

2022

# Staff handbook

ASIIN DOCUMENT  
BACHELOR BIOLOGY

JEMBER UNIVERSITY

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Name	Bambang Sugiharto		
Position	<ol style="list-style-type: none"> <li>Lecturer at Biology Department, Faculty of Mathematics and Sciences, Jember University</li> <li>Director of CDAST</li> <li>Professor in Plant Biochemistry and Molecular Physiology</li> </ol>		
Academic Career	Initial Academic Appointment	Institution	Year
	Bachelor on Soil Sciences	Jember University, Indonesia	1981
	Master of Agricultural Sciences on Plant Molecular Physiology	Nagoya University, Japan	1989
	Doctor of Agricultural Sciences on Plant Molecular Physiology	Nagoya University, Japan	1992
Employment	Position		Period
	Lecturer at Biology Department		1997-now
Research and development projects over the last 5 years	Name of project or research focus	In planta study on the function of the engineered photosynthetic type of sucrose-phosphate synthase from sugarcane ( <i>Saccharum officinarum</i> L.). International Collaborative Research with IPR, Osaka University (2016-2021)	
	Name of project or research focus	Innovation technology to create transgenic sugarcane resistant to sugarcane mosaic virus using Pathogen-Derived Resistance and RNA interference techniques (InSinan-Ristekdikti and IDB) (2014-2021)	
Industry collaborations over the last 5 years	<b>Titles</b>	<b>Year</b>	
Important publications over the last 5 years	Selected recent publications from a total of approx.		
	(Give total number)	4	
	Title	Widyaningrum S., DR. Pujiasih, W. Sholeha, R. Harmoko, B. Sugiharto (2021) Induction of resistance to sugarcane mosaic virus by RNA interference targeting coat protein gene silencing in transgenic sugarcane. <i>Molecular Biology Reports</i> , 48:3047–3054. doi.org/10.1007/s11033-021-06325-w	

	Title	Hidayati WN., R. Apriasti, HS. Addy, B. Sugiharto (2021) Distinguishing resistances of transgenic sugarcane generated from RNA interference and pathogen-derived resistance approaches to combating sugarcane mosaic virus. IJ Biotech., 26(2) 107-114. DOI 10.22146/ijbiotech.64734.	
<b>Activities in specialist bodies over the last 5 years</b>	<b>Organization</b>	<b>Role</b>	<b>Period</b>
	Indonesian Protein Society (IPS)	Advisors	2006-now
	Indonesian Society of Biochemistry and Molecular Biology (PBBMI).	Member	2021
	Indonesian Biotechnology Consortium (KBI).	Innovation committee	2018-2020
	Society for Indonesian Agricultural Biotechnology	Member	2021
	Asia Pacific Protein Society (APPA)	Member	2021



Name	Dr. Hidayat Teguh Wiyono,MP.d		
Position	Lecturer at Biology Department University of Jember		
Academic Career	Initial Academic Appointment	Institution	Year
	Bachelor of Biology	Malang Institute of Teacher Training and Education	1978
	Master	Malang Institute of Teacher Training and Education	1983
	Doctor	Airlangga University	1989
Employment	Position	Lecturer	1988
	Lecturer at Biology Department	Biology Department, Faculty of Mathematics and Natural Sciences, University of Jember	now
Research and development projects over the last 5 years	Name of project or research focus	Identification of New Targets of Malaria Transmission Inhibiting Vaccines: Analysis of Human Immune Response to Protein Fractions of <i>An Sondaicus</i> and <i>An aconitus</i> Salivary Gland Extracts (Hibah Pasca th th 2016,2017, dan 2018)	
	Amount of financing	IDR 350.000.000,-	
	Name of project or research focus	Gum Arabic Production Through Tapping Acacia ( <i>Acacia nilotica</i> Lam. Willd) to Increase The Income of Cattle Breeders in Baluran National Park (Hibah KeRis 2019)	
	Amount of financing	IDR 30.000.000,-	
	Name of project or research focus	Quail Embryo Development Studies ( <i>Cortunix japonica</i> ): Based on Heart Rate Analysis As Non-Destructive Method on Layer Poultry Strains Productive. (KeRis 2020)	
	Amount of financing	IDR. 26.000.000,-	
	Name of project or research focus	Inventory of Insect Insects on Pomegranate Plants in Labuhan Merak, Baluran National Park Area (Hibah KeRis Prodi 2021)	
	Amount of financing	IDR. 23.000.000,-	
Important publications over the last 5 years	Selected recent publications from a total of approx.		
	(Give total number)	12	
	Title	Effect of Baluran Gum Arabic on Blood Glucose Level in Diabetic Rat ( <i>Rattus Novergicus</i> ) Hidayat Teguh Wiyono, Eva Tyas Utami, Dinna Wahyu Putri Wardhani. Publikasi Ilmiah Elektronik. Universitas Jember. Jurnal Berkala Sainstek, 31 Juli 2021. Vol 9. No.2 pp: 81-85.	
	Title	Morphological and Biochemical Characteristic of Endosymbiont Cellulolytic Bacteria from Gut of <i>Hypethenemus hampei</i> Ferr. and Its Enzyme Activity Azizah, Purwatiningsih, Hidayat Teguh Wiyono, Kahar Muzakhar AIP Conference Proceedings, 16 Nov 2021,Vol 2296 Issue 1	
Title	Distribution and Frequency of ABO and Rhesus System Blood Type Alleles in Residents on Gili Ketapang Island Probolinggo. Kirana Eka Rezki, Rike Oktarianti, Hidayat Teguh Wiyono, Purwatiningsih Jurnal Ilmiah Biosaintropik (Bioscience-Tropik), Fakultas MIPA Unisma. 31 Agustus 2021. Vol 7. No.1. pp:91-96.		

	Title	Mosquito Diversity Potentially as Vector of Malaria and Dengue in Bangsring Village, Wongsorejo District, Banyuwangi Regency Siti Fat'hiyatul Azkiah, Kartika Senjarini, Rike Oktarianti, Hidayat Teguh Wiyono, Syubbanul Wathon FMIPA Universitas Jember, Jurnal Ilmu Dasar. 14 Januari 2021. Vol 22.No.1.pp:59-68.ISSN: 1411-5735.
	Title	Donal's Ongole (PO) calf playing behavior at the Labuhan Merak Resort, Baluran National Park. Ahmad Mauludin Sohik, Hidayat Teguh Wiyono, Mahriani Universitas Jember. Berkala Sainstek. 31 Desember 2021. Vol 6. No.2.pp:89-96.



Name	Dr. Dra. Rike Oktarianti, M.Si		
Position	Lecturer at Biology Department University of Jember		
Academic Career	Initial Academic Appointment	Institution	Year
	Bachelor of Biology	Faculty of Biology Gadjah Mada University (UGM)	1983-1989
	Master of Biology	Gadjah Mada University (UGM)	1995-1998
	Doctor of Biology	Brawijaya University	2011-2015
Employment	Position	Head of Biology Magister Program	Period
	Lecturer at Biology Department	Biology Department, Faculty of Mathematics and Natural Sciences, University of Jember	1990 -now
	Head of Biotechnology Laboratory	Biology Department, Faculty of Mathematics and Natural Sciences, University of Jember	2016-2020
	Head of Biology Magister Program	Biology Department, Faculty of Mathematics and Natural Sciences, University of Jember	2019-now
Research and development projects over the last 5 years	Name of project or research focus	Molecular Epidemiology of Dengue Hemorrhagic Fever: DHF Mosquito Vector Competency Analysis Based on DNA Barcoding Internal Transcribe Spacer II (ITS2) & Cytochrome C Oxidase Sub Unit 1 (COX1) (Research Scheme for Professor Acceleration Grant-2021)	
	Amount of financing	78.250.000	
	Name of project or research focus	Specificity and Universality of New Primer ITS2 (Internal Transcribed Spacer 2) for DNA Molecular Marker-Based Characterization, Malaria Vector Anopheles sp (Research Scheme for Supporting Grants IDB-2021)	
	Amount of financing	80.000.000	
Important publications over the last 5 years	Selected recent publications from a total of approx.		
	(Give total number)	30	
	Syubbanul Wathon, Rike Oktarianti, Nuril Azizah, Yasir Mubarok, Riana Agatha Listiani, Kartika Senjarini Purification of 31 and 67 kDa Protein Fraction from Salivary Gland of <i>Aedes albopictus</i> Diptera Culicidae. <b>Bioedukasi</b> . May 2021. 19 (1) : 1-8		
	Kartika Senjarini, Syubbanul Wathon, Dwi Esti Febriyanti, Christof Lenz, Rike Oktarianti Molecular Characterization of Secreted Protein from Salivary Gland of Immunogenic protein of <i>Anopheles vagus</i> . <b>IOP Conference Series</b> : Earth and Environmental Science. May 2021. 747 (1) 012055		

