Permohonan Penilaian Disertasi

Yth. Ketua Program Studi Doktor Matematika FMIPA Universitas Gadjah Mada

di Yogyakarta

Dengan hormat,

Bersama ini kami serahkan disertasi dengan judul

# “............”

yang disusun oleh :

Nama (beserta gelar) :

Nomor Mahasiswa :

Program Studi : Doktor Matematika

No. Telp/HP :

Angkatan :

Asal Instansi :

Dengan Promotor : 1.

2.

untuk dinilai oleh Tim Penilai.

Susunan Tim Penilai yang kami usulkan adalah:

1. (Ketua)
2. (Anggota)
3. (Anggota)
4. ..
5. ..

Demikian permohonan ini, mohon agar dapat diproses lebih lanjut. Atas kerjasamanya kami ucapkan terima kasih.

Yogyakarta,

...................

# Catatan :

1. Prodi dengan pertimbangan Ketua Laboratorium terkait atau yang mewakili akan menentukan 3 nama untuk tim penilai berdasarkan usulan Promotor.
2. Untuk calon penilai dari luar, tuliskan asal institusinya.

**Keterangan :**

**Syarat Proses Penilaian** : Berstatus aktif/sudah her-registrasi di semester berjalan

# Berkas yang harus dilampirkan :

1. Copy slip pembayaran SPP untuk semester berjalan
2. Copy KRS untuk semester berjalan
3. Disertasi 3 eksemplar, dijilid dengan cover biru tua dan sudah ditandatangani oleh tim promotor.
4. Paper-paper yang telah dipublikasikan (beserta soft copynya) sebagai syarat pengajuan ujian tertutup, beserta informasi tentang jurnal atau seminar/konferensi/simposium di mana paper-paper tersebut dipublikasikan, masing-masing sebanyak 3 eksemplar.
5. Daftar publikasi ditulis sesuai template yang telah disediakan, rangkap 3.

# Daftar Publikasi Promovendus Terkait Disertasi yang Diajukan ke Prodi Doktor Matematika FMIPA UGM

Nama Mahasiswa : M. Fariz Fadillah Mardianto No mahasiswa : 16/405323/SPA/00580

Judul Disertasi : Model Regresi Nonparametrik dengan Pendekatan Deret Fourier untuk Data Longitudinal

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| (1) | (2) | (3) | (4) | (5) |
| No | Judul paper | Nama Jurnal atau konferensi | Jenis publikasi | Tahun |
| 1 | Interval Estimation for Nonparametric Regression based on Fourier Series Estimator in Longitudinal Data | AIP Proceeding for The 8th International Conference and Workshop on Basic and Applied Sciences (ICOWOBAS) 2021,Universitas Airlangga Surabaya, 25 – 26Agustus 2021 (Best Presenter) | **Prosiding Internasional terindeks Scopus** | 2021published 2022 |
| 2 | An Analysis about Fourier Series Estimator in Nonparametric Regression for Longitudinal Data | Mathematics and Statistics 9(4): 501-510,202, Horizon Research Publishing (HRPUB), Scopus Q4htt[ps://www.hrpub.org/d](http://www.hrpub.org/d) ownload/20210630/MS 9-13423498.pdfhtt[ps://www.scima](http://www.scimagojr.c/)g[ojr.c](http://www.scimagojr.c/) om/journalsearch.php?q=21100905277&tip=sid &clean=0 | **Jurnal Internasional terindeks Scopus** | 2021 |
| 3 | The Fourier Series Estimator to Predict the Number of Dengue and Malaria Sufferers in Indonesia | AIP Proceeding 2329(060002), pp. 1 – 9 forInternational Conference on Mathematics, Computational Science and Statistics 2020, , Universitas Airlangga Surabaya, 29 September2021https://aip.scitation.org/ doi/abs/10.1063/5.0042 115?journalCode=apc | **Prosiding Internasional terindeks Scopus** | 2020published 2021 |
| 4 | The Performance of Nonparametric Regression for Trend and Seasonal Pattern in Longitudinal Data | ARPN Journal of Engineering and Applied Sciences VOL. 15, NO. 9, MAY 2020,ISSN 1819-6608,Scopus Q3 | **Jurnal Internasional terindeks Scopus** | 2021 |

