan Simple Network Management Protocol
IVAN JAYA

2020
Tulisan ilmiah
Answering Islamic Questions with a Chatbot using Fuzzy String-Matching Algorithm
IVAN JAYA

2020
Tulisan ilmiah
Identification of Tuberculosis (TB) Disease Based on Lung X-Rays using

Extreme Learning Machine

IVAN JAYA

2019
Jurnal nasional terakreditasi

Klasifikasi Kecerdasan Majemuk pada Anak Berdasarkan Posting Aktivitas di Media Sosial Menggunakan SentiStrength dan Spearman's Rank Correlation Coefficient

IVAN JAYA

2019
Tulisan ilmiah

The identification of pornographic sentences in Bahasa Indonesia

IVAN JAYA

2026
Jurnal nasional terakreditasi

REVOLUSI MANAJEMEN PENYAKIT TIDAK MENULAR (PTM): INOVASI PERAWATAN MANDIRI BERBASIS WEB

IVAN JAYA

2026
Jurnal nasional terakreditasi

Development of teaching materials based on learning video using movavi education set at Yayasan Perguruan Tunas Karya Batang Kuis

IVAN JAYA

2026
Jurnal nasional terakreditasi

Klasifikasi kecerdasan majemuk pada anak berdasarkan posting aktivitas di media sosial menggunakan SentiStrength dan Spearman’s Rank Correlation Coefficient

IVAN JAYA

2026
Jurnal nasional terakreditasi

INOVASI DIGITAL DAN TEKNOLOGI UNTUK PEMBANGUNAN BERKELANJUTAN DI DESA KUTA MBELIN

IVAN JAYA

2026
Jurnal nasional terakreditasi

Improvement of Population Data for Kuta Mbelin Village, STM Hulu District, Deliserdang Regency to Open SID Based Population Data

IVAN JAYA

2026
Jurnal nasional

Revolusi Kesehatan dengan Inovasi Keperawatan dan Teknologi untuk Mengatasi Penyakit Tidak Menular

IVAN JAYA

2026
Prosiding seminar internasional

Deep Learning Based Satellite Image Segmentation Analyzes for Coastal Flood Disaster

IVAN JAYA

2026
Jurnal internasional bereputasi

The Ward Manager’s Role on Nursing Care Performance

IVAN JAYA

2026
Prosiding seminar internasional

Analysis on Combination of Watermarking Algorithm: Modified Least

Significant Bit Algorithm with Least Significant Bit+ 1

IVAN JAYA

Researches

2025
Penelitian Dana Lokal Perguruan Tinggi

Pengembangan Inovasi Manajemen Teleassessment Keperawatan Berbasis AI melalui Integrasi Teknologi Digital dan Sistem SDM untuk Meningkatkan Kemandirian Pelayanan Kesehatan

RENI ASMARA ARIGA , IVAN JAYA , RINA AMELIA

2024

Inovasi Peningkatan Sumber Daya Perawat Melalui Telelearning Dan Artificial Intelegence Guna Meningkatkan Kemandirian Kesehatan

RENI ASMARA ARIGA , IVAN JAYA , AL ANHAR SUFI

Community Services

2024
Ipteks Bagi Masyarakat

Inovasi Manajemen Keperawatan Dan Teknologi Informasi Dalam Mengatasi Penyakit Tidak Menular Dengan Penerapan Paten Metode Perawatan Mandiri Berbasis Situs WEB Guna Mencapai Kemandirian Kesehatan Di Desa Kelambir Lima Kebun Deli Serdang

RENI ASMARA ARIGA , IVAN JAYA , AL ANHAR SUFI

2022
Ipteks Bagi Masyarakat

Pemberdayaan Siswa SMP dalam Pencegahan Covid 19 dengan Permainan Ular Tangga dan Roda Putar berbasis IT di Yayasan Pendidikan Annysa

TUKIMAN , SYARIFAH , IVAN JAYA , KAMILA TUFFAHATY MORGANA , SYNTIA PURNAMA AULIA , SALWA MAULIDINA POHAN , GAMALIELYA GERA SIMANJUNTAK , SABILILLAH MADHURI LUDFI

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Program Komputer Permainan Roda Putar Edukasi Corona

HALINDA SARI LUBIS , GAMALIELYA GERA SIMANJUNTAK , SYARIFAH , IVAN JAYA , TUKIMAN , MEUTIA NAULY , MADIASA ABLIZAR

2023
Hak cipta nasional

Program Komputer Permainan Roda Putar Edukasi Corona

MADIASA ABLIZAR , SYARIFAH , IVAN JAYA , HALINDA SARI LUBIS , TUKIMAN , MEUTIA NAULY

2021
Hak cipta nasional

Sistem Otomatisasi Deteksi Dini Banjir Melalui Telegram Untuk Pencegahan Bencana

RITHA F DALIMUNTHE , SYARIFAH , MADIASA ABLIZAR , IVAN JAYA , PUJIATI