Universitas Negeri Yogyakarta
Jl. Colombo No.1 Yogyakarta 55281
Telepon : 0274-586168

Curriculum Vitae

Kismiantini, S.Si., M.Si., Ph.D.



NIP : 197908162001122001
Email :kismi@uny.ac.id
Unit Kerja : Fakultas MIPA
Status : Tenaga Pendidik

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Riwayat Pendidikan :

Degrees:
2001: B.Sc. in Mathematics, Universitas Negeri Yogyakarta, Indonesia
2007: M.Sc. in Statistics, Institut Pertanian Bogor, Indonesia
2017: Ph.D. in Statistics, University of Nebraska-Lincoln, USA

Honors and Awards:
Peringkat I Dosen Berprestasi Universitas Negeri Yogyakarta Tahun 2021 Kategori Lektor (2021/5)
Certificate of completion for the Fulbright Scholarship Program (2017/5)
Satyalancana Karya Satya X Tahun (2016)
Teaching Assistantship in the Department of Statistics at the UNL (2015-2016)
Fulbright Indonesia DIKTI Higher Education Ph.D. Grants (2012-2015)

Keahlian :

STATISTIKA

Bidang Pendidikan :
Mata kuliah yang diampu di S1 Statistika / S1 Matematika:

- Analisis Data Kategorik
- Rancangan Percobaan
- Analisis Data dan Visualisasi
- Komputasi Statistika
- Simulasi Statistik
- Analisis Regresi
- Statistika Multivariat/Statistika Multivariat Terapan
- Biostatistika Terapan
- Analisis Mediasi Statistik
- Pemodelan Persamaan Struktural

- Pemodelan Multilevel
- Statistik Spasial
- Statistika Bayesian
- Statistika Elementer
- Statistika Matematis I/Teori Peluang
- Statistika Matematis II
- Statistika Non Parametrik

Mata kuliah yang diampu di S2 Pendidikan Matematika

- Statistika
- Pemodelan Multilevel
- Statistika Matematika I dan II

Bidang Penelitian :

Research:

- 2022/4-2022/10. Penelitian Kerjasama Internasional, DIPA UNY Grant, "Multi-trait deep learning models for genome-enabled prediction of traits measured on heterogeneous scales in plant breeding", Role: Principal Investigator (with one collaborator Professor Osval Antonio Montesinos-López, Ph.D. (Universidad de Colima, México), and two Co-applicants Bayutama Isnaini, M.Si. and Prof. Dr. Dhoriva Urwatul Wutsqa).
- 2022/3-2022/10. Penelitian Research Group, DIPA UNY Grant, "Analisis multilevel prestasi matematika siswa antar jenjang berdasarkan data PISA 2012-2018", Role: Principal Investigator (with Co-applicant Ezra Putranda Setiawan, M.Sc.).
- 2021/4-2021/10. Penelitian Kerjasama Internasional, DIPA UNY Grant, "Enhanced model of singular spectrum analysis in identifying temporal rainfall patterns in Special Region of Yogyakarta, Indonesia", Role: Principal Investigator (with one collaborator Dr. Shazlyn Milleana Shaharudin (Universiti Pendidikan Sultan Idris, Malaysia), and two co-Applicants Ezra Putranda Setiawan, M.Sc. and Prof. Dr. Dhoriva Urwatul Wutsqa).
- 2021/2-2021/6. Penelitian Research Group, DIPA UNY Grant, "Faktor-faktor yang mempengaruhi prestasi matematika siswa sekolah menengah pertama di provinsi DIY dan DKI Jakarta: Studi komparatif dengan pemodelan multilevel", Role: Principal Investigator (with Co-applicant Ezra Putranda Setiawan, M.Sc.).
- 2020/3-2020/12. Penelitian Kerjasama UT-UNY (PRI-PTJJ), "Kesejahteraan subjektif dan kebijakan publik di Indonesia", Role: Co-applicant (with Principal Investigator Dr. Susanti and with other two co-applicants Adi Cilik Pierewan, Ph.D. and Dr. Sofjan Aripin).
- 2020/3-2020/11. Penelitian Kerjasama Internasional Program Studi, DIPA UNY Grant, "Identifying rainfall patterns using robust principal component analysis coupled with bicluster analysis", Role: Co-applicant (with Principal Investigator Dr. Sri Andayani and with one another co-applicant Nikenasih Binatari, M.Si, two collaborators Dr. Shazlyn Milleana Shaharudin (Universiti Pendidikan Sultan Idris, Malaysia) and Agusta Kurniawan, M.Sc. (BMKG, Stasiun Klimatologi Kelas IV, Sleman)).
- 2020/3-2020/11. Penelitian Kerjasama Internasional Program Studi, DIPA UNY Grant, "Developing machine learning models for the predictions of agronomic phenotypes interests using high-resolution images", Role: Principal Investigator (with one collaborator Professor Osval Antonio