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|  |  | http://www.arpnjournals.org/jeas/research\_paper s/rp\_2020/jeas\_0520\_82 05.pdfhtt[ps://www.scima](http://www.scimagojr.c/)g[ojr.c](http://www.scimagojr.c/) om/journalsearch.php?q=21100200825&tip=sid &clean=0 |  |  |
| 5 | Trigonometric forms of Fourier series estimator in nonparametric regression forlongitudinal datas | Data Science, Statistics and Visualisation (DSSV 2019), Doshisha University, Kyoto, Japan, 13 -15 Agustus2019 (Hanya Presenter) | Konferensi Internasional | 2019 |
| 6 | Fourier series Estimator for Prediction the Number of Sufferer for Seasonal Diseases | Symposium on Biomathematics 2019, IBMS ITB, Denpasar, 25-28 Agustus 2019 (Hanya Presenter) | Konferensi Internasional | 2019 |
| 7 | The Fourier Series Estimator in Nonparametric Regression for Longitudinal Data: PWLS Optimization and The EstimatorProperties | The 8th SEAMS Conference 2019, Universitas Gadjah Mada, Yogyakarta, 29Juli – 1 Agustus 2019 (Hanya Presenter) | Konferensi Internasional | 2019 |
| 8 | Prediction the Number of Students in Indonesia who Study in Tutoring Agency and Their Motivations based on Fourier Series Estimator for Longitudinal Data and Structural Equation Modeling | The 1st International Conference on Science, Applied Science, Teaching and Education 2019(ICoSASTE 2019),Universitas Nusa Cendana, Kupang, 14 – 15 Mei, 2019 dengan luaran publikasi di International Journal of Innovation, Creativity and Change (IJICC), Volume 5, Issue 3, 2019Special Edition, 708-731 | **Jurnal Internasional** | 2019 |
| htt[ps://www.ijicc.net/im](http://www.ijicc.net/im) ages/Vol\_5\_Iss\_3/42\_M ardianto\_P708\_2019R.p df |
| htt[ps://www.scima](http://www.scimagojr.c/)g[ojr.c](http://www.scimagojr.c/) om/journalsearch.php?q=21100819610&tip=sid &clean=0 |

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| 9 | Fourier Series Estimator in Nonparametric Regression Approach for Longitudinal Data based on Generalized of PenalizedWeighted Least Square | The 14th international Conference on Mathematics, Statistics and Their Application, Thaksin University Songkhla Thailand, 8 – 10 Desember 2018 (Hanya Presenter) | Konferensi Internasional | 2018 |
| 10 | The Performance of Nonparametric Regression for Trend and Seasonal Pattern in Longitudinal Data | University of Malaya- Indonesian Universities Symposium, Universiti Malaya, Kuala Lumpur, Malaysia, 8 – 9November 2018 (Hanya Presenter) | Konferensi Internasional | 2018 |
| 11 | The Properties of Fourier Series Estimator in Nonparametric Regression for Longitudinal Data | The 2nd International Conference on Mathematics Education Theory and Application, Universitas Sebelas Maret Surakarta, 30 –31 Oktober 2018 (Hanya Presenter) | Konferensi Internasional | 2018 |
| 12 | Regression for Trend- Seasonal Longitudinal Data Pattern: Linear and Fourier Series Estimator | The 1st International Conference on Mathematics and Islam, ADMAPETA, Mataram, 3 – 5 Agustus 2018, Publikasi di Proceedings of the International Conference on Mathematics and Islam - Volume 1: ICMIs, 350-356htt[ps://www.scitepr](http://www.scitepress.o/)e[ss.o](http://www.scitepress.o/) rg/PublicationsDetail.as px?ID=vWgx27p%2fx7s%3d&t=1 | **Prosiding Internasional** | 2018published 2020 |
| 13 | The Estimation of Nonparametric Regression for Longitudinal Data based on Fourier series Using Weighted Least Square | The 5th International Conference on Research, Implementation & Education of Mathematics and Sciences, Universitas Negeri Yogyakarta, 8Mei 2018 | Konferensi Internasional | 2018 |
| 14 | Prediksi Cadangan Klaim Asuransi Pendidikan dengan Pendekatan Regresi Nonparametrik Deret Fourier | Konferensi Nasional Penelitian Matematika dan Pembelajarannya III, Universitas Muhmmadiyah Surakarta, 24 Maret2018, Publikasi di | Prosiding Nasional | 2018 |