	<p>Dita Paramitha Agustin, Berlian Permata, Cizein Tri Cahyani, Syubbanul Wathon, Rike Oktarianti, Kartika Senjarini  Anopheles Microbota in Malaria Vector and The effect on Parasite Transmission. <b>Bioedukasi</b>. October 2021. 19 (2) : 79-89</p>
	<p>Rike Oktarianti, Rochmatul Nuryu Khasanah, Syubbanul Wathon, Kartika Senjarini  Detection of Immunogenic Protein from Salivary Gland of <i>Aedes albopictus</i>. <b>Universa Mediiicina</b>. November 2021. 40 (3) : 234-242 (2021)</p>
	<p>In Vitro Analysis of human immune response (IgG) against salivary gland extract of dengue vector from dengue hemorrhagic fever (DHF) endemic area in Jember, Indonesia. <b>IOP Conference Series : Earth and Environmental Science</b>. November 2021. 913 (012090)</p>





Name	Dra. Hari Sulistiyowati, M.Sc., Ph.D.		
Position	Lecturer of Plant Ecology, Biology Education Study Program, University of Jember		
Academic Career	Initial Academic Appointment	Institution	Year
	Bachelor of Biology Education	Universitas Jember	1984-1989
	Master of Plant Ecology	University of Saskatchewan, Saskatoon, Canada	1996-1998
	Doctor of Plant Ecology	University of The Philippines Los Banos, Philippines	2012-2015
Employment	Position	Employer	Period
	Lecturer of Ecology	Biology Department, Faculty of Mathematics and Natural Sciences, University of Jember	1998-now
Research and development projects over the last 5 years	Name of project or research focus	Formulate of Master Plan of Ijen Geopark	
	Amount of financing	IDR 250.000.000	
	Name of project or research focus	Long-term increase in soil productivity through increasing stable carbon stocks for soybean production	
	Amount of financing	IDR 177.550.000	
	Name of project or research focus	Accounting of Carbon Footprint in Universitas Jember	
	Amount of financing	IDR 174.000.000	
	Name of project or research focus	Management of the Rehabilitation Zone at Meru Betiri National Park Through the Development of a Plot Demonstration Design with Priority for Plant Types That Have a Land Cover Function	
	Amount of financing	IDR 1.996.055.637	
	Name of project or research focus	Master Plan for Papuma, Watu Ulo, Payangan and Puger Tourism Areas, Jember Regency	
Amount of financing	IDR 494.500.000		
Patents and proprietary rights	Carbon Footprint Report Certificate: EC00202123561	2021	
Important publications over	Selected recent publications from a total of approx.		
	(Give total number)	7	

<p>the last 5 years</p> <p><b>Activities in specialist bodies over the last 5 years</b></p>	Title	Rizkiah, DW., Sulistiyowati, H., Siddiq, AM. 2021. Distribution Pattern of the Exotic Plant <i>Chromolaena odorata</i> in Rehabilitation Zone at Donglo Block, Resort of Wonoasri, Meru Betiri National Park. Jurnal Riset Biologi dan Aplikasinya 3 (1).
	Title	Liana, YDA., Sulistiyowati, H., Siddiq, AM. 2021. Distribution Pattern of the Exotic Plant ( <i>Synedrella nodiflora</i> (L) Gaetern) in the Rehabilitation Zone, Resort of Wonoasri, Meru Betiri National Park. Biolonk 8 (1).
	Title	Sulistiyowati, H., Rahmawati, E., Wimbaningrum, R. 2021. Spatial Distribution Patterns of <i>Lantana camara</i> L. Population as Invasive Alien Species In Pringtali Savana Bandalit Resort Meru Betiri National Park. Jurnal Ilmu Dasar 22 (1).
	Title	Ratnasari, T., Ana, DA., Sulistiyowati, H., Setyati, D. 2021. Kluwek Seed ( <i>Pangium edule</i> Reinw) Germination Response to Soaking Time and Concentration of Gibberellin Acid (GA3). Jurnal Ilmu Dasar 22 (2).



Name	Dr. Kahar Muzakhar, S.Si.		
Position	Lecturer at Biology Department, Faculty of Math . and Natural Science, University of Jember		
Academic Career	Initial Academic Appointment	Institution	Year
	Bachelor of Biology	Bandung Institute of Technology	1986-1993
	Doctor of Applied Microbiology	Osaka Prefecture University	1996-2000
Employment	Position	Employer	Period
	Lecturer of Microbiology	Faculty of Mathematics and Natural Sciences, University of Jember	1997-now
Research and development projects over the last 5 years	Name of project or research focus	Tropical Potential Microorganisms	
	Amount of financing	Rp 30.000.000,-	
	Name of project or research focus	Identification of bacteria Endosymbion Digestive System Pest Coffee Beans <i>Hypothenemus hampei</i> Ferr	
	Amount of financing	Rp 49.000.000,-	
	Name of project or research focus	Production of Industrial Grade Cellulase Enzyme Based on Coffee Fruit <i>Exocarpa</i> Skin Waste Substrate	
	Amount of financing	Rp 416.000.000,-	
	Name of project or research focus	Microbial utilization of coffee pulp for xylanase production	
Amount of financing	Rp 50.000.000,-		
Patents and proprietary rights	Patent Certificate: P00201608480	The production process of cellulase from <i>Aspergillus</i> sp. Raw material from waste fiber from palm empty fruit bunches.	
Important publications over the last 5 years	Selected recent publications from a total of approx.		
	(Give total number)	18	
	Title	AA Hidayah, Azizah, R Winarsa, <b>K Muzakhar</b> . 2020. Utilization of coffee pulp as a substrate for pectinase production by <i>Aspergillus</i> sp. VTMS through solid-state fermentation. <i>AIP Conference Proceedings</i> 2296 (1), 020012	
	Title	S Arimurti, RB Afifuddin, S Siswanto, <b>K Muzakhar</b> . 2020. Characterization and Identification of Caffeine-Degrading Bacteria KAJ 36. <i>Pelita Perkebunan (a Coffee and Cocoa Research Journal)</i> 36 (2), 173-179	
	Title	Fitri Azhari, Rudju Winarsa, Siswanto, <b>Kahar Muzakhar</b> , Esti Utarti, Sutoyo, Sattya Arimurti. 2021. Growth of <i>Lactobacillus casei</i> FNCC 0900 in Media Based Umbi Porang Plant ( <i>Amorphophallus muelleri</i> Bl.). <i>BERKALA SAINSTEK</i> . 2021 9(2): 86-94	
Title	R Rusdianti, A Azizah, E Utarti, HT Wiyono, <b>K Muzakhar</b> 2021. Cheap cellulase production by <i>Aspergillus</i> sp. VTM1 through solid state fermentation of coffee pulp waste. <i>Key Engineering Materials</i> 884, 159-164		