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Montesinos-López, Ph.D. (Universidad de Colima, Mexico), two other co-applicants Dr. Dhoriva Urwatul Wutsqa and Ezra Putranda Setiawan, M.Sc.).

- 2020/2-2020/7. Penelitian Research Group, DIPA UNY Grant, "Pemodelan multilevel untuk menyelidiki faktor-faktor yang mempengaruhi prestasi matematika siswa sekolah menengah pertama: sampel PISA Indonesia", Role: Principal Investigator (with Co-applicant Ezra Putranda Setiawan, M.Sc.).
- 2019/2-2019/6. Penelitian Research Group, DIPA UNY Grant, "Analisis faktor-faktor yang mempengaruhi kesehatan penduduk Indonesia dengan model regresi ordinal", Role: Principal Investigator (with Co-applicants Dr. Dhoriva Urwatul Wutsqa and Muhammad Fauzan, MSc.St.).
- 2018-2019. Penelitian Dasar Kompetitif Nasional, DRPM Grant, "Pembentukan metode klustering pada data hybrid crisp-fuzzy dan penerapannya pada pemetaan daerah bencana di Indonesia", Role: Co-Applicant (with Principal Investigator Dr. Dhoriva Urwatul Wutsqa and one another co-applicant Dr. Sri Andayani).
- 2018/2-2018/6. Penelitian Pasca Doktor, DIPA UNY Grant, "Metode delta untuk estimasi resiko relatif dalam studi respon biner pada data survei aspek kehidupan rumah tangga Indonesia (SAKERTI)", Role: Principal Investigator.
- 2018/2-2018/6. Penelitian Research Group, DIPA UNY Grant, "Pemetaan wilayah Indonesia berdasarkan indeks kesejahteraan rakyat menggunakan pendekatan soft computing", Role: Co-Applicant (with Principal Investigator Dr. Dhoriva Urwatul Wutsqa and one another co-applicant Retno Subekti, M.Sc.).
- 2017/2-2017/6. Penelitian Bidang Studi/Ilmu/Keahlian, DIPA UNY Grant, "Strategi Black Litterman untuk optimisasi portofolio dengan memanfaatkan prediksi fuzzy neural network", Role: Co-Applicant (with Principal Investigator Rosita Kusumawati, M.Sc. and two other co-applicants Dr. Dhoriva Urwatul Wutsqa and Retno Subekti, M.Sc.).

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Journal Publications :

