

MATHEMATICS 2024

STAFF HANDBOOK

UNDERGRADUATE PROGRAM OF MATHEMATICS
DEPARTMENT OF MATHEMATICS
FACULTY OF MATHEMATICS AND NATURAL SCIENCES
UNIVERSITAS MULAWARMAN

@math_fmipaunmul



<https://math.fmipa.unmul.ac.id/>



Jl. Barong Tongkok No.04 Kampus Universitas Mulawarman,
Gunung Kelua Samarinda, Kalimantan Timur 75123



Dr. Syaripuddin., S.Si., M.Si.

NIP 19740112 200012 1 002

NIDN 0012017405



PUBLICATION & CONFERENCE EXPERIENCE

- Syaripuddin, S., A'yun, Q. Q., Indarsih, I., Solikhatus, S., Isnaini, U., Wahyuni, S., ... & Putra, F. B. (2023). Pelatihan Geogebra untuk Peningkatan Kompetensi Guru MGMP Matematika SMA/MA Kota Samarinda. *Journal of Research Applications in Community Service*, 2(4), 119-128.
- Amijaya, F. D. T., Wasono, W., Syaripuddin, S., Nasution, Y. N., & Siringoringo, M. (2022). PELATIHAN MATEMATIKA DAN STATISTIKA CERDIK (CERDAS DAN ASYIK) UNTUK IBU-IBU DI DESA BUKIT RAYA KECAMATAN TENGGARONG SEBERANG. *Journal of Social Outreach*, 1(2), 75-83.
- Amijaya, F. D. T., Syaripuddin, S., A'yun, Q. Q., Nasution, Y. N., Wasono, W., & Huda, M. (2022). Hill Cipher algorithm using two keywords and 94 ASCII characters. In *AIP Conference Proceedings (Vol. 2668, No. 1)*. AIP Publishing..
- Puspitasari, C. I., Wasono, W., & Huda, M. N. (2023). Penerapan Fuzzy Teori Permainan dalam Menentukan Strategi Optimal Provider di Bengalon. *Basis: jurnal ilmiah matematika*, 2(2), 22-32.
- Wasono, W., Syaripuddin, S., & Nohe, D. A. (2022,). Analysis of service provider marketing strategy in achieving customer loyalty using game theory for senior high school students in Samarinda city. In *AIP Conference Proceedings (Vol. 2668, No. 1)*. AIP Publishing.
- Rinaldi, R., Goejantoro, R., & Syaripuddin, S. (2021). Penerapan Metode Klasifikasi Multinomial Naive Bayes. *EKSPONENSIAL*, 12(2), 111-118.
- Septiyanor, H., Syaripuddin, S., & Goejantoro, R. (2021). Perancangan Aplikasi Peramalan untuk Metode Exponential Smoothing Menggunakan Aplikasi Lazarus (Studi Kasus: Data Konsumsi Listrik Kota Samarinda). *ESTIMASI: Journal of Statistics and Its Application*, 57-70.
- Dewi, I., Syaripuddin, S., & Hayati, M. N. (2021). Pengelompokan Data Kategorik Dengan Algoritma Robust Clustering Using Links.

RESEARCH INTEREST

- Optimization
- Applied Mathematics

FORMAL EDUCATIONS

S1 (Mathematics)

Hasanuddin University, Indonesia,
Graduate 1997

S2 (Mathematics)

Bandung Institute of Technology,
Indonesia, Graduate 2002

S3 (Mathematics)

Airlangga University, Indonesia,
Graduate 2018

CONTACT

EMAIL

syarifrahman2014@gmail.com

SCOPUS ID

58709267600

SINTA ID

6732678

Yuki Novia Nasution, S.Si., M.Sc

NIP 19841127 200812 2 001

NIDN 0027118403



PUBLICATION & CONFERENCE EXPERIENCE

- Devira, A., Nasution, Y., & Suyitno, S. (2023). Peramalan Pendapatan Asli Daerah Kota Samarinda Menggunakan Metode Double Exponential Smoothing Dari Brown. *EKSPONENSIAL*, 14(1), 41-46.
- Feronica, E., Nasution, Y. N., & Purnamasari, I. (2022). Optimasi Algoritma Naïve Bayes Menggunakan Algoritma Genetika Untuk Memprediksi Kelulusan. *EKSPONENSIAL*, 13(2), 147-152.
- Ningtyas, R. A., Nasution, Y. N., & Syaripuddin, S. (2022). Pengelompokan Kabupaten/Kota Di Pulau Kalimantan Dengan Fuzzy C-Means Berdasarkan Indikator Kemiskinan. *EKSPONENSIAL*, 13(2), 141-146.
- Amijaya, F. D. T., Syaripuddin, S., A'yun, Q. Q., Nasution, Y. N., Wasono, W., & Huda, M. (2022, October). Hill Cipher algorithm using two keywords and 94 ASCII characters. In *AIP Conference Proceedings* (Vol. 2668, No. 1). AIP Publishing.
- Khaerunnisa, N. A., Nasution, Y. N., & Huda, M. N. (2022). Analisis Kestabilan Model Epidemik SEI Pada Penyebaran Penyakit Tuberkulosis. *Basis: Jurnal Ilmiah Matematika*, 1(1), 16-29.
- Pratiwi, S., Nasution, Y. N., & Huda, M. N. (2022). Analisis Model Matematika Predator-Prey Perikanan Pada Ekosistem Perairan Tercemar. *BASIS: Jurnal Ilmiah Matematika*, 1(1), 51-60.
- Khasanah, L. U., Nasution, Y. N., & Amijaya, F. D. T. (2022). Klasifikasi Penyakit Diabetes Melitus Menggunakan Algoritma Naïve Bayes Classifier. *Basis: Jurnal Ilmiah Matematika*, 1(1), 41-50.
- Rahman, S. E., Yusuf, M., & Nasution, Y. N. (2022). Numerical Study of Hydrodynamics in the waters of Balikpapan Bay using Finite Volume Method. *GEOSAINS KUTAI BASIN*, 5(1), 8-15.
- Rakhmawaty, N., Nasution, Y. N., & Amijaya, F. D. T. (2022). Perbandingan Metode K-Means Dan Metode Fuzzy C-Means (FCM) Pada Analisis Kinerja Pegawai PT. Cemara Khatulistiwa Persada Bontang. *EKSPONENSIAL*, 13(1), 63-70.