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| --- | --- | --- | --- | --- |
|  |  | Prosiding Konferensi Nasional Penelitian Matematika dan Pembelajarannya (KNPMP) III 2018https://publikasiilmiah.u ms.ac.id/handle/11617/1 0121 |  |  |
| 15 | Forecasting Trend – Seasonal Data using Nonparametric Regression with Kernel and Fourier series Approach | International Conference on Computing Mathematics and Statistics 2017, Universiti Teknologi MARA Kampus Kedah Malaysia, Langkawi 7 – 8 November 2017 Publikasi di Proceedings of the Third International Conference on Computing, Mathematics and Statistics (iCMS2017) | **Prosiding Internasional** | 2017published 2019 |
| htt[ps://www.spring](http://www.springer.co/)e[r.co](http://www.springer.co/) m/gp/book/9789811372 780 |
| 16 | Perbandingan Tiga | Semstat 2018, | Konferensi | 2018 |
| Bentuk Estimator | Universitas Hasanudin | Nasional |
| Trigonometri Deret | Makassar, 3 Maret 2018 |  |
| Fourier dalam Regresi | (Hanya Presenter) |  |
| Nonparametrik (Studi |  |  |
| Kasus : Pemodelan |  |  |
| Jumlah Klaim |  |  |
| Asuransi Pendidikan) |  |  |
| 17 | Modeling Factors that Influence Health Index in Indonesia using Multipredictor Semiparametric Regression withFourier Series Approach | The 7th Annual Basic Science International Conference, Universitas Brawijaya, Malang, 7 – 8 Maret 2017 (Hanya Presenter) | Konferensi Internsional | 2017 |
| 18 | Prediksi Kecepatan | Seminar Nasional | Konferensi | 2017 |
| Angin di Pulau Jawa | Matematika dan | Nasional |
| dengan Pendekatan | Aplikasinya 2017, |  |
| Regresi | Universitas Airlangga, |  |
| Nonparametrik untuk | Surabaya, 23 Oktober |  |
| Data Longitudinal | 2017 (Hanya Presenter) |  |
| berdasarkan |  |  |
| Estimator Spline |  |  |

Daftar Publikasi Promovendus Terkait Disertasi telah didata sebagaimana mestinya, dan dapat dijadikan pertimbangan penilaian disertasi Promovendus.

Yogyakarta, 25 April 2022

M. Fariz Fadillah Mardianto Dr. Gunardi, M.Si.

Keterangan :

1. Pada kolom (3) isikan nama jurnal atau konferensi, disertai keterangan pendukung. Untuk jurnal tuliskan keterangan seperti penerbit , alamat on line jurnal, lembaga tempat jurnal terindeks , editorial board dll. Untuk seminar/konferensi tuliskan keterangan seperti penyelenggara seminar, academic board, No ISBN apabila makalah dimuat di prosiding.
2. Pada kolom (4) tuliskan jenis publikasi yaitu : jurnal internasional, jurnal nasional, seminar /konferensi internasional, atau lainnya.