- Kismiantini, Montesinos-López, A., Cano-Páez, B., Montesinos-López, J.C., Chavira-Flores, M., Montesinos-López, O.A., & Crossa, J. A. (2022). A Multi-Trait Gaussian Kernel Genomic Prediction Model under Three Tunning Strategies. Genes, 13, 2279. https://doi.org/10.3390/genes13122279 [pdf]
- Susanti, S., Pierewan, A. C., Kismiantini, K., & Aripin, S. (2022). What Makes Indonesians Satisfied With Their Health? A Multilevel Analysis. *SAGE Open*, 12(3). https://doi.org/10.1177/21582440221121722 [pdf]
- Wutsqa, D. U., Kismiantini, K., Kusumawati, R., Sahid, S., Inayati, S., & Setiawan, E. P. (2022). Workshop Analisis Regresi Logistik untuk Penelitian di bidang Ilmu Sosial dan Pendidikan. *Jurnal Pengabdian Masyarakat MIPA dan Pendidikan MIPA*, 6(2), 84-91. [pdf]
- Montesinos-López OA, Montesinos-López A, Kismiantini , Roman-Gallardo A, Gardner K, Lillemo M, Fritsche-Neto R and Crossa J. (2022). Partial Least Squares Enhances Genomic Prediction of New Environments. *Frontiers in Genetics*, 13:920689. doi: 10.3389/fgene.2022.920689 [pdf]
- Kismiantini, Husniyah, F., Montesinos-López, O.A. (2021). Drought-prone areas mapping using fuzzy c-means method in Gunungkidul district. *PYTHAGORAS: Jurnal Pendidikan Matematika*, 16(2): 217-232. [pdf]
- Wutsqa, D.U., Kurniawati, E., Andayani, S., & Kismiantini. (2021). Landslide Susceptibility Mapping using Fuzzy C-Means and Fuzzy C-Modes Methods in Wonosobo Regency, Indonesia. *Advances in Dynamical Systems and Applications* [ADSA], 16(2): 639-656. [pdf]

- Ahmad Basri, M.A.; Shaharudin, S.M.; Kismiantini; Tan, M.L.; Mohd Najib, S.A.; Zainuddin, N.H.; Andayani, S. (2021). Regionalization of Rainfall Regimes Using Hybrid RF-Bs Couple with Multivariate Approaches. *ISPRS Int. J. Geo-Inf.* 2021, 10, 689. https://doi.org/10.3390/ijgi10100689 [pdf]
- Siti Mariana Che Mat Nor, Shazlyn Milleana Shaharudin, Shuhaida Ismail, Kismiantini (2021). A RPCA-Based Tukeycode2utf('39',0);s Biweight for Clustering Identification on Extreme Rainfall Data. *Environment and Ecology Research*, 9(3), 114-118. DOI: 10.13189/eer.2021.090303. [pdf]
- Kismiantini, Setiawan EP, Pierewan AC, Montesinos-López OA. (2021). Growth mindset, school context, and mathematics achievement in Indonesia: A multilevel model. *Journal on Mathematics Education*, 12(2): 279-294. https://doi.org/10.22342/jme.12.2.13690.279-294 [pdf]
- Kismiantini, Montesinos-López OA, Crossa J, Setiawan EP, Wutsqa DU. (2021). Prediction of count phenotypes using high-resolution images and genomic data. *G3 Genes|Genomes|Genetics*, 11(2), February 2021. https://doi.org/10.1093/g3journal/jkab035. [pdf]