	Title	ON Gasani, A Azizah, S Siswanto, R Winarsa, <b>K Muzakhar</b> . 2021. Pectinase Production by Using Coffee Pulp Substrate as Carbon and Nitrogen Source. <i>Key Engineering Materials</i> 884, 165-170
	Title	NI Sunarto, A Azizah, E Utarti, R Winarsa, <b>K Muzakhar</b> . 2021. Preliminary Investigation of Cellulase Producer Candidate Isolate VT11 Using Coffee Pulp Waste Under Solid-State Fermentation. <i>Key Engineering Materials</i> 884, 234-240
	Title	U Wasilah, <b>K Muzakhar</b> , P Purwatiningsih. 2021. Cellulase, Pectinase, and Xylanase Production by <i>Listeria</i> sp. ISH 16 using Coffee Pulp Waste Medium. <i>IPTEK Journal of Proceedings Series</i> , 354-359



Name	Dra. Susantin Fajariyah, M.Si		
Position	Lecturer at Biology Department University of Jember		
Academic Career	Initial Academic Appointment	Institution	Year
	Bachelor of Biology	Airlangga University	1989
	Master	Bandung Institute of Technology	2000
Employment	Position		
	Lecturer at Biology Department	Biology Department, Faculty of Mathematics and Natural Sciences, University of Jember	2000-now
	Name of project or research focus	Study of Black Soybeans Potential for Bone Remodeling in Mice ( <i>Mus musculus</i> L) Estrogen Deficiency as an Effort to Prevent Osteoporosis (Dana Penunjang IDB-2019)	
	Amount of financing	IDR. 57.500.000	
	Name of project or research focus	Potential of Black Soybean Extract for Osteoporosis Prevention; A Study on the Expression of RANKL, RANK, OPG and Osteoblast Cell Proliferation (Dana Pendukung IDB-2020)	
	Amount of financing	IDR. 57.500.000	
	Name of project or research focus	Effects of Turmeric ( <i>Curcuma longa</i> L) Rhizome Extract on Kidney Histopathology of Rats ( <i>Rattus norvegicus</i> ) Exposed to the Nephrotoxicant Thioacetamide (Hibah KeRis-2021)	
	Amount of financing	IDR. 25.250.000	
Important publications over the last 5 years	Selected recent publications from a total of approx.		
	(Give total number)		
	Title	Effect of Electric Cigarette Smoke Exposure on Spermatozoa Quality of Mice ( <i>Mus musculus</i> L). Susantin Fajariyah, Eva Tyas Utami, Nuril Laelatul Hidayatus Sa'adah Internasional jurnal of Advanced Engineering Research and Science, (IJAERS), AI Publication, (e-ISSN 2456-1908). 27 Desember 2021. Vol 8 No.12. pp: 371-374	
	Title	Curcumin effectivity on Hepar and Reproductive Recovery of Male Mice ( <i>Mus musculus</i> L) after Methoxychlor Exposure. Mahriani, Susantin Fajariyah, Eva Tyas Utami Jurnal Biota: Biologi dan Pendidikan Biologi (e-ISSN 2460-8483). 30 Juni 2020. Vol 13 No.1. pp: 41-57	
	Title	Diuretics Effect of Avocado Leaf ( <i>Persea Americana</i> Mill) Ethanol Extract on The Gastric Histology of Wistar Male Rats ( <i>Rattus norvegicus</i> ) Dwi Erlinda, Mahriani, & Susantin Fajariyah Fakultas Saintek, Program Studi Biologi, Universitas Medan Area BioLink : Jurnal Biologi Lingkungan, Industri dan Kesehatan, (e-ISSN: 2550-1305) 10 Agustus 2020, Vol. 7 No. 1.pp: 62-70	
Title	Effects of black soybean ( <i>Glycine soja</i> ) ethanol extract on dermis thickness of mice ( <i>Mus musculus</i> L.) after unilateral ovariectomy Isna Kurotul Akyun, Susantin Fajariyah, Mahriani Prodi Biologi Udayana Jurnal Biologi Udayana (e-ISSN: 25992856) 27 Desember 2019, Vol. 23 No.2. pp:80-87		

	Title	The Effect of Ethanol Extract Turmeric Rhizome ( <i>Curcuma Longa</i> ) to Histological Structure of Rat Rectum Induced Dextran Sodium Sulphate (DSS) Lidia Maziyyatun Nikmah, Susantin Fajariyah, Mahriani Fakultas MIPA Universitas Jember, Jurnal ILMU DASAR (e-ISSN 24425613), Januari 2019, Vol.20 No. 1, pp:13-18
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Name	Drs. Rudju Winarsa, M.Kes.		
Position	Lecturer at Biology Department University of Jember		
Academic Career	Initial Academic Appointment	Institution	Year
	Bachelor of Biology	Gadjah Mada University	1980-1986
	Master of Medicine	Airlangga University	1997-2000
Employment	Position	Employer	Period
	Lecturer of Microbiology	Faculty of Mathematics and Natural Sciences, University of Jember	1997-now
Research and development projects over the last 5 years	Name of project or research focus	Tropical Potential Microorganisms	
	Amount of financing	Rp 30.000.000,-	
Important publications over the last 5 years	Selected recent publications from a total of approx.		
	(Give total number)	11	
	Title	AA Hidayah, Azizah, <b>R Winarsa</b> , K Muzakhar. 2020. Utilization of coffee pulp as a substrate for pectinase production by <i>Aspergillus</i> sp. VTMS through solid-state fermentation. <i>AIP Conference Proceedings</i> 2296 (1), 020012	
	Title	MS Kusumah, HT Wiyono, A Subekti, K Muzakhar, <b>R Winarsa</b> . 2020. Production of Gum Arabic Baluran to Support the Development of Kampung Banteng Tourism in Karang Tekok as a Buffer Area of Baluran National Park <i>JATI EMAS (Jurnal Aplikasi Teknik dan Pengabdian Masyarakat)</i> 4 (1), 21-26	
	Title	Fitri Azhari, <b>Rudju Winarsa</b> , Siswanto, Kahar Muzakhar, Esti Utarti, Sutoyo, Sattya Arimurti. 2021. Growth of <i>Lactobacillus casei</i> FNCC 0900 in Media Based Umbi Porang Plant ( <i>Amorphophallus muelleri</i> BI.). <i>BERKALA SAINSTEK</i> . 2021 9(2): 86-94	
	Title	ON Gasani, A Azizah, S Siswanto, <b>R Winarsa</b> , K Muzakhar. 2021. Pectinase Production by Using Coffee Pulp Substrate as Carbon and Nitrogen Source. <i>Key Engineering Materials</i> 884, 165-170	
	Title	HT Wiyono, <b>R Winarsa</b> , K Muzakhar, A Subekti. 2021. Gum neem tapping training for cattle ranchers in Mr Baluran's buffer area as additional income. <i>Seminar Nasional Pengabdian Kepada Masyarakat (SEPAKAT)</i> 2	
	Title	NI Sunarto, A Azizah, E Utarti, <b>R Winarsa</b> , K Muzakhar. 2021. Preliminary Investigation of Cellulase Producer Candidate Isolate VT11 Using Coffee Pulp Waste Under Solid-State Fermentation. <i>Key Engineering Materials</i> 884, 234-240	



