

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 Fasilkom-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

2025

Jurnal nasional terakreditasi

Digitalization Training for MSMEs to Increase Competitiveness in the Digital Era

KHAIRA AMALIA FACHRUDDIN , IVAN JAYA , ANCE MARINTAN D. SITOANG , MAGDALENA LINDA L SIBARANI

2025

Prosiding seminar internasional

Identification of Sexual Harassment in Social Media Comments Using IndoBERT and Support Vector Machine

IVAN JAYA , DEDY ARISANDI

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

Prosiding seminar internasional

Preliminary Study for identifying Rice Plant Disease Based on Thermal Images

IVAN JAYA , DIANA SOFIA HANAFIAH , MAYA SILVI LYDIA , INDRA AULIA

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

2017

Penelitian Dosen Pemula

Implementasi Penggambaran Deformasi Objek 3 Dimensi Menggunakan Koneksi Graf

JOS TIMANTA TARIGAN , IVAN JAYA

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

2019

Ipteks Bagi Masyarakat

Pemanfaatan Computer Based Technology dalam Meningkatkan Efisiensi

Penerimaan dan Seleksi Siswa Baru

RIKA ELIANA , INDRA AULIA , IVAN JAYA , MAYA SILVI LYDIA , M AIDIEL RACHMAN P , DUWI AKBAR , MUHAMMAD PUTRA YUSZAR , ANDIKA PRASETYO , MUHAMMAD NOOR MISYUARI

Intellectual Property Rights

2023

Hak cipta nasional

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 DALIMUNTHER , SYARIFAH , MADIASA ABLIZAR , IVAN JAYA , PUJIATI

2021

Hak cipta nasional

Permainan Game Board Ular Tangga Menggunakan Joystick Untuk Edukasi COVID-19

R KINTOKO ROCHADI , TULUS IKHSAN NASUTION , IVAN JAYA , SYARIFAH
