

## STAFF HANDBOOK

Name	Jaka Nugraha		
Position	Business and Social Statistics		
Academic career		Institution	Year
	Initial Academic Appointment	Universitas Islam Indonesia	1995
	Doctoral Degree	UGM Yogyakarta	2010
	Master Degree	UGM Yogyakarta	1999
	Undergraduated Degree	ITS Surabaya	1994
Employment	Position	Employer	Period
	Lecturer	Universitas Islam Indonesia	1995 - 2002
	Assistant Professor	Universitas Islam Indonesia	2002 - 2006
	Associate Professor	Universitas Islam Indonesia	2006 - now
Research and development projects over the last 5 years	<ol style="list-style-type: none"> <li>1. Pengembangan Instrumen Indeks Kapasitas Masyarakat dalam Mitigasi Bencana, <i>Penelitian Unggulan PT-Dikti, 2015-2016, IDR 145.000.000,-</i></li> <li>2. Perancangan Aplikasi Perpustakaan Berbasis Android dengan Metode <i>Rough Set</i>, <i>Penelitian Madya UII, 2018, IDR 20.000.000,-</i></li> <li>3. Evaluasi Faktor Yang Mempengaruhi Mahasiswa Untuk Memilih Program Studi Di Fakultas Mipa Beserta Tingkat Kepuasannya, <i>Penelitian Institusi UII, 2019, IDR 15.000.000,-</i></li> <li>4. Modifikasi Model Log-linear untuk Analisis Tabel Kontingensi Multi-Arah pada Big Data, <i>Penelitian Dasar Unggulan PT-Dikti, 2019, IDR 111.000.000,-</i></li> <li>5. Kajian Preparasi dan Unjuk Kerja Nanostruktur SnO<sub>2</sub>/Graphene-Like Materials Berbahan Dasar Biomassa untuk Aplikasi Sensor Gas, <i>Penelitian Dasar-Dikti, 2019, IDR 94.000.000,-</i></li> <li>6. Identifikasi Sifat Beberapa Penaksir Parameter Proporsi pada Distribusi Binomial Satu Populasi, <i>Penelitian Unggulan- UII, 2020, IDR 37.000.000,-</i></li> </ol>		
Industry collaborations over the last 5 years	-		
Patents and proprietary rights	<p><i>Textbook:</i></p> <ol style="list-style-type: none"> <li>1. Pengantar Analisis Data Kategorik, 2013, Deepublish</li> <li>2. Metode Maksimum Likelihood dalam Model Pemilihan Diskrit, 2017, UII Press</li> <li>3. Pemodelan Data Ordinal, Nominal dan Cacah, 2017, UII Press</li> <li>4. Model Logit, Probit dan Mixed Logit pada Respon Multivariat, 2017, UII Press</li> <li>5. Analisis Tabel Kontingensi Menggunakan Model Loglinear, 2019, UII Press</li> <li>6. Pengantar Peluang dan Distribusi, 2020, Deepublish</li> <li>7. Book Chapter “Sustainable Future for Human Security :Society, Cities and Governance” dengan judul "Thermo-adaptive-Psychological Thermal Comfort Index of PMVtapsem Development of a PMVtap Index Based on the SEM Approach", 2018, Springer Nature Singapore Pte Ltd.</li> </ol>		
Important publications over the last 5 years	<ol style="list-style-type: none"> <li>1. Modeling of Photocatalytic Activity of ZnO/AC By Using Linear Probability Model, Logit and Complementary Log Transformation, <i>Procedia Engineering</i> , Volume 148 ( 2016 ) 1112 – 1120, <a href="https://doi.org/10.1016/j.proeng.2016.06.613">https://doi.org/10.1016/j.proeng.2016.06.613</a></li> <li>2. Control of Wastewater Using Multivariate Control Chart, <i>AIP Conference Proceedings</i>, <b>1823</b>,020126 (2017), <a href="https://doi.org/10.1063/1.4978199">https://doi.org/10.1063/1.4978199</a></li> <li>3. Preparation, Characterization, and Modelling Activity of Potassium Flouride Modified Hydrotalcite for Microwave Assisted Biodiesel Conversion, <i>Sustainable Chemistry and Pharmacy</i>, Vol. 8 (June 2018) 63–70, <a href="https://doi.org/10.1016/j.scp.2018.02.004">https://doi.org/10.1016/j.scp.2018.02.004</a></li> </ol>		

