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Dr. Mohammad Andri Budiman was born in Medan on October 8, 1975. He holds a bachelor's degree in Engineering from ITB, a Master of Computer Science degree from University of New South Wales, Sydney, Australia and a Master of Engineering Management from University of Technology, Sydney, Australia. In 2021 he earned his doctoral degree from the Doctoral Program in Computer Science at Universitas Sumatera Utara.

From 2009–2017, Dr. Mohammad Andri Budiman was secretary of Master's Program in Informatics Fasilkom-TI USU. During that time, he also appointed as Chair of the USU ICT Task Force (2012-2013), member of the USU senate (2013-2014), member of Team Formulator of USU's Strategic Plan and RPJM (2014), and Chair of Fasilkom-TI Advisory Council for the 2013-2017 period. From 2017 to 2021, he appointed as head of Fasilkom-TI Algorithm and Programming Laboratory, and currently Dr. Mohammad Andri Budiman is Vice Dean I for Academic, Student Affairs and Alumni, Fasilkom-TI.

Dr. Mohammad Andri Budiman is certified as a Java Programmer from Sun Microsystems, United States of America. He loved by his students, therefore for 2 consecutive years (2013-2014) he won the position of Favorite Lecturer in S-1 Computer Science Study Program. At the 2015 USU Anniversary, he was the second best presenter in the Lecturer Category. Not only that, his ability as a lecturer was also recognized by getting the Best Lecturer at the 2019 Fasilkom-TI Awards. Mr. Mohammad Andri Budiman also has a high IQ, so he can join the Member of IHIQS (The International High IQ Society) in 2016 and Member of Mensa International High IQ Society in 2017.

The best human being is the most beneficial to others.

Love those on earth, surely those in the sky will love you.

Let's dhikr as much as possible, do our best, worship as solemnly as possible.

Achieve His forgiveness, reward, love, pleasure, and paradise.

The world is temporary, the hereafter is forever.

Publications

2025

Prosiding seminar internasional

Signcryption Scheme Using the Schmidt Samoa Cryptosystem and Ong-Schnorr Shamir Digital Signature to Ensure the Security of Digital Text

DIAN RACHMAWATI , MOHAMMAD ANDRI BUDIMAN , AMER SHARIF

2025

Prosiding seminar internasional

An Analytical Study of Easy Simple Factoring RSA (ESF-RSA) and Phony RSA Cryptosystem

DIAN RACHMAWATI , MAYA SILVI LYDIA , MOHAMMAD ANDRI BUDIMAN , ROMI FADILLAH RAHMAT

2025

Prosiding seminar internasional

Comparative Study of Public Key Cryptosystem: Somsuk RSA vs Modified RSA

DIAN RACHMAWATI , MAYA SILVI LYDIA , MOHAMMAD ANDRI BUDIMAN , ROMI FADILLAH RAHMAT

2025

Prosiding seminar internasional

The Least Significant Bit and Linear Equation Steganography Algorithm for

Securing Image Messages

DIAN RACHMAWATI , MOHAMMAD ANDRI BUDIMAN , AMER SHARIF

2025

Prosiding seminar internasional

The Least Significant Bit and Linear Equation Steganography Algorithm for Securing Image Messages

DIAN RACHMAWATI , MOHAMMAD ANDRI BUDIMAN , AMER SHARIF

2025

Jurnal internasional bereputasi

Protecting Music Ownership with Random Steganography Algorithm

BUDI HANDOYO , MOHAMMAD ANDRI BUDIMAN , BENNY BENYAMIN NASUTION

2024

Prosiding seminar internasional

Image Messages Security Using the Elkamchouchi- Elshenawy-Shaban Algorithm, Logistic Chaos, and XOR

DIAN RACHMAWATI , MOHAMMAD ANDRI BUDIMAN , WILBERT

2024

Prosiding seminar internasional

Customer Segmentation Using Generated Coffee Export Transaction Data

ERNA BUDHIARTI NABABAN , MOHAMMAD ANDRI BUDIMAN , SYARIFAH CHAIRA ZULFA

2024

Prosiding seminar internasional

Digital File Signcryption using Benaloh and ElGamal Signature Scheme

NAHDAH SALSABIIL DAMANIK , MOHAMMAD ANDRI BUDIMAN , MUHAMMAD ZARLIS

2023

Prosiding seminar internasional

Text-based File Security with Signcryption Using AA β and DSA Algorithms

LATHIFAH TSAMRATUL'AIN , MOHAMMAD ANDRI BUDIMAN , MAYA SILVI LYDIA

2023

Jurnal internasional bereputasi

Students' Perceptions of Using Roblox in Multimodal Literacy Practices in Teaching and Learning English

T SILVANA SINAR , ROHANI GANIE , MOHAMMAD ANDRI BUDIMAN

2021

Prosiding seminar internasional

Three-Pass Protocol Scheme for Securing Image Files Using the Hill Cipher 3x3 Algorithm

DIAN RACHMAWATI , MOHAMMAD ANDRI BUDIMAN

2021

Prosiding seminar internasional

The Comparison of Rice Codes and Even-Rodeh Codes Algorithms for Text Compression

DIAN RACHMAWATI , MOHAMMAD ANDRI BUDIMAN

2021

Prosiding seminar internasional

A Cryptocompression System Using AA $\hat{2}$ Algorithm and Goldbach G1 Codes

DIAN RACHMAWATI , MOHAMMAD ANDRI BUDIMAN

2021

Prosiding seminar internasional

A Comparative Performance Study of (s,c)-Dense Codes and Elias Delta Codes in Data Compression