RESEARCH INTEREST

- Applied Mathematics
- Mathematics Epidemiology

FORMAL EDUCATIONS

S1 (Mathematics)

Bandung Institute of Technology, Indonesia, Graduate 2006

S2 (Mathematics)

Gadjah Mada University, Indonesia, Graduate 2013

S3 (Mathematics)

Bandung Insitute of Technology, Indonesia (on going)

CONTACT

EMAIL

yuki.novia.n@fmipa.unmul.ac.id

ORCID

<https://orcid.org/0000-0003-3082-1486>

SCOPUS ID

[57210921032](#)

SINTA ID

[6020166](#)

Wasono, S.Si., M.Si.

NIP 19810712 202321 1 011

NIDN 0012078110



PUBLICATION & CONFERENCE EXPERIENCE

- Hermawan, Q. F., Khoirunisa, N., Riza, M., Sihotang, Z., & Wasono, W. (2023). Karakteristisasi Batu Bara Berdasarkan Analisis Proksimat pada Pasokan Batu Bara di PLTU "Pelita" Periode 2019. *Jurnal Geosaintek*, 9(3), 194-203.
- Mangngiri, I., A'yun, Q. Q., & Wasono, W. (2023). An Order-P Tensor Multiplication With Circulant Structure. *BAREKENG: Jurnal Ilmu Matematika dan Terapan*, 17(4), 2293-2304.
- Hermawan, Q. F., Wasono, W., Khoirunisa, N., Riza, M., & Sihotang, Z. (2023). Karakteristik Pasokan Batu Bara di PLTU "Damar" Periode 2019-2021 Berdasarkan Analisis Proksimat dan Nilai Kalor. *Rekayasa Hijau: Jurnal Teknologi Ramah Lingkungan*, 7(3), 209-217.
- Putri, D. F., Amijaya, F. D. T., Wasono, W., Raming, I., Wigantono, S., Syaripuddin, S., ... & Sahputra, D. R. (2023). Pelatihan Olimpiade Sains Nasional (OSN) Bidang Matematika untuk Siswa-Siswi SMA/MA di Kota Samarinda. *Journal of Research Applications in Community Service*, 2(3), 71-78.
- Amijaya, F. D. T., Syaripuddin, S., Wasono, W., Huda, M. N., A'yun, Q. Q., Asmaidi, A., ... & Novia, H. (2023). Pelatihan Pengerjaan Tes Kemampuan Akademik (TKA) Bidang Matematika Untuk Siswa Kelas 12 SMA Kota Samarinda. *Journal of Social Outreach*, 2(1), 48-56.
- Wasono, W., Syaripuddin, S., & Nohe, D. A. (2022, October). Analysis of Service Provider Marketing Strategy in Achieving Customer Loyalty Using Game Theory For Senior High School Students in Samarinda City. *In AIP Conference Proceedings*, 2668 (1). AIP Publishing.
- Amijaya, F. D. T., Syaripuddin, S., A'yun, Q. Q., Nasution, Y. N., Wasono, W., & Huda, M. (2022, October). Hill Cipher algorithm using two keywords and 94 ASCII characters. *In AIP Conference Proceedings*, 2668(1). AIP Publishing.

RESEARCH INTEREST

- Applied Mathematics
- Statistics

FORMAL EDUCATIONS

S1 (Mathematics)

Jenderal Soedirman University, Indonesia, Graduate 2005

S2 (Statistics)

Sepuluh Nopember Institute of Technology, Indonesia, Graduate 2014

CONTACT

EMAIL

wasono@fmipa.unmul.ac.id

ORCID

<https://orcid.org/0009-0007-6812-7541>

SCOPUS ID

57934885600

SINTA ID

6161273

Fidia Deny T. A., S.Si., M.Si.

NIP 19880201 201504 1 003

NIDN 0001028804



PUBLICATION & CONFERENCE EXPERIENCE

- Amijaya, F. D. T., Syaripuddin, S., Wasono, W., Huda, M. N., A'yun, Q. Q., Asmaidi, A., ... & Novia, H. (2023). Pelatihan Pengerjaan Tes Kemampuan Akademik (TKA) Bidang Matematika Untuk Siswa Kelas 12 SMA Kota Samarinda. *Journal of Social Outreach*, 2(1), 48-56.
- Rahayu, N., Wasono, W., & Amijaya, F. D. T. (2023). Klasifikasi Batubara Berdasarkan Jenis Kalori dengan Menggunakan Perbandingan Jarak Euclid, Jarak Manhattan, dan Jarak Minkowski pada Algoritma Modified K-Nearest Neighbor (Studi Kasus: PT. XYZ Samarinda). *Basis: Jurnal Ilmiah Matematika*, 2(1), 1-10.
- Amijaya, F.D.T., Wasono, W., Syaripuddin, P., Nasution, Y.N., Siringoringo, M. (2022). Pelatihan Matematika dan Statistika Cerdik (Cerdasa dan Asyik) Untuk Ibu-Ibu di Desa Bukit Raya Kecamatan Tenggarong Seberang. *Journal of Social Outreach*, 1(2), 75-83.
- Amijaya, F. D. T., Syaripuddin, S., A'yun, Q. Q., Nasution, Y. N., Wasono, W., & Huda, M. (2022, October). Hill Cipher algorithm using two keywords and 94 ASCII characters. In *AIP Conference Proceedings* (Vol. 2668, No. 1). AIP Publishing.
- Sifriyani, S., Mandang, I., Amijaya, F. D. T., & Ruslan, R. (2022). Developing Geographically Weighted Panel Regression Model for Spatio-Temporal Analysis of Covid-19 Positive Cases in Kalimantan, Indonesia. *Journal of Southwest Jiaotong University*, 57(3).
- Imasdiani, I., Purnamasari, I., & Amijaya, F. D. T. (2022). Perbandingan Hasil Analisis Cluster Dengan Menggunakan Metode Average Linkage Dan Metode Ward. *EKSPONENSIAL*, 13(1), 9-18.
- Sifriyani, S., Mandang, I., & Amijaya, F. D. T. (2022, October). Geographically temporally weighted regression model for GIS mapping of influence COVID-19 in East Kalimantan. In *AIP Conference Proceedings* (Vol. 2668, No. 1). AIP Publishing.