- Wutsqa, D.U., Kismiantini, Fauzan, M., Kusumawati, R., Sahid, & Inayati, S. (2021). Workshop Analisis Faktor untuk Data Penelitian Ilmu Sosial dan Kependidikan. *Jurnal Pengabdian Masyarakat MIPA dan Pendidikan MIPA*, 5(1): 37-46. http://journal.uny.ac.id/index.php/jpmmp [pdf]
- Wutsqa DU, Aryani AS, Kismiantini, Andayani S. (2020). Fuzzy C-means clustering for landslide mapping in Malang regency. *Journal of Advanced Research in Dynamical and Control Systems*,12(07): 1653-1659. DOI: 10.5373/JARDCS/V12SP7/20202271 [pdf]
- Shaharudin SM, Andayani S, Kismiantini, Binatari N, Kurniawan A, Basri MAA, Zainuddin NH. (2020). Imputation methods for addressing missing data of monthly rainfall in Yogyakarta, Indonesia. *International Journal of Advanced Trends in Computer Science and Engineering*, 9(1.4): 646-651. https://doi.org/10.30534/ijatcse/2020/9091.42020 [pdf]
- Montesinos-López OA, Franco-Pérez E, Kismiantini, Valenzo Jiménez MA, Espinoza IL, Gaytan Lugo LS, Carrillo SS. (2020). Construction and Validation of an Instrument to Measure Perceptions and Attitudes towards Genetically Modified Organisms in the Mexican Urban Population. *International Journal of Business and Management*, 15(5): 83-99. doi:10.5539/ijbm.v15n5p83. [pdf]
- Kismiantini, Zhang S, Eskridge KM, Kachman SD, Qiu Y, Brown-Brandl T. (2019). Comparing piecewise regression and hysteresis models in assessing beef cattle heat stress. *Transactions of the ASABE*, 62(2): 549-559. https://doi.org/10.13031/trans.12910. [pdf]
- Montesinos-López OA, Montesinos-López A, Crossa J, Kismiantini, Ramirez-Alcaraz JM, Singh R, Mondal S, Juliana P. (2019). A singular value decomposition Bayesian multiple-trait and multiple-environment genomic model. *Heredity*, 122(4):381-401. https://doi.org/10.1038/s41437-018-0-09-7. [pdf]
- Wutsqa, D.U., Listyani, E., Subekti, R., Kusumawati, R., Susanti, M., & Kismiantini. (2018). Analisis Data Multivariat dengan Program R. *Jurnal Pengabdian Masyarakat MIPA dan Pendidikan MIPA*, 2(2): 83-86. http://journal.uny.ac.id/index.php/jpmmp [pdf]
- Kismiantini. (2016). Pendugaan amatan yang hilang pada rancangan acak kelompok (RAK). *Jurnal Matematika, Statistika, dan Komputasi*, 12(2): 164-172. [pdf]
- Kismiantini, Montesinos-López OA, Jesús GM, Emeterio FP. (2014). Analyzing the Factors of Job Satisfaction in a Mexican Hospital with Binary Indicators by Confirmatory Factor Analysis. *International Journal of Business and Management,* 9(8): 61-83. doi:10.5539/ijbm.v9n8p61. [pdf]
- Kismiantini. (2008). Metode Bayes empirik dan Bayes linier empirik pada pendugaan area kecil. *Jurnal Statistika: Teori dan Aplikasi*, 2(1): 1-7.
- Kismiantini. (2007). Analisis peubah respons biner. *Pythagoras*, 3(1): 63-77. [pdf]

