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Dosen Program Studi D4 Statistika
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Publications

2018

Jurnal internasional bereputasi

Plant calendar pattern based on rainfall forecast and the probability of its success in Deli Serdang reGENCY of Indonesia

OPEN DARNIUS

2018

Jurnal nasional

SIMULATION OF TWO-STAGE SEQUENCIAL PROCEDURE IN NONPARAMETRIC REGRESSION

OPEN DARNIUS

2017

Prosiding seminar nasional

A STUDY ON BEHAVIOR OF RAINFALL TO PLAN A PLANTING CALANDER USING A COMBINATION METHOD OF TIME SERIES AND MARKOV CHAIN

OPEN DARNIUS

2004

Monograf

Pemakaian Peluang Dalam Membuat Keputusan

OPEN DARNIUS

2017

Jurnal nasional

Multivariate Object Ranking Based On Quantile Method

OPEN DARNIUS

2022

Jurnal internasional bereputasi

Analisis Regresi Data Panel Dengan Pendekatan Common Effect Model (CEM), Fixed Effect Model (FEM) dan Random Effect Model (REM) (Studi Kasus : IPM Sumatera Utara Periode 2014 – 2020)

OPEN DARNIUS

2018

Jurnal internasional bereputasi

Spatial hierarchical Bayes estimation of mean years of schooling

OPEN DARNIUS

2019

Jurnal internasional bereputasi

Model selection in regression linear: a simulation based on akaike's information criterion

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Jurnal nasional terakreditasi

Analisis Regresi Data Panel dengan Pendekatan Common Effect Model (CEM), Fixed Effect Model (FEM) dan Random Effect Model (REM)(Studi Kasus: IPM Sumatera Utara Periode 2014-2020)

OPEN DARNIUS

2023

Prosiding seminar internasional

Monte Carlo's simulation method from the law of large numbers on Chebyshev's inequality

ELVINA HERAWATI , OPEN DARNIUS , RIFKY PRADANA DAULAY

2004

Jurnal nasional

Pemakaian peluang dalam membuat keputusan: Suatu Tinjauan dalam Masalah Grosir

OPEN DARNIUS

2013

Jurnal nasional

Perbandingan Metode Least Trimmed Squares dan Penaksir M dalam Mengatasi Permasalahan Data Pencilan

OPEN DARNIUS

2023

Jurnal nasional

Analysis of Internal Community Factors in Participating in the Family Planning Program in Medan Johor District Using the Logistic Regression Method

OPEN DARNIUS , ISRAIL SITEPU , BENAR SURBAKTI

2018

Jurnal internasional bereputasi

Simulation method of model selection based on Mallows' Cp Criteria in linier regression

OPEN DARNIUS

2023

Jurnal nasional

Analisis Statistik Faktor-Faktor yang Mempengaruhi Rendahnya Minat Masyarakat dalam Menggunakan Layanan PT Pos Indonesia(PERSERO)

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2026

Jurnal nasional terakreditasi

Path Analysis Model in Determining The Crime Rate During Covid 19 Pandemic in North Sumatera

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2017

Jurnal internasional bereputasi

Analysis of student satisfaction in the process of teaching and learning using importance performance analysis

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2026

Prosiding seminar internasional

Monte Carlo's simulation method from the law of large numbers on Chebyshev's inequality

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Analisis Regresi Data Panel dengan Pendekatan Common Effect Model (CEM), Fixed Effect Model (FEM) dan Random Effect Model (REM)(Studi Kasus: IPM Sumatera Utara Periode 2014-2020)

OPEN DARNIUS

2020

Jurnal nasional

Active learning in online teaching in SMA Swakarya Binjai

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2021

Jurnal nasional

Active learning in online teaching in SMA Swakarya Binjai

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2023

Jurnal nasional

Parameter Estimation on Erlang Distribution Basedon MaximumLikelihood Method Using Newton Raphson Algorithm and FisherScoring

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Jurnal nasional terakreditasi

Zero-Inflated Poisson Regression Testing In Handling Overdispersion On Poisson Regression

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Jurnal internasional bereputasi