MOHAMMAD ANDRI BUDIMAN , DIAN RACHMAWATI

2021

Prosiding seminar internasional

Implementation of Not so Naive and Burkhard-Keller Tree algorithms in Indonesian-Hokkien dictionary application

MOHAMMAD ANDRI BUDIMAN , DIAN RACHMAWATI

2021

Prosiding seminar internasional

A cryptocompression system with Multi-Factor RSA algorithm and Levenstein code algorithm

MOHAMMAD ANDRI BUDIMAN , POLTAK SIHOMBING

2021

Prosiding seminar internasional

Implementation of hybrid cryptosystem using Rabin-p algorithm and One Time Pad to secure images

MOHAMMAD ANDRI BUDIMAN , MUHAMMAD ZARLIS

2021

Jurnal internasional bereputasi

FACTORIZATION OF SMALL RPRIME RSA MODULUS USING FERMAT'S DIFFERENCE OF SQUARES AND KRAITCHIK'S ALGORITHMS IN PYTHON

MAYA SILVI LYDIA , MOHAMMAD ANDRI BUDIMAN , DIAN RACHMAWATI

2021

Jurnal internasional bereputasi

Factorization of small rprime rsa modulus using fermat's difference of squares and kraitichik's algorithms in python

DIAN RACHMAWATI , MOHAMMAD ANDRI BUDIMAN , MAYA SILVI LYDIA

2020

Jurnal internasional bereputasi

Rsa public key solving technique by using genetic algorithm

DIAN RACHMAWATI , MOHAMMAD ANDRI BUDIMAN

2018

Prosiding seminar internasional

An Expert System to Detect Pediatric Skin Allergies

DERYNE ANGGIA PARAMITA , DIAN RACHMAWATI , MOHAMMAD ANDRI BUDIMAN

2017

Jurnal nasional terakreditasi

Implementasi Algoritma RC4A dan MD5 untuk menjamin Confidentiality dan integrity pada file teks

AMER SHARIF , MOHAMMAD ANDRI BUDIMAN

2017

Jurnal nasional terakreditasi

Implementasi Operasi XOR dan Teknik Transposisi Segitiga untuk Pengamanan Citra JPEG Berbasis Android

AMER SHARIF , MOHAMMAD ANDRI BUDIMAN

Researches

2025

Penelitian Unggulan Perguruan Tinggi

Skema Signcrypton dengan Algoritma Schmidt-Samoa Cryptosystem dan Ong-Schnorr-Shamir Digital Signature untuk Menjamin Keamanan Pesan Digital

MOHAMMAD ANDRI BUDIMAN , AMER SHARIF , DIAN RACHMAWATI

2024

Penelitian Unggulan Perguruan Tinggi

MODIFIKASI LEAST SIGNIFICANT BIT : TEKNIK, ANALISIS KOMPLEKSITAS DAN IMPLEMENTASINYA PADA PENYEMBUNYIAN PESAN GAMBAR

MOHAMMAD ANDRI BUDIMAN , AMER SHARIF , DIAN RACHMAWATI , FREDERICK GODIVA

2023

Penelitian Dana Lokal Perguruan Tinggi

PENGAMANAN PESAN DIGITAL MENGGUNAKAN SKEMA SIGNCRYPTION INAM-KANWAL-ZAHID-ABID DAN CHAUM'S BLIND SIGNATURE

MOHAMMAD ANDRI BUDIMAN , AMER SHARIF , THORIQ AUFAR NUBLI

2023

Penerapan Hybrid Cryptosystem Dengan Algoritma Elkamchouci-Elshenawy-Saban dan RC4

MOHAMMAD ANDRI BUDIMAN , DIAN RACHMAWATI

2023

Analisis Tren Topik Skripsi, Tesis, dan Disertasi Mahasiswa Fakultas Ilmu Komputer dan Teknologi Informasi Universitas Sumatera Utara

MOHAMMAD ANDRI BUDIMAN , ELVIAWATY MUISA ZAMZAMI , FAJRUL MALIK AMINULLAH NAPITUPULU

2019

SISTEM PENGAMANAN EMAIL BERBASIS DEPENDENT RSA

MOHAMMAD ANDRI BUDIMAN , DIAN RACHMAWATI

2018

Penelitian Unggulan Perguruan Tinggi

Sistem Pakar Pendeteksi Pediatric Common Skin Allergies

MOHAMMAD ANDRI BUDIMAN , DERYNE ANGGIA PARAMITA , DIAN RACHMAWATI , MUHAMMAD ADIB RIKZAN

Community Services

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 , BOBY KURNIAWAN , MUHAMMAD ULWAN AZMI , ANNISSA KAMILA MARDHIYYAH

Intellectual Property Rights

2025

Hak cipta nasional

APLIKASI PENGAMANAN TEKS DENGAN OSS DANSCHMIDT-SAMOA

DIAN RACHMAWATI , MOHAMMAD ANDRI BUDIMAN , AMER SHARIF

2024

Hak cipta nasional

Aplikasi Pengamanan Pesan Gambar Dengan Algoritma Elkamchouchi-Elshenawy-Shaban, Logistic Chaos, Dan Xor

MOHAMMAD ANDRI BUDIMAN , DIAN RACHMAWATI