Name	Dra. Dwi Setyati, M.Si		
Position	Lecturer at Biology Department University of Jember		
Academic Career	Initial Academic Appointment	Institution	Year
	Bachelor of Biology	Gadjah Mada University	1983
	Magister	Gadjah Mada University	1996
Employment	Position	Head of Botany Laboratory	2020-2024
	Lecturer oot Biology Department	Biology Department, Faculty of Mathematics and Natural Sciences, University of Jember	1991-now
Research and development projects over the last 5 years	Name of project or research focus	Potential Barcode Effectiveness Test on <i>Dendrobium linearifolium</i> , <i>Bulbophyllum odoratum</i> and <i>Vanda tricolor</i> Orchids From the Gumitir Mountain Area, Jember Regency (Keris-2021) Dwi Setyati, M.Suudi and Fuad Bahrul Ulum	
	Amount of financing	IDR 35.500.000	
	Name of project or research focus	Physiological Characterization of Medicinal Potential Orchids From Mount Gumitir (Keris-2020) Dwi Setyati, Hari Sulistiyowati and Tri Ratnasari	
	Amount of financing	IDR 28.500.000	
	Name of project or research focus	Physiological Characterization of Potential Medicinal Ferns and Mosses from Mount Gumitir (Keris-2019) Dwi Setyati, Hari Sulistiyowati and Tri Ratnasari	
	Amount of financing	IDR 30.000.000	
Important publications over the last 5 years	Selected recent publications from a total of approx.		
	(Give total number)	4	
		D Setyati <sup>1</sup> , H Sulistiyowati <sup>1</sup> , R Rahmawati and T Ratnasari. The spores structure of ferns growing in mountain Gumitir coffee plantation area Jember Regency . IOP Conference Series: Earth and Environmental Science Vol.743 012089 . May 30- June3, 2021. p.1-12	
	Dwi Setyati, Luthfiah, Sattya Arimurti Antibacterial Activity of Liverworts of <i>Dumortiera hirsuta</i> (Sw.) Nees. Ethyl Acetate Extract Against Pathogenic Bacteria. University of Jember. Berkala Sainstek 9 (2):75-80. Juli 27, 2021,p.75-80		



		Tri Ratnasari, Daniar Alfiana, Hari Sulistiyowati and Dwi Setyati Kluwek Seed ( <i>Pangium edule</i> Reinw) Germination Response to Soaking Time and Concentration of Gibberellin Acid (GA3) Faculty of mathematics and natural sciences, University of Jember. Jurnal Ilmu Dasar, Vol.22 No.2, Juli 27,2021, p.161-167		
		Esti Utarti1, Saniyah Fatkhul Alim, Dwi Setyati, Sutoyo Isolation of Phosphate-Solubilizing Actinomycetes of Tobacco Rhizosphere ( <i>Nicotiana tabacum</i> L.) From Jember Master of Biology Udayana University. Metamorfosa: Journal of Biological Sciences 8(2): September 28, 2021, p. 260-267		
<b>Activities in specialist bodies over the last 5 years</b>	<b>Organization</b>	<b>Role</b>	<b>Period</b>	



Name	Dr. Sutoyo, M.Si.		
Position	Lecturer at Biology Department University of Jember		
Academic Career	Initial Academic Appointment	Institution	Year
	Bachelor of Biology	Jenderal Soedirman University	1985-1990
	Master of Microbiology	IPB University	1995-1998
	Doctor of Microbiology	Brawijaya University	2013-2020
Employment	Position	Employer	Period
	Lecturer of Microbiology	Faculty of Mathematics and Natural Sciences, University of Jember	1992-now
Research and development projects over the last 5 years	Name of project or research focus	Tropical Potential Microorganisms	
	Amount of financing	Rp 30.000.000,-	
Important publications over the last 5 years	Selected recent publications from a total of approx.		
	(Give total number)	4	
	Title	Fitri Azhari, Rudju Winarsa, Siswanto, Kahar Muzakhar, Esti Utarti, <b>Sutoyo</b> , Sattya Arimurti. 2021. Growth of <i>Lactobacillus casei</i> FNCC 0900 in Media Based Umbi Porang Plant ( <i>Amorphophallus muelleri</i> BI.). <i>BERKALA SAINSTEK</i> . 2021 9(2): 86-94	
	Title	Isolation of Phosphate-Solubilizing Actinomycetes of Tobacco Rhizosphere ( <i>Nicotiana tabacum</i> L.) From Jember. <i>Metamorfosa</i> : Esti Utarti, Saniyah Fatkhul Alim, Dwi Setyati, Sutoyo. 2021 <i>Journal of Biological Sciences</i> 8(2): 260-267	
	Title	Sutoyo, Subandi, Tri Ardyati1, Suharjo. 2019. Screening of Keratinolytic Fungi for Biodegradation Agent of Keratin from Chicken Feather Waste. <i>IOP Conf. Series: Earth and Environmental Science</i> 391 (2019) 012027	
Title	Sutoyo Sutoyo, Subandi Subandi, Tri Ardyati, Suharjo. 2019. Isolation and identification of keratinolytic bacteria from Jember, Indonesia as a biodegradation agent of chicken feather wastes. <i>Asian J Agric &amp; Biol</i> . 7(4):491-500.		

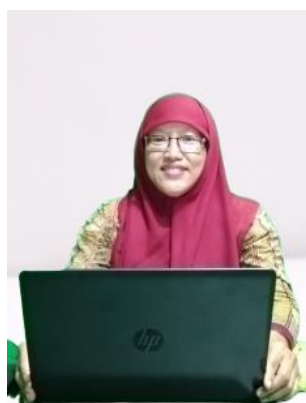
<b>Activities in specialist bodies over the last 5 years last 5 years</b>	<b>Organization</b>	<b>Role</b>	<b>Period</b>
	Mikoina	Member	2021-2022



Name	Dr. Dra. Retno Wimbaningrum, M.Si.		
Position	Lecturer at Biology Department University of Jember		
Academic Career	Initial Academic Appointment	Institution	Year
	Bachelor of Biology	Faculty of Biology Gadjah Mada University (UGM)	1986-1992
	Master of Biology	Institute of Technology Bandung (ITB)	1999-2002
	Doctor of Biology	Brawijaya University	2011-2017
Employment	Position	Institution	Period
	Lecturer at Biology Department	Biology Department, Faculty of Mathematics and Natural Sciences, University of Jember	1993 -now
	Head of Biology Department	Faculty of Mathematics and Natural Sciences, University of Jember	2020-2025
Research and development projects over the last 5 years	Name of project or research focus	Assessment of water quality in inorganic farming irrigation canals using benthic macroinvertebrate bioindicators in Rowosari Village, Jember Regency (2022)	
	Amount of financing	IDR 10.000.000	
	Name of project or research focus	The effectiveness of <i>Cyperus alternifolius</i> L. in reducing BOD <sub>5</sub> and TSS levels and increasing the pH of the tempe industrial wastewater (2022)	
	Amount of financing	IDR 10.000.000	
	Name of project or research focus	Assessment of water quality in organic farming irrigation canals using benthic macroinvertebrate bioindicators in Rowosari Village, Jember Regency (2021)	
	Amount of financing	IDR 10.000.000	
	Name of project or research focus	Assessment of the Biodiversity Status of Coastal Areas at Sembulungan Resort, Alas Purwo National Park as a Basis for Determining Sustainable Conservation Models (2021)	
	Amount of financing	IDR 23.000.000	
	Name of project or research focus	Habitat Preferences and Density of Species Brittle Star <i>Ophiomastix annulosa</i> (Muller & Troschel 1842) at Intertidal Ecosystems Bilik Coastal Baluran National Park (2021)	
	Amount of financing	IDR 18.000.000	
Name of project or research focus	The effectiveness of <i>Ipomoea carnea</i> Jacq. on artificial wetlands in reducing contaminant levels of crude oil liquid waste (2021)		