RESEARCH INTEREST

- Applied Mathematics
- Data Mining
- Computational Intelligence

FORMAL EDUCATIONS

S1 (Mathematics)

Brawijaya University, Indonesia
Graduate 2011

S2 (Mathematics)

Brawijaya University, Indonesia
Graduate 2013

CONTACT

EMAIL

fidiadta@fmipa.unmul.ac.id

ORCID

<https://orcid.org/0000-0002-5121-6077>

SCOPUS ID

57210912173

SINTA ID

6016604

Moh. Nurul Huda, S.Si., M.Si.

NIP 19900627 202203 1 004

NIDN 0027069005



PUBLICATION & CONFERENCE EXPERIENCE

- Huda, M. N., A'yun, Q. Q., Wigantono, S., Sandariria, H., Raming, I., & Asmaidi, A. (2023). Effects of harvesting and planktivorous fish on bioeconomic phytoplankton-zooplankton models with ratio-dependent response functions and time delays. *Chaos, Solitons & Fractals*, 173, 113736.
- Huda, M. N. (2021). Real Time Epidemic Modeling Using Richards Model: Application for The Covid-19 Outbreak in East Kalimantan, Indonesia. In *Journal of Physics: Conference Series*, 1751 (1), 012025. IOP Publishing.
- Sari, A. R. M., Sifriyani, S., & Huda, M. N. (2023). Regression Nonparametric Spline Estimation on Blood Glucose of Inpatients Diabetes Mellitus at Samarinda Hospital. *BAREKENG: Jurnal Ilmu Matematika dan Terapan*, 17(1), 0147-0154.
- Wigantono, S., Huda, M. N., A'yun, Q. Q., Sandariria, H., Sahputra, D. R., & Janan, T. (2023). Invers Moore-Penrose Sebagai Representasi Matriks Proyeksi Orthogonal. *MAp (Mathematics and Applications) Journal*, 5(1), 1-8.
- Indar, B., Huda, M. N., Syaripuddin, S. (2023). Analysis of a Discrete Predator-Prey Model for Controlling The Extinction of The Pesut Mahakam (*Orcaella brevirostris*) with Toxic Effect at The Mahakam River. *Jurnal Matematika, Statistika dan Komputasi*, 20(1), 196-206.
- Rohman, M., Eryilmaz, I., Huda, M. N. (2023). Neutral Caputo-Fabrizio Fractional Differential Equation with Hyers-Ulam Stability. *The Indonesian Journal of Mathematics and Applications*, 1(2), 1-12.
- Amijaya, F. D. T., Syaripuddin, S., A'yun, Q. Q., Nasution, Y. N., Wasono, W., & Huda, M. (2022). Hill Cipher Algorithm Using Two Keywords and 94 ASCII Characters. In *AIP Conference Proceedings*, 2668(1). AIP Publishing.

RESEARCH INTEREST

- Applied Mathematics
- Mathematical Biology
- Dynamical Systems

FORMAL EDUCATIONS

S1 (Mathematics)

Brawijaya University, Indonesia,
Graduate 2013

S2 (Mathematics)

Brawijaya University, Indonesia,
Graduate 2017

S3 (Mathematics)

Brawijaya University, Indonesia,
(on going)

CONTACT

EMAIL

muh.nurulhuda@fmipa.unmul.ac.id

ORCID

<https://orcid.org/0000-0002-9365-7110>

SCOPUS ID

[57222377287](https://orcid.org/0000-0002-9365-7110)

SINTA ID

[6695742](https://orcid.org/0000-0002-9365-7110)

Qonita Qurrota A'., S.Si., M.Sc.