Optimization Of Holt-Winters Exponential Smoothing Parameters Using The Golden Section And Dichotomous Search Method

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Jurnal nasional terakreditasi

Binary Logistic Regression Analysis Using Stepwise Method on Tuberculosis Events

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2014

Jurnal nasional

Perencanaan Jumlah Produksi Mie Instan dengan Penegasan (Defuzzifikasi) Centroid Fuzzy Mamdani

OPEN DARNIUS

2023

Jurnal nasional terakreditasi

MODEL HIBRIDA AUTOREGRESSIVE INTEGRATED MOVING AVERAGE (ARIMA) DAN FUZZY TIME SERIES (FTS) UNTUK PERAMALAN PRODUKSI KELAPA SAWIT PT. PERKEBUNAN NUSANTARA II

OPEN DARNIUS

2021

Prosiding seminar internasional

A NOVEL APPROACH BASED ON ACTIVE CONSTRAINT FOR MINIMIZING VAR IN THE PORTOFOLIO OPTIMIZATION PROBLEM

HERMAN MAWENKANG , MARDININGSIH , OPEN DARNIUS

2023

Prosiding seminar internasional

Modelling of risk factors that influence malaria infection using Binary Logistic Regression

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2005

Jurnal nasional

Memeringkat Subjek Menggunakan Perbandingan Berpasangan

OPEN DARNIUS

2018
Jurnal internasional bereputasi

MAXIMUM LIKELIHOOD BASED ON NEWTON RAPHSON, FISHER SCORING AND EXPECTATION MAXIMIZATION ALGORITHM APPLICATION ON ACCIDENT DATA.

SUTARMAN , OPEN DARNIUS

2022
Jurnal internasional bereputasi

Path Analysis Model in Determining the Crime Rate During the Covid 19 Pandemic in North Sumatera

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2023
Jurnal nasional terakreditasi

KLASIFIKASI PROVINSI DI INDONESIA BERDASARKAN LUAS PENGUSAHAAN DAN PRODUKTIVITAS TANAMAN KELAPA SAWIT MENGGUNAKAN ANALISA KLASTER

OPEN DARNIUS

2013
Jurnal nasional terakreditasi

Analisis Pengaruh Produk Domestik Regional Bruto, Pendidikan dan Pengangguran terhadap Kemiskinan di Kab/kota Propinsi Sumatera Utara Tahun 2010–2011

OPEN DARNIUS

2023
Jurnal nasional terakreditasi

Analisis Statistik Faktor-Faktor yang Mempengaruhi Rendahnya Minat Masyarakat dalam Menggunakan Layanan PT Pos Indonesia (PERSERO)

PARAPAT GULTOM , ASIMA MANURUNG , OPEN DARNIUS

2023
Prosiding seminar internasional

A framework of nonparametric regression to predict natural gas demand

OPEN DARNIUS

2018
Jurnal internasional bereputasi

Regional income inequality model based on theil index decomposition and weighted variance coefficient

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2021
Jurnal internasional bereputasi

A novel approach based on active constraint for minimizing var in the portofolio optimization problem

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2019
Jurnal internasional bereputasi

Model selection in regression linear: A simulation based on akaike's information criterion

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Prosiding seminar internasional

Spatial regression model of poverty in the province of North Sumatera on 2017

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2024
Jurnal nasional terakreditasi

Analisis Faktor-faktor yang Mempengaruhi Tingkat Kemiskinan di Sumatera Utara Menggunakan Structural Equation Modeling

2022

Jurnal nasional terakreditasi

OPTIMIZATION MODEL IN CLUSTERING THE HAZARD ZONE AFTER AN EARTHQUAKE DISASTER

OPEN DARNIUS

2023

Jurnal nasional

Inventory Model for Order Quantity Optimization with Partial Backlogging on Greater Demand at The Beginning

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2025

Jurnal nasional terakreditasi

Mitigation of Environmental Exposure, Pollutants, and Endocrine Disruptors to Reproductive Health: A Literature Review

NUR AFI DARTI , OPEN DARNIUS , DIAH LESTARI NASUTION , EVI INDRIANI BR KARO

2022

Jurnal nasional

Application of the Markov Chain in Predicting the Amount of Palm Oil Production and the Area Harvested