	Amount of financing	IDR 10.000.000
	Name of project or research focus	The effectiveness of <i>Typha angustifolia</i> L. in reducing BOD and TSS levels and increasing the pH of the tempe industrial wastewater (2021)
	Amount of financing	IDR 10.000.000
	Name of project or research focus	The effectiveness of <i>Cyperus alternifolius</i> L. in reducing BOD <sub>5</sub> , nitrogen, TSS levels and increasing the pH of the natural rubber processing liquid waste on artificial wetlands
	Amount of financing	IDR 10.000.000
	Name of project or research focus	Ecological Valuation of Mangrove Forest in Kucur Resort at Alas Purwo National Park (2020)
	Amount of financing	IDR 23.000.000
	Name of project or research focus	River Water Quality Assessment Based on Epilithic Diatom Index and Its Relationship with Land Use (Case Study in Bedadung River, Jember, East Java) (2020)
	Amount of financing	36.000.000
	Name of project or research focus	The Influence of Riparian on the Water Biological Quality in Bedadung River, Jember Regency, East Java (2019)
	Amount of financing	30.000.000
	Name of project or research focus	Effectiveness of artificial wetlands with cat's tail plants ( <i>Typha angustifolia</i> L.) in liquid waste treatment of tofu industry (2019)
	Amount of financing	IDR 10.000.000
	Name of project or research focus	Ecosystem Diversity and Structure at Bandalit Resort Meru Betiri National Park (2018)
	Amount of financing	30.000.000
Cooperation with industry over the past 5 years	<b>Titles</b>	<b>Year</b>
Patent and protected rights		
Publications	Selected recent publications from a total of approx.	
	(Give total number)	10
	Setiawan, R. Wimbaningrum, R., Siddiq, AM., Saputra, IS. 2021. Species Diversity and Habitat Characteristics of Giant Clam (Cardidae: Tridacninae) In Ecosystems Intertidal Bilik Cape Baluran National Park. <i>Jurnal Kelautan</i> 14(3)	
	Setiawan, R. Siddiq, AM. Wimbaningrum, R. Sulistyowati, H. Aditya, MY. 2021. Diversity of Gastropods at Jati Papak Mangrove Forest, Kucur Resort, Alas Purwo National Park. <i>Bioeduscience</i> 5(3).	
Muhammad Asyrofi, Hari Sulistyowati, Retno Wimbaningrum. 2021. Pola distribusi populasi lutung jawa ( <i>Trachypithecus auratus</i> E. Geoffroy Saint – Hilaire, 1812) di Cagar Alam Watangan Puger, Kabupaten Jember. Prosiding Seminar Nasional Biologi 6, Jurusan Biologi, Fakultas Sains dan Teknologi, UIN Negeri Sunan Gunung Djati, Bandung.		

	Retno Wimbaningrum, Ahmad Farid Ary Wardhana, Hari Sulistiyowati. 2021. The Assessment Of Water Quality Of Bedadung River Upstream Using Trophic Diatom Index. <i>Jurnal Metamorfosa Journal of Biological Sciences</i> , 8(2): 349-358.		
	Sulistiyowati, H., Rahmawati, E., Wimbaningrum, R. 2021. Spatial Distribution Patterns of Lantana camara L. Population as Invasive Alien Species In Pringtali Savana Bandalit Resort Meru Betiri National Park. <i>Jurnal Ilmu Dasar</i> 22 (1).		
	Retno Wimbaningrum, Indriana Ariyanti, Hari Sulistiyowati. 2020. Effectiveness of lembang plant ( <i>Typha angustifolia</i> L.) in artificial wetlands in reducing TSS, BOD, and phosphate levels in laundry industrial wastewater. <i>Berkala Saintek</i> 8(10)		
	Fefi Eka Wardhani, Retno Wimbaningrum, Rendy Setyawan. 2019. The correlation between type of land use and water quality in Rembangan River, Jember Regency.		
	Nur Endah Novia Lestari, Sudarmadji Sudarmadji, Retno Wimbaningrum . 2019. Distribution Pattern of <i>Rhizophora apiculata</i> Blume population in Mangrove Forest, Pantai Bilik, Baluran National Park. <i>Jurnal Hutan Tropis</i> , Vol.7(1).		
	Setiawan, R. Wimbaningrum, R. Fatimah, S. 2018. The Diversity of Butterflies (Lepidoptera:Rhopalocera) in The Rehabilitation Zone Of Curah Malang Block, Resort Wonoasri Meru Betiri National Park. <i>Natural Science: Journal of Science and Technology</i> 7(2).		
	Retno Wimbaningrum, Serafinah Indriyani, Catur Retnaningdyah, Endang Arisoelaningsih. 2016. Monitoring Water Quality Using Biotic Indices of Benthic Macroinvertebrates along Surfaces Water Ecosystems in Some Tourism Areas in East Java, Indonesia. <i>Journal of Indonesian Tourism and Development Studies</i> , 4(2).		
<b>Participants in specialized organization over the past 5 years</b>	<b>Organization</b>	<b>Role</b>	<b>Period</b>



Name	Eva Tyas Utami,S.Si, M.Si		
Position	Lecturer at Biology Department University of Jember		
Academic Career	Initial Academic Appointment	Institution	Year
	Bachelor of Biology	Gadjah Mada University	1991
	Master	Gadjah Mada University	1998
Employment	Position	Head of Biotechnology Laboratory	2020-2024
	Lecturer at Biology Department	Biology Department, Faculty of Mathematics and Natural Sciences, University of Jember	2000-now
	Name of project or research focus	Study of Black Soybeans Potential for Bone Remodeling in Mice ( <i>Mus musculus</i> L) Estrogen Deficiency as an Effort to Prevent Osteoporosis (Dana Penunjang IDB-2019)	
	Amount of financing	IDR. 57.500.000	
	Name of project or research focus	Potential of Black Soybean Extract for Osteoporosis Prevention; A Study on the Expression of RANKL, RANK, OPG and Osteoblast Cell Proliferation (Dana Pendukung IDB-2020)	
	Amount of financing	IDR. 57.500.000	
	Name of project or research focus	Effects of Turmeric ( <i>Curcuma longa</i> L) Rhizome Extract on Kidney Histopathology of Rats ( <i>Rattus norvegicus</i> ) Exposed to the Nephrotoxicant Thioacetamide (Hibah KeRis-2021)	
	Amount of financing	IDR. 25.250.000	
Important publications over the last 5 years	Selected recent publications from a total of approx.		
	(Give total number)	6	
	Title	Effects of Black Soya Extract ( <i>Glycine soja</i> ) on Histology Femur of Mice ( <i>Mus musculus</i> L) Ovariectomized Mahriani, Resa MiftahatuYuniar, Masrurotul Hasanah, Eva Tyas Utami Prodi Biologi Udayana Jurnal Biologi Udayana Juni 2021. 25 Juni 2021. Vol.25 No.1.pp: 39-45	
	Title	Effect of Electric Cigarette Smoke Exposure on Spermatozoa Quality of Mice ( <i>Mus musculus</i> L). Susantin Fajariyah, Eva Tyas Utami, Nuril Laelatul Hidayatus Sa'adah Internasional jurnal of Advanced Engineering Research and Science, (IJAERS), AI Publication, (e-ISSN 2456-1908). 27 Desember 2021. Vol 8 No.12. pp: 371-374	
	Title	Effect of Baluran Gum Arabic on Blood Glucose Level in Diabetic Rat ( <i>Rattus Novergicus</i> ) Hidayat Teguh Wiyono, Eva Tyas Utami, Dinna Wahyu Putri Wardhani. Publikasi Ilmiah Elektronik. Universitas Jember. Jurnal Berkala Sainstek, 31 Juli 2021. Vol 9. No.2 pp: 81-85.	
Title	Curcumin effectivity on Hepar and Reproductive Recovery of Male Mice ( <i>Mus musculus</i> L) after Methoxychlor Exposure.		