NIP 19930326 202012 2 008

NIDN 0026039305



PUBLICATION & CONFERENCE EXPERIENCE

- Huda, M. N., A'yun, Q. Q., Wigantono, S., Sandariria, H., Raming, I., & Asmaidi, A. (2023). Effects of Harvesting and Planktivorous Fish on Bioeconomic Phytoplankton-Zooplankton Models with Ratio-Dependent Response Functions and Time Delays. *Chaos, Solitons & Fractals*, 173, 113736.
- A'yun, Q. Q. (2022). Analysis of Stability Covid19 Spread Mathematical Model Type SV1V2EIR Regarding Both Vaccinated and Not Vaccinated Human Population. *Jurnal Inotera*, 7(1), 1-11.
- A'yun, Q. Q., Sandariria, H., & Wigantono, S. (2022). Pemetaan Bijektif yang Mengawetkan Solvabilitas di Aljabar Lie. Basis: *Jurnal Ilmiah Matematika*, 1(1), 95-105.
- A'yun, Q. Q. (2023). Integer Programming Application to Optimize Profit of Samarinda Special Souvenir Production. *Jurnal Inotera*, 8(2), 290-294.
- Syaripuddin, S., A'yun, Q. Q., Indarsih, I., Solikhatus, S., Isnaini, U., Wahyuni, S., ... & Putra, F. B. (2023). Pelatihan Geogebra untuk Peningkatan Kompetensi Guru MGMP Matematika SMA/MA Kota Samarinda. *Journal of Research Applications in Community Service*, 2(4), 119-128.
- Mangngiri, I., A'yun, Q. Q., & Wasono, W. (2023). An Order-P Tensor Multiplication with Circulant Structure. *BAREKENG: Jurnal Ilmu Matematika dan Terapan*, 17(4), 2293-2304.
- Wigantono, S., Huda, M. N., A'yun, Q. Q., Sandariria, H., Sahputra, D. R., & Janan, T. (2023). Invers Moore-Penrose sebagai Representasi Matriks Proyeksi Orthogonal. *MAp (Mathematics and Applications) Journal*, 5(1), 1-8.
- Amijaya, F. D. T., Syaripuddin, S., A'yun, Q. Q., Nasution, Y. N., Wasono, W., & Huda, M. (2022). Hill Cipher Algorithm Using Two Keywords and 94 ASCII Characters. In *AIP Conference Proceedings*, 2668, (1). AIP Publishing.

RESEARCH INTEREST

- Abstract Algebra
- Linear Algebra

FORMAL EDUCATIONS

S1 (Mathematics)

Gadjah Mada University, Indonesia,
Graduate 2017

S2 (Mathematics)

Gadjah Mada University, Indonesia,
Graduate 2019

CONTACT

EMAIL

qonitaqurrota@fmipa.unmul.ac.id

ORCID

<https://orcid.org/0009-0001-8995-6468>

SCOPUS ID

[57205258693](#)

[57934423700](#)

SINTA ID

[6801173](#)

Asmaidi., S.Pd., M.Si.

NIP 19880508 202012 1 008

NIDN 1308058802



PUBLICATION & CONFERENCE EXPERIENCE

- As Med, A., Mulyadi, T.K., Putri, D.F., & Tumilaar, R. (2023). SEIRS Type Mathematical Model Simulation (COVID19 Case). *Jurnal Inotera*, 8(2), 359-366.
- Huda, M. N., A'yun, Q. Q., Wigantono, S., Sandariria, H., Raming, I., & Asmaidi, A. (2023). Effects of Harvesting and Planktivorous Fish on Bioeconomic Phytoplankton-Zooplankton Models with Ratio-Dependent Response Functions and Time Delays. *Chaos, Solitons & Fractals*, 173, 113736.
- As Med, A., Syaripuddin, Dadan Hamdani, & Resky Rusnanda. (2023). Stability Analysis of Mathematical Model of Spread of Covid19 SEIRS Type with Constant Birth Rate. *Jurnal Inotera*, 8(1), 162-171.
- As Med, A., & A'yun, Q. Q. (2022). Analysis of Stability Covid19 Spread Mathematical Model Type SV1V2EIR Regarding Both Vaccinated and Not Vaccinated Human Population. *Jurnal Inotera*, 7(1), 1-11.
- As Med, A., & Rusnanda, R. (2021). Population Behavior in the Mathematical Model of The Spread of COVID19 Type SEIRS. *Jurnal Inotera*, 6(2), 83-88.
- Fajri, N., & Asmaidi, A. (2020). Application of Kumon Learning Model to Improve Student Learning Outcomes in Economic Math Subject. *Jurnal Inotera*, 5(2), 85-91.
- Rusnanda, R., & Asmaidi. (2018). Improvement of Mathematical Problem Solving Ability Through Problem Based Learning Model In Applied Mathematics Course II In Industrial Engineering Program of Polytechnic of South Aceh. *Jurnal Inotera*, 3(1), 40-52.
- Asmaidi, A., and Eka D. Suryanto. (2018). Mathematics Modeling of Diabetes Mellitus Type SEIIT by Considering Treatment and Genetic Factors. *Jurnal Inotera*, 3(1). 29-39.

RESEARCH INTEREST

- Applied Mathematics
- Mathematical Biology
- Dynamical Systems

FORMAL EDUCATIONS

S1 (Mathematics Education)

Syiah Kuala University, Indonesia,
Graduate 2006

S2 (Applied Mathematics)

Bogor Institute of Agricultural,
Indonesia, Graduate 2012

CONTACT

EMAIL

asmedmat@gmail.com

SCOPUS ID

58350073100

SINTA ID

6109315

Indriasri Raming, S.Si., M.Si.

NIP 198608172022032006

NIDN 0017088608



PUBLICATION & CONFERENCE EXPERIENCE

- Hermansyah, H., & Raming, I. (2023). Analytical Model for Tidal Waves Dynamics Predictions in the Convergent Estuaries Involving Bottom Friction. *Mathematical Statistician and Engineering Applications*, 72(1), 210-221.
- Raming, I., Jabar, A., Rosi, R., Sofiatunisa, R. N., Cahyono, R. D., & Pridiptama, R. P. (2022). Analisis Model Penelusuran Banjir Gelombang Difusi dengan Metode Duffort-Frankel di Wilayah Sungai Karang Mumus. *Basis: Jurnal Ilmiah Matematika*, 1(1), 106-114.
- Raming, I., Mangngiri, I., Mujiyarti, A., Suciati, R., Syafitri, M., Wulandari, R. A., & Mushalifah, M. (2022). Solusi Numeris Persamaan Saint Venant pada Lateral Flow Aliran Terbuka di Kanal Sempaja. *Basis: Jurnal Ilmiah Matematika*, 1(1), 115-127.
- Raming, I., Putra, A. R. R., Wulandari, W., Kaindi, Y. P., Saderisa, S., & Tulzahrah, S. (2022). Penerapan Metode Beda Hingga pada Model Matematika Aliran Banjir dari Persamaan Saint Venant. *Basis: Jurnal Ilmiah Matematika*, 1(1), 128-138.
- Raming, I., Suriamihardja, D. A., & Kusuma, J. (2019, October). Analytical Approach of Long Waves Dynamics in an Estuary (Case Study in Karang Mumus River Estuary). In *Journal of Physics: Conference Series* (Vol. 1341, No. 8, p. 082036). IOP Publishing.