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- Kismiantini. (2007). Estimasi interval untuk model tahan hidup Weibull dengan data tersensor progresif tipe-II. *Jurnal Pendidikan Matematika dan Sains*, 2(12): 76-83.

Conference Publications :

- Putri Puspita Sari & Kismiantini. (2022). Pengelompokkan Kecamatan Berdasarkan Alat Kontrasepsi Menggunakan Algoritma K-Means (Studi Kasus Kecamatan di Provinsi DI Yogyakarta). *Prosiding Seminar Nasional Official Statistics 2022*. ISSN: 2772-1970. Available at <https://prosiding.stis.ac.id/index.php/semnasoffstat/article/view/1134/400>
- Amalia, R. & Kismiantini. (2022). Analysis of the effect of smoking and exercise habits on coronary heart disease in Indonesia using logistic regression. *AIP Conference Proceedings*, 2575, 070004--070004-7. https://doi.org/10.1063/5.0111575 [pdf]
- Kismiantini, Setiawan, E.P., Setiawan, A., and Albarr, H. (2022). Application of multivariate regression analysis for assessing the relationship of students' backgrounds to students' achievements. *AIP Conference Proceedings*, 2575, 070003-1-070003-8. https://doi.org/10.1063/5.0107792 [pdf]
- Krisnamurti, A.W. & Kismiantini. (2022). PISA 2018: Non-cognitive factors and school characteristics towards mathematics achievement in Indonesia. *AIP Conference Proceedings*, 2575, 050002-1-050002-7. https://doi.org/10.1063/5.0107787 [pdf]
- Efendi, R. & Kismiantini. (2022). Analysis of PISA 2018 results in Indonesia: Perspective of socioeconomic status and school resources. *AIP Conference Proceedings*, 2575, 040020-1-0400-0-7. https://doi.org/10.1063/5.0108065 [pdf]
- Samnufida, R. & Kismiantini. (2022).How school size and student teacher ratio affecting the students' mathematics achievement. AIP Conference Proceedings, 2575, 040019-1-040019-6. https://doi.org/10.1063/5.0130178 [pdf]
- Anggraheni, F.Y. & Kismiantini. (2022). Relationships of metacognition and learning time to mathematics achievement-PISA 2018 findings in Indonesia. *AIP Conference Proceedings*, 2575, 040013-1-040013-7. https://doi.org/10.1063/5.0108028 [pdf]
- Kusdinar, A. & Kismiantini. (2022). The role of students' non-cognitive factors and school resources in predicting mathematics achievement using PISA 2018 Indonesia data. *AIP Conference Proceedings*, 2575, 040005-1-040005-6. https://doi.org/10.1063/5.0111125 [pdf]
- Rahmawati, D. & Kismiantini. (2022). Gender differences in mathematics achievement, competitiveness, fear of failure, and resilience: Analysis of PISA 2018 in Indonesia. *AIP Conference Proceedings*, 2575, 040004-1-040004-6. https://doi.org/10.1063/5.0107819 [pdf]
- Putri, Faradila Ilena; Damayanti, Retno; Kismiantini, Kismiantini. (2022). Penerapan Algoritma K-Means Untuk Mengelompokan Kecamatan Di Kabupaten Gunungkidul Berdasarkan Program Keluarga Harapan. *Prosiding Seminar Nasional Matematika dan Statistika*, [S.l.], v. 2, may 2022. ISSN 2657-232X. Available at: <http://jurnal.fmipa.unmul.ac.id/index.php/SNMSA/article/view/919>.
- Azkia, Qatrunnada; Kismiantini, Kismiantini; Setiawan, Ezra Putranda. (2022). Pemodelan Gizi Buruk Pada Balita Di Provinsi Jawa Timur Menggunakan Geographically Weighted Regression (GWR). *Prosiding Seminar Nasional Matematika dan Statistika*, [S.l.], v. 2, may 2022. ISSN 2657-232X. Available at: <http://jurnal.fmipa.unmul.ac.id/index.php/SNMSA/article/view/842>.
- Permana, Ryan Sidiq; Kismiantini, Kismiantini; Setiawan, Ezra Putranda. (2022). Pemodelan prevalensi gizi buruk pada balita di Kalimantan Tengah menggunakan Geographically Weighted Regression. *Prosiding Seminar Nasional Matematika dan Statistika*, [S.l.], v. 2, may 2022. ISSN

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2657-232X. Available at: <http://jurnal.fmipa.unmul.ac.id/index.php/SNMSA/article/view/896>.