		Mahriani, Susantin Fajariyah, Eva Tyas Utami Jurnal Biota: Biologi dan Pendidikan Biologi (e-ISSN 2460-8483). 30 Juni 2020. Vol 13 No.1. pp: 41-57
	Title	Effect of Exposure to E-Cigarette Smoke on Lung Histology of Male Balb/c Mice ( <i>Mus musculus</i> L) Eva Tyas Utami, Bella Dwi Arifianti, Mahriani, Susantin Fajariyah Program Studi Biologi, UHAMKA. Jakarta. Bioeduscience Jurnal Pendidikan Biologi dan Sains. Desember 2020. Vol.4 No.2. pp: 129-135.
	Title	Balb/c Male Mice ( <i>Mus musculus</i> L.) Hematology Profile after Electronic Cigarette Exposure Eva Tyas Utami, Ulfi Risqillah, Susantin Fajariyah Prodi Biologi Udayana Jurnal Biologi Udayana (e-ISSN: 25992856) 26 Desember 2020.Vol 24 No.2 pp:115-125





Name	Purwatiningsih, S.Si, M.Si, Ph.D		
Position	Lecturer at Biology Department, Biology Education Study Program University of Jember		
Academic Career	Initial Academic Appointment	Institution	Year
	Bachelor of Biology	FMIPA Airlangga University Surabaya	1993-1998
	Master of Science	Bandung Institute of Technology	1998-2001
	Philosophy of Doctorate	The University of Queensland	2009-2013
Employment	Position	Vice Dean of HRD affairs	2020-2024
	Lecturer oot Biology Department	Biology Department, Faculty of Mathematics and Natural Sciences, University of Jember	2000-now
Research and development projects over the last 5 years	Name of project or research focus	Insect Pest Inventarization from Pomegranate ( <i>Punica granatum</i> ) in Labuhan Merak, Baluran National Park (Keris 2021)	
	Amount of financing	23.000.000	
Industry collaborations over the last 5 years	<b>Titles</b>	<b>Year</b>	
Patents and proprietary rights			
Important publications over the last 5 years	Selected recent publications from a total of approx.		
	(Give total number)	4	
	Title	Toxicity of Sengon Sea Wood Sawdust Extract ( <i>Albizia Falcataria</i> L. Forberg) Against Mortality of Hypothenemus Hampei Ferr. (Coleoptera: Scolitydae), ProLife. 2019, Volume: 6   ISSN: 2302-0903	
	Title	Toxicity of n-hexane Extract of Sengon Wood Sawdust ( <i>Albizia falcataria</i> l. Forberg) on Mortality of Coffee Fruit Borer Insect ( <i>Hypothenemus hampei ferr.</i> ) Biotropic, 2019, Volume: 3   ISSN: 2580-5029	
	Title	Distribution and Frequency of ABO and Rhesus System Blood Type Alleles in Residents on Gili Ketapang Island Probolinggo Biosaintropis,2021, Volume: 7   ISSN: 2460-9455	
	Title	Diversity of Mosquito Species Potentially as Disease Vectors (Diptera: Culicidae) In Baluran National Park Indonesia. Jurnal: Alkauniyah, 2021, Volume: 14 ISSN:2502-6720	

Activities in specialist bodies over the last 5 years	Organization	Role	Period
	Indonesian Entomological Society, Branch of Besuki	Secretary	2019-now
	Organic Agriculture Society	Asesor of competence in organic agriculture Asesor of competence in tissue culture level II	2020-now

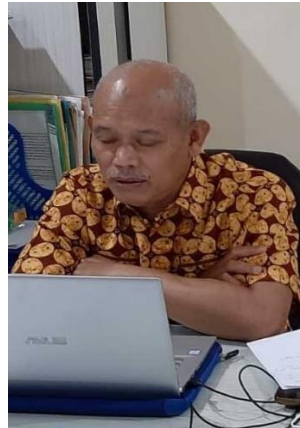


Name	Drs. Siswanto, M.Si		
Position	Lecturer at Biology Department University of Jember		
Academic Career	Initial Academic Appointment	Institution	Year
	Bachelor of Biology	Gadjah Mada University	1980-1986
	Master of Biology	Gadjah Mada University	1997-2000
Employment	Position	Head of Laboratory	Period
	Lecturer at Biology Department	Biology Department, Faculty of Mathematics and Natural Sciences, University of Jember	1991-now
Patents and proprietary rights	Cellulase production from <i>Aspergillus</i> sp. with the raw material of oil palm frugs waste	2020	
Important publications over the last 5 years	Selected recent publications from a total of approx.		
	(Give total number)	3	
	Title	Characterization And Identification Of Caffeine-Degrading Bacteria Kaj36 As An Agent Of Decaffeinated Coffee	
	Title	Bioelectricity Generation From Single-Chamber Microbial Fuel Cells With Various Local Soil Media and Green Bean Sprouts as Nutrient	
Title	Utilization of Prebiotic Suweg Bulbs ( <i>Amorphallus campanulatus</i> BI) on Probiotic Bacterial Growth of <i>Lactobacillus casei</i> in Vitro)		



Name	Dr. Esti Utarti, S.P., M.Si		
Position	Lecturer at Biology Department University of Jember		
Academic Career	Initial Academic Appointment	Institution	Year
	Bachelor of Biology	Jember University	1993
	Master	IPB University	2000
	Doctor	IPB University	2019
Employment	Position	Head of Microbiology Laboratory	2020-2024
	Lecturer at Biology Department	Biology Department, Faculty of Mathematics and Natural Sciences, University of Jember	1999-now
Research and development projects over the last 5 years	Name of project or research focus	Study of Lytic Polysaccharide Monoxygenase Activity from Indigenous Actinomycetes as Pre-Treatment Agent in Biodegradation of Lignocellulosic Waste (Penelitian Disertasi Doktor-2018)	
	Amount of financing	IDR 52.000.000	
	Name of project or research focus	Potential of Indigenous Actinomycetes from Rhizosphere of Tobacco ( <i>Nicotiana tabacum</i> L) as Plant Growth Promoting Rhizobacteria. (Post-Doctoral Research Grant-2021)	
	Amount of financing	IDR 27.500.000	
Important publications over the last 5 years	Selected recent publications from a total of approx.		
	(Give total number)	7	
	Title	Cheap Cellulase Production by <i>Aspergillus</i> sp VT M1 Through Solid State Fermentation of Coffee Pulp Waste. Reni Rusdianti, A Azizah, Esti Utarti, Hidayat Teguh Wiyono, Kahar Muzakhar. Trans Tech Publication Ltd. Symposium of Materials Science and Chemistry III. Key Engineering Materials. 2021. Vol:884:159-164. ISSN: 1622-9795	
	Title	Growth of <i>Lactobacillus casei</i> FNCC0900 in Media Based Umbi Porang Plant ( <i>Amorphophallus muelleri</i> BI) Fitri Azhari, Rudju Winarsa, Siswanto, Kahar Muzakhar, Esti Utarti, Sutoyo, Sattya Arimurti Electronic Scientific Publications. Universitas Jember Berkala Sainstek, 28 Juli 2021. Vol 9 No:2, hal:86-94	
	Title	Isolation of Phosphate Solvent Actinomycetes on Tobacco Roots ( <i>Nicotiana tabacum</i> L.) from Jember Esti Utarti, Sanayah Fatkhul Alim, Dwi Setyati, Sutoyo Magister Biologi Universitas Udayana. <i>Metamorfosa: Journal of Biological Sciences</i> , 27 September 2021. Vol: 8, No2, pp: 260-267. eISSN: 2655-8122	
Title	Preliminary Investigation of Cellulase Producer Candidate Isolate VT11 Using Coffee Pulp-Waste Under Solid-State Fermentation.		

