



CURRICULUM VITAE

Nama Lengkap : Dr. Gumgum Darmawan, S.Si., M.Si
Tempat, Tanggal lahir : Bandung, 18 Mei 1973
Jenis Kelamin : Laki-Laki
Agama : Islam
NIP/ NIDN : 19730518 200012 1 001 / 0018057302
Pangkat (Gol/Ruang) : Penata Tingkat I (Gol.III/d)
Jabatan Fungsional : Lektor Kepala
Bidang Ilmu : Sosiometrik dan Runtun Waktu
Bidang Kajian : Quality Control
Scopus : <https://www.scopus.com/authid/detail.uri?authorId=57193953012>
Google Scholar : <https://scholar.google.com/citations?hl=en&user=okt0MdsAAAAJ>
Sinta : <https://sinta.kemdikbud.go.id/authors/profile/6083056>
Alamat : Jl. Neglasari Vi No. 23 RT 03 RW 20
Desa/ Kel / Kecamatan: Cileunyi/ Cileunyi Kulon
Kab/ Kota/ Provinsi : Kabupaten Bandung/ Jawa Barat
Negara : Indonesia
Kode Pos : 40621
Telephon/HP. : +6285220375596 / +6285220375596
E-mail : gumgum@unpad.ac.id ; gumstat@gmail.com
Blog : <https://daistat.databasic.online/gumgum-darmawan/>

Latar Belakang Pendidikan Tinggi

Program Studi	Universitas / Institut	Gelar	Tahun Lulus
Sarjana Statistika (S-1)	Statistika, FMIPA, Universitas Padjadjaran	S.Si	18 Mei 1998
Magister Statistika (S-2)	Statistika, FMIPA, Institut Teknologi Sepuluh Nopember	M.S	28 Agustus 2008
Doktor Matematika (S-3)	Matematika, FMIPA, Universitas Gadjah Mada	Dr.	26 Oktober 2022

Publikasi 5 Tahun Terakhir: (2020-2025)

Jurnal Internasional

TAHUN	Judul Dokumen/ Penulis
2024	Lunar Calendar Usage to Improve Forecasting Accuracy Rainfall via Machine Learning Methods Gumgum Darmawan*, Gatot Riwi Setyanto, Defi Yusti Faidah, Budhi Handoko
2024	Fine-Tuning of Predictive Models CNN-LSTM and CONV-LSTM for Nowcasting PM2.5 Level Tafia Hasna Putri, Rezzy Eko Caraka, Toni Toharudin, Yunho Kim, Rung-Ching Chen, Prana Ugiana Gio, Anjar Dimara Sakti, Resa Septiani Pontoh, Indah Reski Pratiwi, Farid Azhar Lutfi Nugraha, Thalita Safa Azzahra, Jessica Jesslyn Cerelia, Gumgum Darmawan, Defi Yusti Faidah, Bens Pardamean.
2024	Metabolite profiling of potential bioactive fractions from ethanol extract of Boehmeria nivea flowers by GCMSMS analysis Asri Peni Wulandari, Zahra Khira Nafisa, Tati Herlina, Rani Maharani, Gumgum Darmawan, Arli Aditya Parikesit, Rahadian Zainul
2024	Characterization method for more than three dimensions based on dependence and correlation using hybrid multiple correspondence analysis Dhanti Aurilia Pratiwi, Irlandia Ginanjar, Titi Purwandari, Anindya Apriliyanti Pravitasari, Gumgum Darmawan
2024	Spatial clusters and determinants of the high incidence of diarrhea in children Defi Yusti Faidah, Gumgum Darmawan, Bertho Tantular, Resa Septiani Pontoh, Ashilla Maula Hudzaifa, Hartayuni Sain
2023	Enhancing 3D Lung Infection Segmentation with 2D U-Shaped Deep Learning Variants Anindya Apriliyanti Pravitasari*, Mohammad Hamid Asnawi, Farid Azhar Lutfi Nugraha, Gumgum Darmawan, Triyani Hendrawati