4. Modelling on Human Immunodeficiency Virus Case Using Poisson Bivariate Regression, *Published by the American Institute of Physics*, 2026, 020100 (2018), <https://doi.org/10.1063/1.5065060>
5. Pattern Analysis on Staff of Work Accident Handling Using Chi-Squared Automatic Interaction Detection and Log-Linear Models, *Published by the American Institute of Physics*, 2026, 020060 (2018); <https://doi.org/10.1063/1.5065020>
6. Sentiment Analysis on Mobile Banking Application Using Naive Bayes Classifier and Association Methods, *International Journal of Engineering & Technology*, 7 (4.15) (2018) 244-247
7. Application of Geographically Weighted Regression Analysis for Modelling Pneumonia Toddlers in West Java Province, *Proceeding Ahmad Dahlan International Conference on Mathematics and Mathematics* (2018)
8. Clustering And Diversifying Student Spreads Based On Environmental Effects Assisted By Webgis Visualization, *Proceeding The 2nd International Conference on Science, Mathematics, Environment, and Education* (2019)
9. Performance Analysis of Mixed Logit Models for Discrete Choice Models, Vol. 15 No. 3, (2019) 563-575; *Pakistan Journal of Statistics and Operation Research*; <http://dx.doi.org/10.18187/pjsor.v15i3.2313>
10. Physicochemical Characteristics and Photocatalytic Performance of TiN Oxide/Montmorillonite Nanocomposites at Various Sn/Montmorillonite Molar to Mass Ratios; *Applied Clay Science*; 193 (2020) 105671; <https://doi.org/10.1016/j.clay.2020.105671>
11. The Influence of Religiosity Toward Universitas Islam Indonesia Students Nationalism Using Structural Equation Modeling and Loglinear Model; *Advances in Social Science, Education and Humanities Research. Atlantis Press*. volume 397. February 2020. <https://doi.org/10.2991/assehr.k.200129.147>.
12. Designing Android-Based Library Application with Rough Set Method; *Advances in Social Science, Education and Humanities Research. Atlantis Press*. volume 397. February 2020; <https://doi.org/10.2991/assehr.k.200129.120>
13. Linear regression model and spatial autoregressive model for modeling high school dropout; *AIP Conference Proceedings*; Vol :2229, Issue 1. April 2020; <https://doi.org/10.1063/5.0002420>
14. Tobit Modeling And Central Composite Design For Optimization Of Specific Surface Area Of Clay By Activation; *Journal of Engineering Science and Technology*; Vol: 1983 Issue (2020) 105671
15. Implementation of Naive Bayes Classification Method for Sentiment Analysis on Community Opinion to Indonesian Criminal Code Draft; *Advances in Social Science, Education and Humanities Research*; Volume 474 (2020)
16. Model Kapasitas Masyarakat Dalam Menghadapi Bencana Menggunakan Analisis Regresi Logistik Ordinal; *Eksakta, Jurnal Ilmu-ilmu MIPA FMIPA UII Yogyakarta*, Vol. 16 No. 1 Februari 2016
17. Perbandingan Rough Set dan Algoritma Apriori untuk Sistem Rekomendasi Perpustakaan; *Unisda Journal of Mathematics and Computer Science (UJMC)*; 4 (2), 25-31(2018)
18. Analysis of Factors Affecting the Human Development Index in West Kalimantan Province using Data Panel Data Regression; *Jurnal Eksakta UII*; Vol. 18, ISSUE 2, August 2018; DOI=10.20885/eksakta.vol18.iss2.art2
19. Study of Student Satisfaction Level in the Faculty Based on Performance Assessment and Interest Level; *Jurnal Eksakta UII*; Vol 19 Issue 1. 83-97. Februari 2019, DOI: 10.20885/eksakta.vol19.iss1.art8

	20. Analysis of Factors Influencing The Decision to Choose The Department in The Natural Science Campus; <i>EKSAKTA: Journal of Sciences and Data Analysis</i> ; Vol. 1, ISSUE 1, Februari 2020. DOI: 10.20885/EKSAKTA.vol1.iss1.art12		
Activities in specialist bodies over the last 5 years	Organization	Role	Period
	Ikatan Statistisi Indonesia	Member	2014-now
	Indonesian of Mathematical Society (IndoMS)	Member	2006-now