- Langiran, Andriati; Kismiantini, Kismiantini; Setiawan, Ezra Putranda. (2022). Identifikasi faktor-faktor yang memengaruhi indeks pembangunan manusia (IPM) di Kalimantan Barat tahun 2020 menggunakan Geographically Weighted Regression. *Prosiding Seminar Nasional Matematika dan Statistika*, [S.l.], v. 2, may 2022. ISSN 2657-232X. Available at: <http://jurnal.fmipa.unmul.ac.id/index.php/SNMSA/article/view/895>.
- Khariyani, Angeliya Milla; Kismiantini, Kismiantini; Setiawan, Ezra Putranda. (2022). Analisis faktor-faktor yang memengaruhi jumlah penderita tuberkulosis menggunakan Geographically Weighted Regression di Provinsi Jawa Timur. *Prosiding Seminar Nasional Matematika dan Statistika*, [S.l.], v. 2, may 2022. ISSN 2657-232X. Available at: <http://jurnal.fmipa.unmul.ac.id/index.php/SNMSA/article/view/894>.
- Kismiantini and Mindra Jaya IG. (2020). A spatial shared component random intercept model for assessing risk of diarrhea among men and women. *Journal of Physics: Conference Series* 1581 012018. doi:10.1088/1742-6596/1581/1/012018. [pdf]
- Kusumaningrum E, Kismiantini, Wustqa DU and Fauzan M. (2020). Ordinal regression model for analyzing factors affecting obesity levels in middle-aged adults in Indonesia. *Journal of Physics: Conference Series* 1581 012019. doi:10.1088/1742-6596/1581/1/012019. [pdf]
- Pawa LV and Kismiantini. (2020). Comparing k-nearest neighbor and k-means methods for clustering Indonesian farmerscode2utf('39',0); welfare. *Journal of Physics: Conference Series* 1581 012020. doi:10.1088/1742-6596/1581/1/012020. [pdf]
- Astari DW and Kismiantini. (2019). Analysis of Factors Affecting the Health Insurance Ownership with Binary Logistic Regression Model. *Journal of Physics: Conference Series* 1320 012011. doi:10.1088/1742-6596/1320/1/012011. [pdf]
- Wutsqa DU, Kismiantini and Subekti R. (2019). Welfare Mapping of Region in Indonesia based on Health and Nutrition Indicators using Self Organizing Mapping (SOM) Method. *Journal of Physics: Conference Series* 1320 012012. doi:10.1088/1742-6596/1320/1/012012. [pdf]
- Pratiwi NM and Kismiantini. (2019). Implementing ordinal regression model for analyzing happiness level in Indonesia. *Journal of Physics: Conference Series* 1320 012015. doi:10.1088/1742-6596/1320/1/012015. [pdf]
- Nurmawati WP and Kismiantini. (2019). Path analysis for determining health factors in Indonesia. *Journal of Physics: Conference Series* 1320 012018. doi:10.1088/1742-6596/1320/1/012018. [pdf]
- Kismiantini. (2011). Analisis peubah prediktor yang memuat kesalahan pengukuran dengan regresi ortogonal. *Seminar Nasional Penelitian, Pendidikan dan Penerapan MIPA, FMIPA Universitas Negeri Yogyakarta*. [pdf]
- Kismiantini. (2010). Penerapan metode Bayes empirik pada pendugaan area kecil untuk kasus biner (Studi tentang proporsi status kepemilikan kartu sehat di kota Yogyakarta). *Seminar Nasional Penelitian, Pendidikan dan Penerapan MIPA, FMIPA Universitas Negeri Yogyakarta*. [pdf]
- Kismiantini. (2009). Dampak penurunan harga BBM jenis premium terhadap angka inflasi di kota Yogyakarta (Studi aplikasi model intervensi dengan *step function*). *Seminar Nasional Matematika dan Pendidikan Matematika, Jurusan Pendidikan Matematika FMIPA Universitas Negeri Yogyakarta*. [pdf]
- Kismiantini. (2009). Analisis peubah respons kontinu non negatif dengan regresi gamma dan regresi inverse Gaussian. *Seminar Nasional Penelitian, Pendidikan dan Penerapan MIPA, FMIPA Universitas Negeri Yogyakarta*. [pdf]
- Kismiantini. (2009). Relative risk of disease using generalized linear mixed model. *The First International Seminar on Science and Technology, Universitas Islam Indonesia*. [link]

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- Kismiantini. (2008). Pendugaan berbasis model untuk kasus biner pada *small area estimation*. *Seminar Nasional Pendidikan Matematika dan Matematika*, *Jurusan Pendidikan Matematika FMIPA Universitas Negeri Yogyakarta*.
- Kismiantini. (2008). Small area estimation using natural exponential families with quadratic variance function (nef-qvf) for binary data. *The 3rd International Conference on Mathematics and Statistics*, *Bogor Agricultural University*.
- Kismiantini. (2008). Perbandingan model regresi Poisson dan model regresi binomial negatif. *Seminar Nasional Penelitian, Pendidikan dan Penerapan MIPA, FMIPA Universitas Negeri Yogyakarta*.
- Kismiantini. (2007). Pendugaan statistik area kecil dengan metode *empirical constrained Bayes. Seminar Nasional Matematika 2007, Jurusan Pendidikan Matematika FPMIPA Universitas Pendidikan Indonesia*.
- Kismiantini. (2007). Pendugaan resiko relatif pada pendugaan area kecil. *Seminar Nasional Pendidikan Matematika dan Matematika, Jurusan Pendidikan Matematika FMIPA Universitas Negeri Yogyakarta*.
- Kismiantini. (2007). Pendekatan bayes empirik pada pendugaan statistik area kecil berbasis model poisson-gamma dengan peubah penyerta*. Seminar Nasional Penelitian, Pendidikan dan Penerapan MIPA*, *FMIPA Universitas Negeri Yogyakarta*.
- Kismiantini. (2007). Pengumpulan data dengan *quick count* dan *exit poll*. *Seminar Nasional Penelitian, Pendidikan dan Penerapan MIPA*, *FMIPA Universitas Negeri Yogyakarta*.
- Kismiantini. (2003). Aplikasi deret tak hingga pada distribusi peluang diskret yang khusus. *Seminar Nasional Hasil Penelitian MIPA dan Pendidikan MIPA*, *FMIPA Universitas Negeri Yogyakarta*, (2003).
- Kismiantini dan Lestari HP. (2003). Hubungan estimator bayes dengan estimator klasik pada distribusi peluang diskret yang khusus. *Seminar Nasional IV*, *Universitas Negeri Semarang*.