TAHUN	Judul Dokumen/ Penulis
2023	Boosting Algorithm to Handle Unbalanced Classification of PM2.5 Concentration Levels by Observing Meteorological Parameters in Jakarta-Indonesia Using AdaBoost XGBoost CatBoost and LightGBM Toni Toharudin, Rezzy Eko Caraka, Indah Reski Pratiwi, Yunho Kim, Prana Ugiana Gio, Anjar Dimara Sakti, Maengseok Noh, Farid Azhar Lutfi Nugraha, Resa Septiani Pontoh, Tafia Hasna Putri, Thalita Safa Azzahra, Jessica Jesslyn Cerelia, Gumgum Darmawan, Bens Pardamean
2023	Improving the Forecasting Accuracy Based on the Lunar Calendar in Modeling Rainfall Levels Using the Bi-LSTM Method through the Grid Search Approach Gumgum Darmawan, Budhi Handoko, Defi Yusti Faidah, Dian Islamiaty
2023	Does mobility restriction significantly control infectious disease transmission Accounting for non-stationarity in the impact of COVID-19 based on Bayesian spatially varying coefficient models I Gede Nyoman Mindra Jaya, Anna Chadidjah, Farah Kristiani, Gumgum Darmawan, Jane Christine Princidy
2022	Lung and Infection CT-Scan-Based Segmentation with 3D UNet Architecture and Its Modification Mohammad Hamid Asnawi, Anindya Apriliyanti Pravitasari, Gumgum Darmawan, Triyani Hendrawati, Intan Nurma Yulita, Jadi Suprijadi, Farid Azhar Lutfi Nugraha
2021	Comparison of Differencing Parameter Estimation Using Spectral Regression for Short Memory Data (Simulation Study) Ferdian Agustiana, Gumgum Darmawan , Septiadi Padmadisastra , Asnan Furinto
2020	Daily Forecast for COVID-19 During Ramadhan by Singular Spectrum Analysis in Indonesia Gumgum Darmawan, Dedi Rosadi, Budi Nurani Ruchjana

Publikasi 5 Tahun Terakhir: (2020-2025)

Prosiding Internasional

TAHUN	Judul Dokumen/ Penulis
2024	The Influence of Vitamins, Comorbid Status and Advanced Age in Modelling Survival Time for Covid-19 Patients Using the Cox Proportional Hazard Model in Southeast Sulawesi Ruslan Ruslan, Anida Nur Azizah, Herdi Budiman, Gumgum Darmawan, Toni Toharuddin, Yusep Suparman

2024	LSTM-Driven Forecasting of Surface Temperature Trends in Indonesia as Insights Into Climate Change Rezzy Eko Caraka, Prana Ugiana Gio, Valerie Vincent Yang, Fadhlan Adam Firdaus, Rahma Ariza Riantika, Ginta Yufendi Laura, Aufa Fikriya, Gumgum Darmawan, Resa Septiani Pontoh
2024	Weekly forecast Indonesian currency during Ramadhan Gumgum Darmawan; Wirawan Setialaksana; Ina Kusriani; Syahrul Ganda Sukmaya; Arnita; Mulianta Ginting; Dedi Rosadi; Budi N. Ruchjana
2022	Differencing effect in series-parallel architecture of NARX model for time series forecasting Hermansah; Dedi Rosadi; Abdurakhman; Herni Utami; Gumgum Darmawan
2021	Autocorrelation analysis of COVID-19 based on hijri calendar Gumgum Darmawan, D Rosadi, BN Ruchjana, Hermansah
2021	Covid-19 daily forecasting during ramadhan in countries with high muslim population Gumgum Darmawan, D Rosadi, B N Ruchjana

Publikasi 5 Tahun Terakhir: (2020-2025)

Jurnal Nasional

TAHUN	Judul Dokumen/ Penulis
2024	Enhancing PM 2.5 Prediction In Kemayoran District, DKI Jakarta Using Deep Bilstm Method Nabila Karin, Gumgum Darmawan, Triyani Hendrawati
2024	The Implementation of Latent Gaussian Model in the Forecasting Process Elyn Prina , Yusep Suparman , Gumgum Darmawan
2024	Prediksi Harga Saham Syariah menggunakan Bidirectional Long Short Term Memory (BiLSTM) dan Algoritma Grid Search Dian Islamiaty Puteri, Gumgum Darmawan, Budi Nurani Ruchjana
2024	Comparative Analysis of Fourier Series Analysis and Holtwinters Methods on Forecasting Additive Seasonal Data Widi Wildani Alfarisi, Zhafira Haura, Dhanti Aurilia Pratiwi, Fariza Alamanda Putri, Ery Sadewo, Gumgum Darmawan
2024	Peramalan Konsumsi Gas Alam Amerika Serikat dengan Double Seasonality menggunakan Singular Spectrum Analysis (SSA) Qurnia Amanah Dwiadi, Ayu Indriani, Theresia Samaria Nauli, Hani Nurhapilah, Gumgum Darmawan