YAN BATARA PUTRA SIRINGORINGO , OPEN DARNIUS

2018

Jurnal nasional

Perbandingan Keakuratan Dari Model Tabel Distribusi Frekuensi Berkelompok Antara Metode Sturges Dan Metode Scott

OPEN DARNIUS

2013

Jurnal nasional

ANALISA TINGKAT KEPUASAN MASYARAKAT TERHADAP PROSES PELAYANAN PEMBUATAN SIM (SURAT IZIN MENGEMUDI) DI SATLANTAS POLRES TAPANULI SELATAN

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Jurnal nasional terakreditasi

Accuracy of the Moving Averages and Deseasonalizing Methods for Trend, Cyclical and Seasonal Data Forecasting

OPEN DARNIUS

2018

Jurnal internasional bereputasi

Model of Decision Making through Consensus in Ranking Case

OPEN DARNIUS

2019

Jurnal internasional bereputasi

A Usage of Probabilistic Methods in Decision Making for Wholesalers' Problem

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2013

Jurnal nasional

Analisis Estimasi Perubahan Minat Mahasiswa Universitas Sumatera Utara Terhadap Tujuh Operator Gsm

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OPTIMIZATION OF PARAMETERS TO IMPROVE SVM ACCURACY USING HARMONY SEACRH ALGORITHM

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Monte Carlo's simulation method from the law of large numbers on Chebyshev's inequality

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Simulation method of model selection based on Mallows' Cp Criteria in linier regression

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Multivariate Object Ranking Based On Quantile Method

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Prosiding seminar internasional

A usage of probabilistic methods in decision making for wholesalers’ problem

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2023

Jurnal nasional terakreditasi

Simplifying Complexity: Linearization Method for Partial Least Squares Regression

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2025

Jurnal nasional terakreditasi

Adjusting Anomalies in International Tourist Arrivals to North Sumatra During the Peak COVID-19 Period (April 2020 to June 2022) to Enhance the Validity of Time Series Modeling

OPEN DARNIUS , THASWIN EDDY

2002

Monograf

APLIKASI SOFTWARE R DALAM ANALISIS REGRESI

OPEN DARNIUS

2021

Jurnal nasional terakreditasi

Risk Valuee Analysis of Gold Futures Trading Investment Using Fundamental Analysis, Technical Analysis, and Value at Risk

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2022

Jurnal nasional terakreditasi

Using the Deep Constrained Clustering Approach to Create a Business Profile

OPEN DARNIUS

2014

Jurnal internasional bereputasi

An Optimization Model for A Supply Chain Decision Problem of Fish Processed Products Considering Inventory and Routing

OPEN DARNIUS , HERMAN MAWENGGANG

2019

Prosiding seminar internasional

An Approach Based on Active Constraint Strategy for Solving The Portfolio Optimization Problem

OPEN DARNIUS , HERMAN MAWENGGANG , MARDININGSIH

2013

Jurnal nasional

Analisis Preferensi Mahasiswa FMIPA USU terhadap Produk Handphone dengan Menggunakan Analiis Konjoin

OPEN DARNIUS

2019

Jurnal internasional bereputasi

An Approach Based on Active Constraint Strategy for Solving the Portfolio Optimization Problem

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2021

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A NOVEL APPROACH BASED ON ACTIVE CONSTRAINT FOR MINIMIZING VAR IN THE PORTOFOLIO OPTIMIZATION PROBLEM

HERMAN MAWENKANG , OPEN DARNIUS , MARDININGSIH

Researches

2017

Analisis Faktor Ketimpangan Pendapatan Regional Berdasarkan Dekomposisi Indeks Theil Dan Koefisien Variasi Terbobot Di Provinsi Sumatera Utara

HENRY SITORUS , OPEN DARNIUS

2016

Penelitian Hibah Bersaing

Analisis Faktor Ketimpangan Pendapatan Regional Berdasarkan Dekomposisi Indeks Theil dan Koefisien Variasi Terbobot,