Bidang Pengabdian :

- Instruktur, dua hari workshop visualisasi data untuk penelitian bidang pendidikan dan ilmu sosial, Prodi Statistika Universitas Negeri Yogyakarta bekerjasama dengan Prodi Statistika Universitas Halu Oleo, (2022/07).
- Instruktur, dua hari workshop analisis perbandingan k populasi dengan pendekatan nonparametrik untuk penelitian ilmu sosial dan pendidikan, Kelompok Bidang Keahlian Statistika Jurusan Pendidikan Matematika FMIPA UNY, (2021/08).
- Instruktur, dua hari workshop analisis regresi logistik untuk penelitian di bidang ilmu sosial dan pendidikan, Kelompok Bidang Keahlian Statistika Jurusan Pendidikan Matematika FMIPA UNY, (2020/11).
- Instruktur, satu hari pelatihan dasar-dasar alat analisis statistik R, Departemen Sosial Ekonomi Pertanian Fakultas Pertanian UGM, (2019/10).
- Instruktur, dua hari workshop analisis faktor untuk data riset ilmu sosial dan kependidikan, Kelompok Bidang Keahlian Statistika Jurusan Pendidikan Matematika FMIPA UNY, (2019/6).
- Instruktur, dua hari workshop diagnostik dan remedial pada analisis regresi, Kelompok Bidang Keahlian Statistika Jurusan Pendidikan Matematika FMIPA UNY, (2018/7).
- Instruktur, satu hari workshop analisis variansi dengan R, Jurusan Pendidikan Matematika FMIPA UNY, (2018/1).
- Instruktur, satu hari workshop program R untuk analisa data multivariat, Kelompok Bidang Keahlian Statistika Jurusan Pendidikan Matematika FMIPA UNY, (2017/10).

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- Anggota, satu hari pelatihan pembuatan media pembelajaran interaktif dengan perangkat lunak bantu Autoplay media studio bagi guru sekolah menengah di DIY, Jurusan Pendidikan Matematika FMIPA UNY, (2009).
- Instruktur, satu hari pelatihan membuat slide presentasi dengan Microsoft Power Point 2007, Jurusan Pendidikan Matematika FMIPA UNY, (2007).
- Pendamping, Lomba matematika siswa SMU se-DIY dan Jateng, Jurusan Pendidikan Matematika FMIPA UNY, (2002).

Penunjang :