RESEARCH INTEREST

- Applied Mathematics
- Partial Differential Equations (fluid dynamics)
- Numerical Analysis

FORMAL EDUCATIONS

S1 (Mathematics)

Negeri Makasar University, Indonesia,
Graduate 2004

S2 (Mathematics)

Hasanuddin University, Indonesia,
Graduate 2017

CONTACT

EMAIL

indriasriraming@fmipa.unmul.ac.id

SCOPUS ID

[57211798094](#)

SINTA ID

[6817957](#)

Hardina Sandariria, S.Si., M.Sc.

NIP 19940119 202203 2 010

NIDN 0019079403



PUBLICATION & CONFERENCE EXPERIENCE

- Huda, M. N., A'yun, Q. Q., Wigantono, S., Sandariria, H., Raming, I., & Asmaidi, A. (2023). Effects of Harvesting and Planktivorous Fish on Bioeconomic Phytoplankton-Zooplankton Models with Ratio-Dependent Response Functions and Time Delays. *Chaos, Solitons & Fractals*, 173, 113736.
- Cahyono, R. D., A'yun, Q. Q., Wasono, W., & Sandariria, H. (2023, June). Pelabelan Total Sisi Ajaib pada Graf Triangular Book Bt_n. *Seminar Nasional Matematika, Statistika dan Aplikasinya (SNMSA) Tahun 2023*.
- Sandariria, H., Syaripuddin, S., Gunardi, G., Effendie, A. R., Sifriyani, S., Dani, A. T. R., ... & Mulyadi, T. K. (2023). Peningkatan Kompetensi Guru MGMP Matematika SMA/MA Kota Samarinda dalam Pembelajaran Statistika Menggunakan Aplikasi RStudio Cloud. *Journal of Research Applications in Community Service*, 2(4), 129-137.
- Sandariria, H., A'yun, Q. Q., & Putri, D. F. (2022). Pelabelan Selimut H-Ajaib Super pada Koronasi Graf Gear dengan Graf Lintasan. *Basis: Jurnal Ilmiah Matematika*, 1(1), 1-7.
- Rahmadi, D., & Sandariria, H. (2023). Penerapan Minimum Spanning Tree dalam Menentukan Rute Terpendek Distribusi Naskah Soal USBN di SMA Negeri se-Sleman. *Basis: Jurnal Ilmiah Matematika*, 2(1), 66-71.
- Wigantono, S., Huda, M. N., A'yun, Q. Q., Sandariria, H., Sahputra, D. R., & Janan, T. (2023). Invers Moore-Penrose sebagai Representasi Matriks Proyeksi Orthogonal. *MAp (Mathematics and Applications) Journal*, 5(1), 1-8.
- Rahmadi, D., & Sandariria, H. (2023). Penerapan Minimum Spanning Tree dalam Menentukan Rute Terpendek Distribusi Naskah Soal USBN di SMA Negeri se-Sleman. *Basis: Jurnal Ilmiah Matematika*, 2(1), 66-71.

RESEARCH INTEREST

- Combinatorics
- Graph Theory
- Labeling Graph

FORMAL EDUCATIONS

S1 (Mathematics)

Gadjah Mada University, Indonesia,
Graduate 2017

S2 (Mathematics)

Gadjah Mada University, Indonesia,
Graduate 2019

CONTACT

EMAIL

hardinasandariria@fmipa.unmul.ac.id

ORCID

<https://orcid.org/0009-0007-3838-6964>

SCOPUS ID

57194857777

SINTA ID

6814403

Desi Febriani Putri, S.Si., M.Si.