OPEN DARNIUS

2024

Penelitian Kerjasama Antar Perguruan Tinggi

PENERAPAN REGRESI POISSON INVERS GAUSSIAN UNTUK MEMODELKAN JUMLAH KEMATIAN BAYI DI PROVINSI SUMATERA UTARA

OPEN DARNIUS , ENITA DEWI BR TARIGAN , YAN BATARA PUTRA SIRINGORINGO

2011

Penelitian Fundamental

Pengembangan Metode ESD untuk mendeteksi pencilan dalam data bivariat. Penelitian Kerjasama Dinas Pendidikan Provinsi Sumatera Utara 2011. Rp. 15.000.000.-

OPEN DARNIUS

2025

Penelitian Dana Lokal Perguruan Tinggi

PEMODELAN RANTAI MARKOV UNTUK PREDIKSI RISIKO DIABETES TIPE 2

OPEN DARNIUS , ENITA DEWI BR TARIGAN , YAN BATARA PUTRA SIRINGORINGO , CITRA DEWI HASIBUAN , DINARA SHABRINA WARDHANI

2025

Ipteks Bagi Kewirausahaan

PEMODELAN RANTAI MARKOV UNTUK PREDIKSI RISIKO DIABETES TIPE 2

OPEN DARNIUS

2014

Penelitian Disertasi Doktor

MODEL ESTIMASI KUANTIL EKSTRIM DARI DISTRIBUSI SUATU PEUBAH ACAK

OPEN DARNIUS

2017

Penelitian Kompetensi

Analisis Faktor Ketimpangan Pendapatan Regional Berdasarkan Dekomposisi Indeks Theil dan Koefisien Variasi Terbobot di Provinsi Sumatera Utara

Community Services

2025

Panitia Natal

SURANTA PRATAMA GINTING MANIK , OPEN DARNIUS

2022

Ipteks Bagi Masyarakat

SURVEY DAN ANALISIS DISKRIPITIF STATISTIK MINAT BUDI DAYA PERIKANAN PASCA PANDEMI COVID 19 DI WILAYAH KERJA MAMRE KLASIS MEDAN DELI TUA; Pelatihan Budi daya Perikanan Alternatif Solusi Meningkatkan Minat Menunjang Perekonomian Masyarakat

OPEN DARNIUS , ENITA DEWI BR TARIGAN

2019

KKN Pembelajaran Pemberdayaan Masyarakat

Ceramah Motivasi Belajar Matematika Dan Pembelajaran Berbasis Lembar Kerja Siswa Di SD Ngeri 010247 Desa Silo Kecamatan Silau Laut Kabupaten Asahan

OPEN DARNIUS

2011

Pelatihan Penggunaan Software MATLAB sebagai Alat Komputasi dalam Membantu Proses Pembelajaran dan Penelitian Matematika bagi Guru-Guru SMA/AMK di Kecamatan Pancur Batu

OPEN DARNIUS

2019

KKNPM Pemberdayaan Masyarakat Melalui Pengembangan Potensi Budaya Lokal, Pendidikan dan Kesehatan dalam Rangka Peningkatan Sumber Daya Manusia

OPEN DARNIUS

2012

Pelatihan Peningkatan Kompetensi Guru SD Negeri 105370, Desa Petuaran Hilir, kecamatan Pegajahan, Kabupaten serdang Bedagai

OPEN DARNIUS , PASUKAT SEMBIRING

Intellectual Property Rights

2021

Hak cipta nasional

Tera Tera Ulang Alat Ukur Takar Timbang Dan Sosialisasi Fakultas Vokasi USU

JUNEDI GINTING , PARLINDUNGAN , HOTLAN SIAHAAN , SAMERDANTA SINULINGGA , TULUS JOSEPH HERIANTO , YAN BATARA PUTRA SIRINGORINGO , GUSTANTO , OPEN DARNIUS , NORMALINA NAPITUPULU , ALBERT PASARIBU , ASIMA MANURUNG , CITRA DEWI HASIBUAN , ENITA DEWI BR TARIGAN , RIKO ANDIKA RAHMAT POHAN , LUKMAN HAKIM