		Trans Tech Publication Ltd. Symposium of Materials Science and Chemistry III. Key Engineering Materials. 2021. Vol:884:234-240.ISSN: 1622-9795
	Title	Identification of Indigenous Cellulolytic and Xylanolytic Actinomycetes Esti Utarti, Antonius Suwanto, Maggy T Suhartono, Anja Meyandini Electronic Scientific Publications. Universitas Jember Berkala Sainstek, 29 Februari 2020. Vol 8 No:1,hal:1-5



Name	Dr Asmoro Lelono, M.Si		
Position	Lecturer at Biology Department University of Jember		
Academic Career (Education Background)	Initial Academic Appointment	Institution	Year
	Bachelor of Education Biology	IKIP Bandung	1991
	Magister Sains	ITB Bandung	1996
	Doktor	Groningen University	2019
Employment	Position	Head of Laboratory	Period
	Lecturer at Biology Department, Jember University	Zoology Laboratory, Biology Department	1998-now
Research and development projects over the last 5 years	Name of project or research focus	KeRis “Zoological Integrated Research Group”	
	Amount of financing	27.000.000 IDR	
Foreign collaborations over the last 5 years	<b>Year</b>	<b>Title</b>	
	2019-2023	Hosting agreement as visiting researcher at GELIFES Institute, Groningen University, The Nederland	
Important publications over the last 5 years	Selected recent publications from a total of approx.		
	year	Title	
	2021	Prevalence of Phenylthiocarbamide (PTC) Taste Sensitivity and Colour Blindness in Tengger Tribe Population, Ranupani Village, Senduro, Lumajang, R Oktarianti, IW Putra, RM Arofa, A Lelono BERKALA SAINSTEK 9 (4), 174-178	
	2021	Diuretics effect of salak (Salacca Zalacca) seed extract to kidney histopathological structure of the wistar male rats (Rattus norvegicus) R Oktarianti, NA Septiana, A Lelono BIOEDUKASI: Jurnal Biologi dan Pembelajarannya 19 (2), 90-95	
	2019	Does paternal immunocompetence affect offspring vulnerability to maternal androgens? A study in domestic chickens A Lelono, DA Robledo-Ruiz, TVL Berghof, HK Parmentier, B Riedstra. Biology open 8 (11), bio045096	
2019	Inter-specific variation of maternal thyroid hormones associate with migration, mode of development, and captivity: a phylogenetic comparative analysis BY Hsu, VM Pakanen, W Boner, T Eeva, B Doligez, TGG Groothuis bioRxiv, 775981		

	2019	The relationship between male social status, ejaculate and circulating testosterone concentration and female yolk androgen transfer in red junglefowl ( <i>Gallus gallus</i> ) A Lelono, B Riedstra, TGG Groothuis Hormones and behavior 116, 104580
	2019	Ejaculate testosterone levels affect maternal investment in red junglefowl ( <i>Gallus gallus gallus</i> ) A Lelono, B Riedstra, T Groothuis Scientific reports 9 (1), 1-10



Name	Dr. Sattya Arimurti, SP.,M.Si		
Position	Lecturer at Biology Department University of Jember		
Academic Career	Initial Academic Appointment	Institution	Year
	Bachelor of Soil Science	Bogor Agricultural University	1992-1997
	Master of Biology	Bogor Agricultural University	1997-2000
	Doctor of Biology	Brawijaya University	2013-2017
Employment	Position		Period
	Lecturer at Biology Department	Biology Department, Faculty of Mathematics and Natural Sciences, University of Jember	1999-now
Research and development projects over the last 5 years	Name of project or research focus	Screening of caffeine-degrading bacteria from fermented coffee fruit as a decaffeinated agent (IDB-2018)	
	Amount of financing	Rp.60.000.000,-	
	Name of project or research focus	Proteomic analysis of caffeine-degrading bacteria (DRPM-2019)	
	Amount of financing	Rp.94.800.000,-	
Important publications over the last 5 years	Selected recent publications from a total of approx.		
	Title	Detection of Fibrinolytic Activity of WU 021055* Bacterial Isolate from Papuma Beach Coastal Jember Using Zymography. Evi Umayah Ulfa, Esti Utarti, Izzay Afkarina, Sattya Arimurti, and Kartika Senjarini. Global Medical and Health Communication. August 2017. Vol 5. No 2. pp: 97-102.	
	Title	Screening and identification of indigenous cellulolytic bacteria from Indonesian coffee pulp and investigation of its caffeine tolerance ability. Sattya Arimurti, Yulia Nurani, Tri Adyanti and Suharjo. Malaysian Journal of Microbiology. June 2017. Vol 13. No 2. pp:109-116.	
	Title	Degradation of caffeine by <i>Pseudomonas monteilii</i> KRM9. Sattya Arimurti, Yulia Nurani, Tri Adyanti, Tri Agus Siswoyo dan Suharjo. Malaysian Journal of Microbiology. March 2018. Vol 14. No 1. pp:55-60.	
	Title	Characterization and Identification of Caffeine-degrading Bacteria KAJ36 as an Agent of Decaffeinase Coffee. Sattya Arimurti, Reza Billa Afifuddin, Siswanto, and Kahar Muzakhar-Pelita Perkebunan. August 2020. Vol 36. No 2. pp:173-179.	



	Title	The Impacts of Traditional Fermentation Method on the Chemical Characteristics of Arabica Coffee Beans from Bondowoso District, East Java. Ika Oktavianawati, Sattya Arimurti, and Suharjono. August 2020. J. Pure App. Chem. Res, Vol 9. No 2. pp: 133-141.
	Title	Isolation and screening caffeine-degrading bacteria. The 11th International Conference on Global Resource Conservation IOP Conf. Series: Earth and Environmental Science 743 (2021)
	Title	Antibacterial Activity of Liverworts of <i>Dumortiera hirsute</i> (Sw.) Nees Ethyl Acetate Extract Against Pathogenic Bacteria. Berkala Sainstek. July 2021. Vol 9. No 2. pp: 75-80.



Name	Dr. rer. Kartika Senjarini, S.Si., M.Si.		
Position	Lecturer at Biology Department University of Jember		
Academic Career	Initial Academic Appointment	Institution	Year
	Bachelor of Biology	Brawijaya University	1997
	Master	Institute of Technology Bandung	2001
	Doctor	University of Rostock	2007
Employment	Position	Coordinator of Centre for Excellence Research – Institute for Research & Society Engagement – University of Jember	2017-present
	Lecturer at Biology Department	Biology Department, Faculty of Mathematics and Natural Sciences, University of Jember	2000-now
Research and development projects over the last 5 years	Name of project or research focus	Molecular Epidemiology of Dengue Hemorrhagic Fever: Competency Analysis of DHF Mosquito Vector Based on DNA Barcoding Internal Transcribe Spacer II (ITS2) & Cytochrome C Oxidase Sub Unit 1 (COX1) (Hibah Percepatan Guru Besar 2021)	
	Amount of financing	IDR 78.250.000	
	Name of project or research focus	Specificity and Universality of The New Primary Its2 (Internal Transcribed Spacer 2) for Malaria Vector <i>Anopheles sp.</i> Molecular Based Characterization (Hibah Penelitian Pendukung IDB 2021)	
	Amount of financing	IDR 80.000.000	
	Name of project or research focus	Golbal Centre for PAN ASEAN Coalition for Epidemic and OUtbreak Preparedness (PACE-UP) (Multilateral Colaboration - German Academic Exchange Service, DAAD 2021 – 2024)	
	Amount of financing	2.800.000 €	
Important publications over the last 5 years	Selected recent publications from a total of approx.		
	(Give total number)	7	
	Title	Redesigning Primer of ITS2 (Internal Transcribed Spacer 2) for Specific Molecular Characterization of Malaria Vectors <i>Anopheles</i> Species Kartika Senjarini, Muhammad Khalid Abdullah, Nuril Azizah, Miatin Alvin Septianasari, Ahmad Tosin, Rike Oktarianti, Syubbanul Wathon, Tri Yudani Mardining Raras (2021) MEDARCH:2021; 75-6: 418-423	
	Title	ITS2 Based Molecular Characterization of sub-species complex of <i>Anopheles vagus vagus</i> and <i>Anopheles vagus limosus</i> Kartika Senjarini, Lailly Nur Uswatul Hasanah, Miatin Alvin Septianasari, Muhammad Khalid Abdullah, Rike Oktarianti, Syubbanul Wathon (2021) Jurnal Bioteknologi & Biosains Indonesia (JBBI) 8 (2), 174–184-174–184	
	Title	Detection of immunogenic protein from salivary gland of <i>Aedes albopictus</i> R Oktarianti, RN Khasanah, S Wathon, K Senjarini (2021) Universa Medicina 40 (3), 234-242	
Title	In vitro analysis of human immune response (IgG) against salivary gland extract of dengue vector from dengue hemorrhagic fever (DHF) endemic area in Jember, Indonesia		