NIP 19940219 202203 2 023

NIDN 0019029406



PUBLICATION & CONFERENCE EXPERIENCE

- Putri, D.F., Sandariria, H., Wasono, Kaindi, Y.P., Fendina, T.A.M. (2024). Local Antimagic Total Coloring of Path Graph and Amalgation of Path. *CGANT Journal of Mathematics and Applications*, 5(1), 11-18.
- Fauzi, A.A., Ridwan, L.M., Agustini, D., Putri, D.F., Tumilaar, R., Asmaidi, Raming, I. (2024). Natural Cubic Spline Method as a Method in Constructing a Life Table in Gegelang Village West Lombok. *Eigen Mathematics Journal*, 7(1), 56-60
- Kaindi, Y.P., Putri, D.F., Wasono, W. (2023). Pewarnaan Lokal Wilayah Super Antimagic Total Pada Graf Tangga dan Graf Tiga Tangga Melingkar. *Journal of Mathematics Education and Science*, 6(2), 93-106.
- Putri, D.F., Amijaya, F. D. T., Wasono, W., Raming, I., Wigantono, S., ..., Sahputra, D. R. (2023). Pelatihan Olimpiade Sains Nasional (OSN) Bidang Matematika untuk Siswa-Siswi SMA/MA di Kota Samarinda. *Journal of Research Applications in Community Service*, 2(3), 71-78.
- Asmaidi, Mulyadi, Taqiriri. K., Putri, D.F., Tumilaar, R. (2023). SEIRS Type Mathematical Model Simulation (COVID19 Case). *Jurnal Inotera*, 8(2), 359-366.
- Rahimi, A., Arthur, M., Nurfadillah, Amijaya, F. D. T., Putri, D.F. (2023). Implementasi Algoritma Genetika dalam Penentuan Rute Terbaik Pendistribusian BBM pada SPBU yang Ada di Samarinda. *In Seminar Nasional Matematika, Statistika dan Aplikasinya (SNMSA) Tahun 2023*.
- Sandariria, H., A'yun, Q. Q., & Putri, D. F. (2022). Pelabelan Selimut H-Ajaib Super pada Koronasi Graf Gear dengan Graf Lintasan. *Basis: Jurnal Ilmiah Matematika*, 1(1), 1-7.
- Putri, D. F., Dafik, D., & Kusbudiono, K. (2021). Analisa Pewarnaan Total r-Dinamis pada Graf Lintasan dan Graf Hasil Operasi.
- Putri, D.F., Agustin, I. H., & Alfari, R. (2018). On The Local Vertex Antimagic Total Coloring of Some Families Tree. *In Journal of Physics: Conference Series*, 1008 (1), p. 012035. IOP Publishing.
- Kusbudiono, K., Putri, D. F., Dafik, D., & Kristiana, A. I. (2017). On Total r-Dynamic Coloring of Several Classes of Graphs and Their Related Operations. *UNEJ e-Proceeding*, 331-336.

RESEARCH INTEREST

- Combinatorics
- Graph Theory
- Coloring Graph

FORMAL EDUCATIONS

S1 (Mathematics)

Jember University, Indonesia, Graduate 2012

S2 (Mathematics)

Jember University, Indonesia, Graduate 2016

CONTACT

EMAIL

desifebrianip@fmipa.unmul.ac.id

ORCID

<https://orcid.org/0000-0002-8827-6591>

SCOPUS ID

[57216024461](https://orcid.org/0000-0002-8827-6591)

SINTA ID

[6817793](https://orcid.org/0000-0002-8827-6591)

Sri Wigantono, S.Si., M.Sc.

NIP 19950512 202203 1 014

NIDN 0012059503



PUBLICATION & CONFERENCE EXPERIENCE

- Huda, M. N., A'yun, Q. Q., **Wigantono, S.**, Sandariria, H., Raming, I., & Asmaidi, A. (2023). Effects of Harvesting and Planktivorous Fish on Bioeconomic Phytoplankton-Zooplankton Models With Ratio-Dependent Response Functions and Time Delays. *Chaos, Solitons & Fractals*, 173, 113736.
- Amijaya, F. D. T., Syaripuddin, S., Wasono, W., Huda, M. N., A'yun, Q. Q., Asmaidi, A., ... & Novia, H. (2023). Pelatihan Pengerjaan Tes Kemampuan Akademik (TKA) Bidang Matematika Untuk Siswa Kelas 12 SMA Kota Samarinda. *Journal of Social Outreach*, 2(1), 48-56.
- **Wigantono, S.**, Huda, M. N., A'yun, Q. Q., Sandariria, H., Sahputra, D. R., & Janan, T. (2023). Invers Moore-Penrose Sebagai Representasi Matriks Proyeksi Orthogonal. *MAp (Mathematics and Applications) Journal*, 5(1), 1-8.
- Dani, A. T. R., Wahyuningsih, S., Putra, F. B., Fauziyah, M., **Wigantono, S.**, ... & Zen, M. A. (2023). Aplikasi Model ARIMAX dengan Efek Variasi Kalender untuk Peramalan Trend Pencarian Kata Kunci "Zalora" pada Data Google Trends.
- Putra, F.B., Dani, A. T. R., **Wigantono, S.** (2023). Penerapan Algoritma Hierarchical Clustering Dalam Pengelompokan Kabupaten/Kota di Papua Berdasarkan Indikator Kemiskinan. *MAp (Mathematics and Applications) Journal*, 5(2), 118-126.
- Putri, D.F., Amijaya, F. D. T., Wasono, W., Raming, I., **Wigantono, S.**, ..., Sahputra, D. R. (2023). Pelatihan Olimpiade Sains Nasional (OSN) Bidang Matematika untuk Siswa-Siswi SMA/MA di Kota Samarinda. *Journal of Research Applications in Community Service*, 2(3), 71-78.
- A'yun, Q. Q., Sandariria, H., & **Wigantono, S.** (2022). Pemetaan Bijektif yang Mengawetkan Solvabilitas di Aljabar Lie. *Basis: Jurnal Ilmiah Matematika*, 1(1), 95-105.

RESEARCH INTEREST

- Mathematical Modeling
- Optimal Control

FORMAL EDUCATIONS

S1 (Mathematics)

Airlangga University, Indonesia, Graduate 2012

S2 (Mathematics)

Gajah Mada University, Indonesia, Graduate 2017

CONTACT

EMAIL

sriwigantono@fmipa.unmul.ac.id

ORCID

<https://orcid.org/0009-0000-7368-4886>

SCOPUS ID

58153663900

SINTA ID

6817170

Brilly Maxel S., S.Si., M.Sc.

NIP 19940421 201803 1 001

NIDN 0021049401



PUBLICATION & CONFERENCE EXPERIENCE

- Salindeho, B. M., Assiyatun, H., & Baskoro, E. T. (2020). On The Locating-Chromatic Numbers of Subdivisions of Friendship Graph. *Journal of the Indonesian Mathematical Society*, 175-184.
- Salindeho, B. M., & Baskoro, E. T. (2019, July). Graph Coloring for Determining Angklung Distribution. *Journal of Physics: Conference Series*, 1277(1), 012033. IOP Publishing.