- Moderator, Joint seminar: The 6th International Seminar of Innovation in Mathematics and Mathematics Education (6th ISIMMED), The 8th International Seminar on Science Education (8th ISSE), FMIPA UNY, November 11-12, 2022.
- Moderator, The 9th International Conference on Research Implementation and Education of Mathematics and Science, FMIPA UNY, July 29-30, 2022.
- Moderator, FORSTAT Talk and Discussion: The Extraordinary Impact of Collaboration in Statistics and Data Science, Bandung, February 7, 2022.
- Moderator, Pembahasan Silabus Minimal S1 Statistika, FORSTAT, 10 Juli 2021.
- Moderator, Seminar Nasional Matematika XXVIII, Digital Library, 7 Maret 2020.
- Moderator, The 3rd International Seminar on Innovation in Mathematics and Mathematics Education 2019 (The 3rd ISIM-MED 2019), FMIPA UNY, October 3-4, 2019.
- Panitia, The 3rd International Seminar on Innovation in Mathematics and Mathematics Education 2019 (The 3rd ISIM-MED 2019), FMIPA UNY, October 3-4, 2019.
- Peserta, Workshop on Maxima Algebra System, Universitas Negeri Yogyakarta, October 2-3, 2019.
- Juri, Enthusiastic Competition 2019, FMIPA Universitas Islam Indonesia, 18 September 2019.
- Peserta, Workshop on Data Visualization with R, Universitas Gadjah Mada, July 25, 2019.
- Panitia, The 2nd International Seminar on Innovation in Mathematics and Mathematics Education 2018 (The 2nd ISIM-MED 2018), FMIPA UNY, November 20-24, 2018.
- Peserta, Workshop in Implementation of A Randomization-Based Curriculum for Introductory Statistics, Yogyakarta Marriott Hotel, June 28, 2018
- Moderator, The 5th International Conference on Research, Implementation and Education of Mathematics and Science (5th ICRIEMS), Hotel East park, 7 - 8 Mei 2018.
- Wakil Ketua, The 5th International Conference on Research, Implementation and Education of Mathematics and Science (5th ICRIEMS), Hotel East park, 7 - 8 Mei 2018.
- Peserta, Seminar Nasional Penelitian, Pendidikan dan Penerapan MIPA, FMIPA UNY, 14 Mei 2011.
- Peserta, Workshop on Small Area Estimation, Departemen Statistika FMIPA IPB, 17-18 Maret 2010.
- Peserta, Lokakarya I Pembinaan Jurnal Ilmiah, Jurusan Matematika FMIPA Univ. Diponegoro, 19 Oktober 2009.
- Pendamping, Seminar Nasional Statistika Ria 2009, Departemen Statistika IPB, 10-11 Oktober 2009.
- Peserta, Workshop Penyusunan Rencana Pelaksanaan Kuliah, Jurdik Matematika FMIPA UNY, 12 Februari 2009.
- Peserta, Workshop Pembekalan Pemantapan Kemampuan Mengajar Peserta Sertifikasi Guru dalam Jabatan melalui Jalur Pendidikan Tahun Akademik 2008/2009, Jurdik Matematika FMIPA UNY, 10 Februari 2009.
- Peserta, Seminar Nasional Aljabar, Pembelajaran Aljabar dan Penerapannya, Jurdik Matematika

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FMIPA UNY, 31 Januari 2009.

- Peserta, Pelatihan LISREL/AMOS, Lembaga Penelitian UNY, 10-11 September 2007.
- Peserta, Pelatihan E-Learning UNY, UPT Puskom UNY, 25-26 Juli 2007.
- Peserta, Pelatihan Penulisan Proposal Penelitian, Departemen Statistika FMIPA IPB, 22 Maret 2007.
- Peserta, Lokakarya Penyusunan Pedoman Penyelenggaraan Kelas Berbahasa Inggris, Jurdik Matematika FMIPA UNY, 15 Mei 2004.
- Peserta, Lokakarya Pengembangan Media Pembelajaran Matematika Sekolah, Jurdik Matematika FMIPA UNY, 8 Mei 2004.
- Peserta, Workshop Penyusunan Proposal Riset Unggulan Bidang Kemasyarakatan dan Kemanusiaan V, Lemlit UNY, 10 Mei 2003.
- Peserta, Lokakarya Penyusunan Proposal Skripsi Mahasiswa Jurdik Matematika FMIPA UNY Jurdik Matematika FMIPA UNY, 2003.
- Panitia, Seminar Nasional Matematika FMIPA UNY, 16 Maret 2003.
- Tim Evaluasi Diri Jurdik Matematika FMIPA UNY Jurdik Matematika FMIPA UNY, 2003.
- Panitia, Seminar Nasional Aljabar XII HPA Jateng-DIY Jurdik Matematika FMIPA UNY, 6 April 2002.

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