Staff Handbook

Name	Prof. Dr. Mahanani Tri Asri, M.Si.
Position	Professor

Academic Career

Academic Appointment	Institution	Year
Doctorate (Agriculture Science)	Brawijaya University	2013
Master (Applied Life Science)	Gadjah Mada University	1997
Undergraduate degree (Biology)	Jenderal Soedirman University	1992

Employment

No	Position	Employer	Period
1	Lecturer	State University of Surabaya	1991-2025
2	Professor	State University of Surabaya	2022 - Present

Research and development projects over the last 5 years

No	Name of project or research focus	Period	Partners	Amount of Financing
1	Penapisan dan Karakterisasi Bakteri Pendegradasi Polycaprolactone dari Tanah Mangrove Wonorejo (Position: position as a Team member)	2022	Lisa Lisdiana, S.Si., M.Si., Ph.D., Guntur Trimulyono, S.Si., M.Sc., Farah Aisyah N. S.Si, M.Si Prof. Dr. Mahanani Tri Asri, M.Si	IDR 20.000.000
2	Optimalisasi Lahan Bekas Tambang Batubara Sebagai Media Tanam (Position: position as a research member)	2022	Prof. Dr. Yuni Sri Rahayu, M.Si. Prof. Dr. Yuliani, M.Si dan Prof. Dr. Mahanani Tri Asri, M.Si	IDR 128.000.000
3	Optimalisasi Kualitas dan Daya Simpan Komoditas Sarang Burung Walet (Position: position as a research member)	2022	Prof. Dr. Pirim Setiarso, M.Pd Prof. Dr. Mahanani Tri Asri, Dr. Sunu Kuncoro	IDR 376.000.000
4	Diversitas Mikrobiota Pada Susu Kambing Senduro	2023	Lisa Lisdiana, S.Si., M.Si.,	IDR 35.000.000

	Budidaya Peternak Kabupaten Lumajang (Position: position as a research member)		Ph.D., Guntur Trimulyono, S.Si., M.Sc., Farah Aisyah N. S.Si, M.Si Prof. Dr. Mahanani Tri Asri, M.Si	
5	Pengembangan Modul Ajar Berbasis Kearifan Lokal Jamur Makroskopis di Taman Hutan Raya (TAHURA) Mojokerto Berorientasi PjBL untuk Melatihkan Sikap Ilmiah dan Literasi Sains (Position: as a Team Member)	2023	Prof. Dr. Isnawati, M.Si., Prof. Dr.Mahanani Tri Asri, M.Si, Asti Lovina, S.Pd. M.Pd	IDR 15.000.000
6	Pengembangan buku ajar biorekayasa berbasis teknologi rekayasa hayati untuk melatihkan ketrampilan memecahkan masalah mahasiswa (Position: as a Team Leader)	2023	Prof. Dr. Mahanani Tri Asri, M.Si., Prof. Dr. Nur Ducha, M.Si .	IDR 20.000.000
7	Analisis kualitas semanggi yoghurt sebagai minuman probiotik bernutrisi tinggi (Position: as a team leader)	2024	Lisa Lisdiana, S.Si., M.Si., Ph.D., Guntur Trimulyono, S.Si., M.Sc., Farah Aisyah N. S.Si, M.Si Prof. Dr. Mahanani Tri Asri, M.Si	IDR 20.000.000
8.	Mikrobioma Feses Kambing Senduro dari Peternak di Kabupaten Lumajang Berdasarkan Region V3-V4 Gen 16S rRNA (Position: as a Team Member)	2024	Lisa Lisdiana, S.Si., M.Si., Ph.D., Guntur Trimulyono, S.Si., M.Sc., Farah Aisyah N. S.Si, M.Si Prof. Dr. Mahanani Tri Asri, M.Si	IDR 30.000.000
9.	Model Optimalisasi Lahan Bekas Tambang Batubara Sebagai Media Tanam Melalui Kajian Interaksi Multisimbiotik Mikroorganisme Dan Dinamika Unsur Hara Tanah (Position: as a Team Member)	2024	Prof. Dr. Yuni Sri Rahayu, M.Si. Prof. Dr. Yuliani, M.Si dan Prof. Dr. Mahanani Tri Asri, M.Si	IDR. 139.720.000
10	Nanofiber Poly(3-Hydroxybutyrate)/Keratin Berbasis Limbah Bulu Bebek Sebagai Alternatif Unggulan Scaffold Rekonstruksi	2024		IDR. 150.000.000