FORMAL EDUCATIONS

S1 (Mathematics)

Bandung Institute of Technology,
Indonesia, Graduate 2015

S2 (Mathematics)

Bandung Institute of Technology,
Indonesia, Graduate 2017

S3 (Mathematics)

National University of Singapore
(on going)

CONTACT

EMAIL

brillyms@gmail.com

SCOPUS ID

57210910311

SINTA ID

6739021

RESEARCH INTEREST

- Pure Mathematics
- Combinatorics

Rinancy Tumilaar, S.Si., M.Si.

NIP 19870118 202321 2 037
NIDN 0018018703



PUBLICATION & CONFERENCE EXPERIENCE

- Princess Angel U.M., Yohanes A.R. Langi, & Rinancy Tumilaar. (2021). SEIQR Model Analysis of COVID-19 Transmission Considering Vaccination Rate. ICON-SMART Proceedings, I, 61-69
- Rivaldo Andika Kaligis, Yohanes A.R. Langi, Rinancy Tumilaar. (2021). SEIR Model Analysis of Coronavirus Disease 2019 (Covid-19) Transmission Considering Vaccination Rates. ICON-SMART Proceedings. I, 70-75
- Yohanes AR Langi, Tohap Manurung, Christie Montolalu, Rinancy Tumilaar, Martina Langi. (2023). Sustainable harvest system optimization model of cempaka tree (*Elmerillia* sp.) in carbon trade scenario. AIP Conference Proceedings.
- Yohanes Andreas Robert Langi, Altien Jonatan Rindengan, Charles Eferaim Mongi, Rinancy Tumilaar, Martina Langi. (2019). Optimal Model to Estimate Biomass and Carbon Stock at Agroforestry Stand Cempaka (*Elmerillia* Sp) in Minahasa District. International Journal of Recent Technology and Engineering (IJRTE), Volume-8 Issue-2S7, 169-172.
- Septa Windy Nitalessy, Mans Lumiu Mananohas, Rinancy Tumilaar, Angelina Patricia Amanda, Tesalonika Angela Tumey. (2022). Maximum Distance Separable (MDS) Matrix of size $m \times m$ over Z_q . Jurnal MIPA, Volume 11(2), 56-61
- S E Chungdinata, C E J C Montolalu, M L Mananohas, R Tumilaar, N Nainggolan, A J Rindengan, Y A R Langi. (2019). Optimization of coral reef conservation based on coral larval dispersion using hamiltonian path (case study: Bunaken National Park). IOP Conference Series: Materials Science and Engineering 567 (1), 012014
- Asmaidi, Taqiri Kamal Mulyadi, Desi Febriani Putri, & Rinancy Tumilaar. (2023). SEIRS Type Mathematical Model Simulation (COVID19 Case). Jurnal Inotera, 8(2), 359-366.
- Fauzi, A.A., Ridwan, L. M., Putri, D. F., Tumilaar, R. Asmaidi, Raming, I. (2024). Natural Cubic Spline Method as a Method in Constructing a Life Table in Gegelang Village West Lombok. *Eigen Mathematics Journal*, 7(1), 56-60.

RESEARCH INTEREST

- Applied Mathematics
- Mathematical Modeling

FORMAL EDUCATIONS

S1 (Mathematics)

Sam Ratulangi University, Indonesia,
Graduate 2010

S2 (Mathematics)

IPB University, Indonesia,
Graduate 2014

CONTACT

EMAIL

rinancyt@fmipa.unmul.ac.id

ORCID

<https://orcid.org/0009-0004-1307-8904>

SCOPUS ID

57210600544

SINTA ID

6888245

Andri Azmul Fauzi, S.Si., M.Si.

NIP 19920608 202321 1 023

NIDN 0808069205



PUBLICATION & CONFERENCE EXPERIENCE

- Fauzi, A. A., Ridwan, L. M., Inayati, R., Asmaidi, A., & Tumilaar, R. (2023). Pelatihan Penggunaan Internet Aman dan Penangkalan Berita Hoax Pada Pengrajin Anyaman Bambu di Desa Loyok. *Journal of Research Applications in Community Service*, 2(4), 139-143.
- Fauzi, Andri & Anggraeni, Dara & Ridwan, Lalu. (2023). Quadratic Spline and Heligman-Pollard Methods in The Preparation of Life Tables in Gegelang Village West Lombok. *KUBIK: Jurnal Publikasi Ilmiah Matematika*, 8 (12-23).
- Ridwan, Lalu & Fauzi, Andri. (2022). Penerapan Konsep Kombinasi dan Grup Kristalografi Dua Dimensi Pada Pembangkitan Motif Anyaman. *JSAI (Journal Scientific and Applied Informatics)*, 5 (167-175).
- Ridwan, Lalu & Hidayati, Lilik & Fauzi, Andri & Agustini, Dwi & Utama, Alfian. (2022). Pelatihan Pembuatan Blog Menggunakan Blogger Pada Remaja Masjid Jami' Al-Umary di Desa Kelayu Kecamatan Selong Kabupaten Lombok Timur. *Jurnal Pengabdian Mandiri*, 1 (1557-1562).
- Fauzi, A. A., Nugrahani, E. H., Sumarno, H. (2023). Metode Quadratic Spline dan Heligman-Pollard Dalam Penyusunan Life Table Desa Gegelang Lombok Barat. *Interval: Jurnal Ilmiah Matematika*, 3(1), 38-45.
- Fauzi, A.A., Ridwan, L.M., Tumilaar, R., Inayati, R. (2024). Pelatihan Aplikasi Google Drive Sebagai Media Penyimpanan dan Media Kolaborasi Untuk Siswa SMAN 1 Batulayar. *Journal of Research Applications in Community Services*, 3(2), 47-53.
- Fauzi, A.A., Sulistyono, E. (2022). Travelling Salesman Problem Dalam Menyelesaikan Rute Optimal Pengiriman Air Minum Isi Ulang. *Jurnal Sintak*, 1(1), 31-38.
- Fauzi, A.A., Ridwan, L. M., Putri, D. F., Tumilaar, R. Asmaidi, Raming, I. (2024). Natural Cubic Spline Method as a Method in Constructing a Life Table in Gegelang Village West Lombok. *Eigen Mathematics Journal*, 7(1), 56-60.
- Fauzi, A.A., Ridwan, L.M., Agustini, D., Satriyantara, R. (2023). Aplikasi Graf Pada Metode Menghafal Juz Amma. *Jurnal Sains dan Pembelajaran Matematika*, 1(3), 59-62.

