

## STAFF HANDBOOK

Name	Rohmatul Fajriyah		
Position	Bioinformatics		
Academic career		Institution	Year
	Initial Academic Appointment	Universitas Islam Indonesia	1996
	Doctoral Degree	TU Graz	2015
	Master Degree	Universitas Gadjah Mada	2001
	Undergraduate Degree	Universitas Gadjah Mada	1996
Employment	Position	Employer	Period
	Lecturer	Universitas Islam Indonesia	1996- now
	Assistant Professor	Universitas Islam Indonesia	1998 - now
	Associate Professor	Universitas Islam Indonesia	2004 - now
Research and development projects over the last 5 years	<ol style="list-style-type: none"> <li>1. Identifikasi Jenis Penyakit Malaria Berdasarkan Citra Sel Darah Merah menggunakan Image Processing Analysis dan Mobile Based Device, Rohmatul Fajriyah dan M Muhajir, Penelitian DPPM-JIH, 2020, Rp. 32 jt</li> <li>2. Analisis Quantitative Trait Loci dan Analisis Spasial dengan Bahasa Pemrograman R pada Data Bioinformatika NGS dalam rangka Peningkatan Kualitas Tanaman Cabai dan Tomat, Rohmatul Fajriyah dan Achmad Fauzan, DRPM, 2018, Rp. 124.588 jt</li> <li>3. Pengembangan Metode Komputasi Background Correction Pada Pre-processing Data Gen Mikroarray, Rohmatul Fajriyah, 2017-2018, DRPM, Rp. 327,6 jt</li> <li>4. Modifikasi Spesi kimia air penyuling untuk meningkatkan kualitas minyak atsiri nilam (Anggota), Noor Fitri, AR Farham, Rohmatul Fajriyah, 2016, DRPM, Rp. 112,5 jt</li> </ol>		
Industry collaborations over the last 5 years	Panah Merah (East West Seed Indonesia)		
Patents and proprietary rights	<ol style="list-style-type: none"> <li>1. Book 2</li> <li>2. Software Package 1</li> </ol>		
Important publications over the last 5 years	<ol style="list-style-type: none"> <li>1. Analisa Visual Menggunakan ETETOOLKIT FRAMEWORK Terhadap Penyakit Beta-Thalassemia di Jawa Tengah Bagian Selatan, Jurnal Informatika dan Rekayasa Elektronik, Vol 2, No. 1, April 2019</li> <li>2. Rohmatul F, <i>A study of convolution models for background correction of the Illumina BeadArrays (Scopus indexed)</i>, Austrian Journal of Statistics, 45/2/2016</li> <li>3. Rohmatul F, <i>Generalized beta convolution model of the true intensity for the Illumina BeadArrays (Zentralblatt and Scopus indexed)</i>, Journal of Thai Statistical Association, Vol. 13/2/2015</li> <li>4. Implementasi Model Regresi untuk Estimasi Berat Lahir Bayi Berdasarkan Pengukuran Ultrasonografi (USG) Studi Kasus: RSKIA Sadewa Sleman, Yogyakarta, Prosiding SNIMed 2019</li> <li>5. K-Nearest Neighbor (KNN) Analysis on Genes Expression Datasets of Maize Nested Association Mapping (NAM) Showed Confident Classification on Organ-specific Expression, Proceedings - 2018 1st International Conference on Bioinformatics, Biotechnology, and Biomedical Engineering, BioMIC 2018</li> <li>6. Organ Specific expression revealed using support vector machine on maize nested association mapping datasets, Series Empowering Science and Mathematics for Global Competitiveness, Volume 1: Proceedings of The Science and Mathematics International Conference (SMIC 2018)</li> </ol>		

	<p>7. Implementing the Computer-Supported Collaborative Learning and Teaching in a Statistics Class for the Engineering Students, Journal of Physics: Conference Series</p> <p>8. Introducing a cross-variance concept and its application, Proceedings - 2016 12th International Conference on Mathematics, Statistics, and Their Applications, ICMSA 2016: In Conjunction with the 6th Annual International Conference of Syiah Kuala University</p> <p>9. Measuring the Indonesian provinces competitiveness by using PCA technique, Journal of Physics: Conference Series</p> <p>10. Tscvh R package: Computational of the two samples test on microarray-sequencing data, Journal of Physics: Conference Series</p>		
Activities in specialist bodies over the last 5 years	Organization	Role	Period
	Ikatan Statistisi Indonesia	Member	2019-now
	Indonesian of Mathematical Society (IndoMS)	Member	2018-now
	Forstat	Member	2018 - now
	ISCB	Member	2010 - now
ASA	Member	2010 - now	