	11.	Jaringan Tulang Pada Industri Medis Peningkatan Nilai Ekonomi Edible Swiftlet Nest (Esn) Cv. Dwi Anugrah Surabaya Melalui Pengembangan Produk Pangan Fungsional Berbasis Freeze Drying	2024	Shod Abdulrahman Zulkarnaen. Mahanani Tri Asri, Maria Monica	IDR. 549.406.000.00
	12.	Karakterisasi Tanaman Berpotensi Sumber Fitohormon Alami Pendukung pertanian Berkelanjutan dan Sustainable Development Goals di Indonesia (Position: as a Team Member)	2025	Prof. Dr. Pirim Setiarso, M.Pd Prof. Dr. Mahanani Tri Asri, Dr. Sunu Kuncoro Prof. Dr. Yuni Sri Rahayu, M.Si. Sari Kusuma, S.Si, M.Si dan Prof. Dr. Mahanani Tri Asri, M.Si	IDR: 109.830.000
	13.	Deteksi Gen 16S RNA dan optimasi produksi biosurfaktan bakteriasal sedimen Pantai Bama, Taman Nasional Baluran Jaa Timur Indonesia	2025	Lisa Lisdiana, S.Si., M.Si., Ph.D., Guntur Trimulyono, S.Si., M.Sc., Farah Aisyah N. S.Si, M.Si Prof. Dr. Mahanani Tri Asri, M.Si	IDR 20.000.000

Industry collaborations over the last 5 years

No	Project title	Partners
1	Pembuatan pupuk mikroba untuk remediasi tanah batubara Muda	PT. NATURA SINERGI NUSANTARA.

Patents and proprietary rights over the last 5 years

No	Title	Year
1.	MASKER HERBAL SERBA GUNA DAN PROSES PEMBUATANNYA (granted)	2024
2.	FORMULASI BIOFERTILIZER CAIR PENGURAI PESTISIDA PROFENOFOS DAN KLORANTRANILIPROL (granted)	2023

Important publications over the last 5 years

Total number:

1. **Lactic Acid Bacteria (LAB) from Fermented Milk Leftover for Wastewater Treatment of Soybean-Based Industries.** Penulis: Mahanani Tri Asri; Guntur Trimulyono; Isnawati; Firas Khaleyla International Journal of Applied Biology, Tanggal Terbit22 Juni 2023, Volume7, Nomor1 Halaman108-114
   Tautan Laman : Jurnalhttps://journal.unhas.ac.id/index.php/ijoab/article/view/25246

	2. Validity of teaching modules based on local wisdom of macroscopic fungi and PjBLoriented to improve scientific attitudes and science literacy. Penulis: Asti Lovina, Isnawati, Mahanani Tri Asri. JPBI /Jurnal Pendidikan Biologi Indonesia.Terbit.21 September 2023. Vol 9. No3; Hal;256-270 Tautan Eksternal:https://ejournal.umm.ac.id/index.php/jpbi **3.** Optimization Model Of Former Coal Mine Land As A Planting Media: Multisymbiotic Interaction Study Of Microorganisms, Plants And Environment. Penulis: Yuni Sri Rahayu; Yuliani; Mahanani Tri Asri, Journal of Shenyang Jianzhu University Tanggal Terbit.01 September 2023, Volume.39, Nomor.4, Halaman969-985 TautanLaman Jurnalhttps://www.syjzgcxyxbperiodicals.net/article/optimization-model-of-former-coal-mine-land-as-a-planting-media-multisymbiotic-interaction-study-of-microorganisms-plants-and-environment **4.** Effectiveness Of Voltammetry And Uv-Vis Spectrophotometry Methods In Analyzing Nitrite In Edible Swiftlet Nest. Penulis : Sunu Kuntjoro, Mahanani Tri Asri;Pirim Setiarso; Nita Kusumawati, Rasayan Journal of Chemistry - 34_Vol.17, No.3, 1141-1145, July - September, 2024, RJC-8783.pdf Link: https://www.rasayanjournal.co.in/ https://rasayanjournal.co.in/admin/php/upload/4285_pdf.pdf **5.** Molecular characterization and evaluation of potential isolated bacteria in optimizing former coal mining land as a planting mediain East Kalimantan, Indonesia Penulis: Yuni Sri Rahayu, Yuliani, Mahanani Tri Asri, Dwi Anggorowati Rahayu. Biodiversitas . terbit 01 November 2024, Vol. 25 No. 11 Hal. 4059-4066 Link : https://smujo.id/biodiv/article/view/16845 **6.** Biodiversity Of Cellulolytic Bacteria Isolated From Fermetodege For Ruminant. Penulis: Mahanani Tri Asri, Guntur Trimulyono, Isnawati dan Lisa Lisdiana. Terbit 02 Agustus 2024 di Biotropia Vol.31 No.2 Hal.192-201. Link: https://journal.biotrop.org/index.php/biotropia/article/view/bacterias-diversity-dominance-evenness-of-fermetodege **7.** Ionic liquid ultrasound-assisted extraction (IL-UAE) for duck feather keratin and in silico evaluation as a potential procollagen n-endopeptidase inhibitor. Penulis: Maria Monica Sianita Basukiwardojo, Mahanai Tri Asri, Nita Kusumawati. Shod Abdulrahman Zulkarnaen, in Science and Technology. Tahun 2025. Vol 10. No 1. Hal . 75-86. Link; https://www.scimagojr.com/journalsearch.php?q=21101017727&tip=sid&clean=0
Activities in sepecialist bodies over the last 5 years	**Organization** **Role** **Period**