FORMAL EDUCATIONS

S1 (Mathematics)

Mataram University, Indonesia,
Graduate 2015

S2 (Mathematics)

IPB University, Indonesia
Graduate 2019

CONTACT

EMAIL

andriazmul161022@fmipa.unmul.ac.id

SINTA ID

6779178

RESEARCH INTEREST

- Applied Mathematics
- Actuarial Science

Vika Kurnia Lestari, S.Si.

Staf Administrasi



WORK EXPERIENCE

2012-now
Administration Staff
at Mathematics and Natural Sciences Faculty

FORMAL EDUCATIONS

S1 (Statistics)

Mulawarman University, Indonesia.
Graduate 2012

Undergraduate Program of Mathematics
Department of Mathematics
Faculty of Mathematics and Natural Sciences
Universitas Mulawarman

Siti Aminah, S.Kom.

Staf Administrasi



WORK EXPERIENCE

2024-now

Administration Staff
at Mathematics and Natural Sciences Faculty

2011-2023

Finance Staff
at Mathematics and Natural Sciences Faculty

FORMAL EDUCATIONS

S1 (Computer Science)

Mulawarman Uniniversity
Graduate 2011

Undergraduate Program of Mathematics
Department of Mathematics
Faculty of Mathematics and Natural Sciences
Universitas Mulawarman

Ryan Rachmad R. S.Si.

Pranata Laboratorium Pendidikan (PLP)



WORK EXPERIENCE

2024-now

Pranata Laboratorium Pendidikan (PLP)
at Laboratory of Mathematics Modeling and Machine Learning
Mathematics and Natural Sciences Faculty
Mulawarman University

2017-now

Pranata Laboratorium Pendidikan (PLP)
at Laboratory of Mathematics Computation
Mathematics and Natural Sciences Faculty
Mulawarman University

COMPUTER SKILLS

- SPSS
- R
- Canva
- Wondering Filmora

FORMAL EDUCATIONS

S1 (Statistics)

Mulawarman University, Indonesia.
Graduate 2017

Undergraduate Program of Mathematics
Department of Mathematics
Faculty of Mathematics and Natural Sciences
Universitas Mulawarman

HANDBOOK

M. Rasyid Rahman, S.Stat.

Pranata Laboratorium Pendidikan (PLP)



WORK EXPERIENCE

2019-now

Pranata Laboratorium Pendidikan (PLP)
at Laboratory of Statistics Computation
Mathematics and Natural Sciences Faculty
Mulawarman University

COMPUTER SKILLS

- Office
- SPSS
- R
- Python
- CorelDraw

FORMAL EDUCATIONS

S1 (Statistics)

Mulawarman University, Indonesia.
Graduate 2019

Undergraduate Program of Mathematics
Department of Mathematics
Faculty of Mathematics and Natural Sciences
Universitas Mulawarman

HANDBOOK

Ruli Yuniarto, S.Si.

Pranata Laboratorium Pendidikan (PLP)



WORK EXPERIENCE

2016-now

Pranata Laboratorium Pendidikan (PLP)
at Laboratory of Economic and Business Statistics
Mathematics and Natural Sciences Faculty
Mulawarman University

COMPUTER SKILLS

- Office
- SPSS
- AMOS
- EViews
- SmartPLS
- Lisrel
- WarpPLS

FORMAL EDUCATIONS

S1 (Statistics)

Mulawarman University, Indonesia.
Graduate 2016

Undergraduate Program of Mathematics
Department of Mathematics
Faculty of Mathematics and Natural Sciences
Universitas Mulawarman

HANDBOOK

Fedy Harlanto, S.Si

Pranata Laboratorium Pendidikan (PLP)



WORK EXPERIENCE

2013-now

Pranata Laboratorium Pendidikan (PLP)
at Laboratorium Statistics Computation
Mathematics and Natural Sciences Faculty
Mulawarman University

COMPUTER SKILLS

- Office
- CorelDraw
- Wondershare Filmora
- Techsmith Camtasia
- Canva

FORMAL EDUCATIONS

S1 (Statistics)

Mulawarman University, Indonesia.
Graduate 2013

Undergraduate Program of Mathematics
Department of Mathematics
Faculty of Mathematics and Natural Sciences
Universitas Mulawarman

M. Fakhurrozi, S.Kom.

Pranata Laboratorium Pendidikan (PLP)



WORK EXPERIENCE

2024-now

Pranata Laporatorium Pendidikan (PLP)
at Laboratory of Basic Mathematics
Mathematics and Natural Sciences Faculty
Mulawarman University

2019-now

IT Support
at Mathematics and Natural Sciences Faculty
Mulawarman University

2016-2019

Administration Staff
at Magister Chemistry Study Program
Mathematics and Natural Sciences Faculty
Mulawarman University

FORMAL EDUCATIONS

S1 (Statistics)

Mulawarman University, Indonesia.
Graduate 2013

Undergraduate Program of Mathematics
Department of Mathematics
Faculty of Mathematics and Natural Sciences
Universitas Mulawarman

HANDBOOK