2023	Membangun Sistem Antrian Online Untuk Bimbingan Tugas Akhir Building Queuing Online System For Final Assignments Guidance Gumgum Darmawan, Zen Munawar, Cecep Kurnia Sastradipraja, Novianti Indah Putri, Sri Sutjiningtyas
2023	Parents Understanding of the Safety and Comfort in Using Gadgets for Children Anindya Apriliyanti Pravitasari, Mulya Nurmansyah Ardisasmita, Fajar Indrayatna, Intan Nurma Yulita, Triyani Hendrawati, Gumgum Darmawan
2023	Penerapan Metode Grey-Markov(1,1) Untuk Peramalan Penerimaan di Kantor Pengawasan dan Pelayanan Bea Cukai Tipe Madya Pabean Cikarang Callista Audrey Mulya, Gumgum Darmawan, Defi Yusti Faidah, Atina Ahdika
2023	Extreme Gradient Boosting Method Forecasting Rainfall in Lembang District, West Java Province Salma Azzahra Putri, Gumgum Darmawan, Restu Arisanti, Chrysentia Clarissa Clorinda
2023	Peramalan Deret Waktu Curah Hujan Di Kota Cirebon Menggunakan ARFIMA Muhammad Rhafi Ahdian, Ayu Sangrila, Aulia Rahman Al Madan, Nuzila Ismatillah, Shabira Aliya Auliyazhafira, Gumgum Darmawan
2023	Pemodelan SARIMA dengan Pendekatan ARCHGARCH untuk Meramalkan Penjualan Ritel Barang Elektronik Laila Budianti, Janatin Janatin, Muhammad Yasyfi Avicenna, Aisha Kusuma Putri, Gumgum Darmawan
2023	Model Peramalan Double Seasonal Pada Data Konsumsi Gas Alam Amerika Serikat Dengan Pendekatan Analisis Spektral Dila Fitriani Azuri, Najma Rafifah Putri Syallya, Sandrina Najwa, Wanda Alifia, Gumgum Darmawan
2023	Perbandingan Model Bidirectional-LSTM dan Singular Spectrum Analysis dalam Peramalan Harga Cabai Gumgum Darmawan, Nurul Gusriani, Ruslan Ruslan, Ferdian Agustiana, Rizal Amegia Saputra
2022	Forecasting Covid-19 In Indonesiawith Various Time Series Models Gumgum Darmawan, Dedi Rosadi, Budi Nurani Ruchjana, Resa Septiani Pontoh, Asrirawan, Wirawan Setialaksana
2022	Hybrid Model of Singular Spectrum Analysis and ARIMA for Seasonal Time Series Data Gumgum Darmawan, Dedi Rosadi, Budi N Ruchjana
2021	Perancangan Arsitektur Sistem Informasi Absensi dan Penggajian Menggunakan Framework Zachman (Studi Kasus: PT. XYZ Realty) Cecep Kurnia Sastradipraja, Gumgum Darmawan, Juandi Hadi

Publikasi 5 Tahun Terakhir: (2020-2025)

Prosiding Nasional

TAHUN	Judul Dokumen/ Penulis
2024	Pemodelan Fungsi Transfer dalam Memprediksi Harga Beras di Indonesia Nuri Siti Febrina, Gumgum Darmawan, Restu Arisanti
2024	Konstruksi Service Table Menggunakan Regresi Logistik Multinomial Untuk Menentukan Manfaat Iuran Pasti Studi Kasus Dana Pensiun XYZ Latansa Tsabbita Mahmudi, Gatot Riwi Setyanto, Gumgum Darmawan
2024	Prediksi Konsentrasi PM2.5 Alat Low-Cost Sensor Menggunakan Model Regresi Berganda Dengan Algoritma Gradient Descent Nabila Zahra Ekaputri, Yuyun Hidayat, Gumgum Darmawan
2023	Peramalan Ketahanan Ekonomi Dengan Menggunakan Model Grey-Markov Firyfa Fatin Rahmadanti, Yuyun Hidayat, Gumgum Darmawan

Semua data yang saya isikan dan tercantum dalam biodata ini adalah benar dan dapat dipertanggungjawabkan secara hukum. Apabila di kemudian hari ternyata dijumpai ketidaksesuaian dengan kenyataan, saya sanggup menerima sanksi.

Jatinangor, 05 Maret 2025
Yang Membuat,

Dr. Gumgum Darmawan, S.Si., M.Si
NIP. 197305182000121001