		R Oktarianti, DR Damara, SUR Qudsiyah, S Wathon, K Senjarini (2021) IOP Conference Series: Earth and Environmental Science 913 (1), 012090	
	Title	Species shifting composition of the Anopheles vector in Wongsorejo district-Banyuwangi, Indonesia K Senjarini, R Setiawan, S Wathon, R Oktarianti (2021) IOP Conference Series: Earth and Environmental Science 913 (1), 012095	
<b>Activities in specialist bodies over the last 5 years</b>	<b>Organization</b>	<b>Role</b>	<b>Period</b>
	University of Jember	DAAD Project Coordinator for University of Jember	2019 - 2024



Name	Dr.rer.nat. Fuad Bahrul Ulum, S.Si, M.Sc		
Position	Lecturer at Biology Department University of Jember		
Academic Career	Initial Academic Appointment	Institution	Year
	Bachelor of Biology	Jember University	2003-2007
	Master of Tropical and International Forestry	Göttingen University, Germany	2012-2014
	Doctor of Biology	Göttingen University, Germany	2017-2021
Employment	Position	Employer	Period
	Lecturer of Biology	Biology Department, Faculty of Mathematics and Natural Sciences, University of Jember	2010-now
Research and development projects over the last 5 years	Name of project or research focus	Mutation and recombination rate of tetraploid <i>R. auricomus</i> under photoperiod stress	
	Amount of financing	IDR 95.000.000	
<b>Industry collaborations over the last 5 years</b>	<b>Titles</b>	<b>Year</b>	
	-		
Patents and proprietary rights	-		
Important publications over the last 5 years	Selected recent publications from a total of approx.		
	(Give total number)	4	
	Title	Ulum, F. B., Hadacek, F., & Hörandl, E. (2021). Polyploidy Improves Photosynthesis Regulation within the <i>Ranunculus auricomus</i> Complex (Ranunculaceae). <i>Biology</i> , 10(8), 811.	
	Title	Ulum, F. B., Costa Castro, C., & Hörandl, E. (2020). Ploidy-dependent effects of light stress on the mode of reproduction in the <i>Ranunculus auricomus</i> complex (Ranunculaceae). <i>Frontiers in plant science</i> , 11, 104.	
Title	Hodač, L., Ulum, F. B., Opfermann, N., Breidenbach, N., Hojsgaard, D., Tjitrosoedirdjo, S. S., ... & Hörandl, E. (2016). Population Genetic Structure and Reproductive Strategy of the Introduced Grass <i>Centotheca lappacea</i> in Tropical Land-Use Systems in Sumatra. <i>PLoS one</i> , 11(1), e0147633.		

	Title	Ulum, F. B., & Setyati, D. (2017). Pteridophytes of Alas Purwo National Park and Their Medicinal Potency. <i>UNEJ e-Proceeding</i> , 80-82.	
Activities in specialist bodies over the last 5 years	<b>Organization</b>	<b>Role</b>	<b>Period</b>
	Indonesian Student Association in Goettingen, Germany	President	2017-2018



Name	Rendy Setiawan, S.Si.,M.Si.		
Position	Lecturer at Biology Department University of Jember		
Academic Career	Initial Academic Appointment	Institution	Year
	Bachelor of Biology	Universitas Jember	2006-2010
	Master of Animal Bioscience	IPB University	2011-2013
Employment	Position	Employer	Period
	Lecturer at Biology Department	Biology Department, Faculty of Mathematics and Natural Sciences, University of Jember	2014-now
Research and development projects over the last 5 years	Name of project or research focus	Assessment of the Biodiversity Status of Coastal Areas at Sembulungan Resort, Alas Purwo National Park as a Basis for Determining Sustainable Conservation Models	
	Amount of financing	IDR 23.000.000	
	Name of project or research focus	Master Plan of Ijen Geopark	
	Amount of financing	IDR 250.000.000	
	Name of project or research focus	Ecological Valuation of Mangrove Forest in Kucur Resort at Alas Purwo National Park	
	Amount of financing	IDR. 23.500.000	
	Name of project or research focus	The Influence of Riparian Quality on the Quality of Water Biological in Bedadung River, Jember Regency, East Java	
	Amount of financing	IDR 30.000.000	
	Name of project or research focus	Identification of fungi associated with the coffee berry borer <i>Hypotenemus hampei</i> (Coleoptera: Curculionidae): Exploration of caffeine-degrading agents in coffee beans	
	Amount of financing	IDR 30.000.000	
	Name of project or research focus	Biodiversity and Ecosystem Structure in Bandalit Resort at Meru Betiri national Park	
	Amount of financing	IDR 30.000.000	
	Name of project or research focus	Management of the Rehabilitation Zone at Meru Betiri National Park Through the Development of a Plot Demonstration Design with Priority for Plant Types That Have a Land Cover Function	
	Amount of financing	IDR 1.996.055.637	
Important	Selected recent publications from a total of approx.		
	(Give total number)	8	

publications over the last 5 years	Title	Setiawan, R. Wimbaningrum, R., Siddiq, AM., Saputra, IS. 2021. Species Diversity and Habitat Characteristics of Giant Clam (Cardidae: Tridacninae) In Ecosystems Intertidal Bilik Cape Baluran National Park. <i>Jurnal Kelautan</i> 14(3)
	Title	Setiawan, R. Siddiq, AM. Wimbaningrum, R. Sulistyowati, H. Aditya, MY. 2021. Diversity of Gastropods at Jati Papak Mangrove Forest, Kucur Resort, Alas Purwo National Park. <i>Bioeduscience</i> 5(3)



Name	Mukhamad Su'udi		
Position	Lecturer at Biology Department University of Jember		
Academic Career	Initial Academic Appointment	Institution	Year
	Bachelor of Biology	University of Jember	1998 - 2003
	Philosophy of Doctor	Gyeongsang National University	2004 - 2012
Employment	Position	Employer	Period
	Lecturer at Biology Department	Biology Department, Faculty of Mathematics and Natural Sciences, University of Jember	2016 - now
Research and development projects over the last 5 years	Name of project or research focus	Development of Drought Resistant Cassava Varieties using Bioinformatics, Genomics and Genetic Engineering Approaches (2 <sup>nd</sup> Year)	
	Amount of financing	IDR 67.000.000	
	Name of project or research focus	Characterization of DNA barcode from medicinal orchids using molecular marker ITS2	
	Amount of financing	IDR 33.000.000	
	Name of project or research focus	Development of Drought Resistant Cassava Varieties using Bioinformatics, Genomics and Genetic Engineering Approaches (1 <sup>st</sup> Year)	
	Amount of financing	IDR 47.000.000	
	Name of project or research focus	Optimization of genomic DNA isolation, PCR conditions, and evaluation of DNA barcodes for orchids	
Important publications over the last 5 years	Selected recent publications from a total of approx.		
	(Give total number)	16	
	Title	Hasanah LM, Puspito AN, Arimurti S, <u>Su'udi M.</u> 2021. Identification of WIN1 (Wax Inducer1) on Cassava ( <i>Manihot esculenta</i> Crantz.). <i>Al-Hayat: Journal of Biology and Applied Biology</i> 4 (2).	
	Title	Rohimah S, Ratnasari T, <u>Su'udi M.</u> 2021. DNA barcoding of <i>Thrixspermum longipilosum</i> based on Internal Transcribed Spacer 2 (ITS2) region. <i>IOP Conference Series: Earth and Environmental Science</i> 743 (1), 012092.	
	Title	Maulidya NN, Rohimah S, Ramadany Z, Ratnasari T, <u>Su'udi M.</u> 2020. Assessment of the DNA Barcodes Characteristic of <i>Phalaenopsis deliciosa</i> based on matK, rbcL, and ITS. <i>Biogenesis: Jurnal Ilmiah Biologi</i> 8 (2), 138-144.	
	Title	Rohimah S, Ratnasari T, <u>Su'udi M.</u> 2020. Characteristics of DNA Barcodes from Three <i>Thrixspermum</i> Orchids Based on	



		ITS2 Regions. Biosaintifika: Journal of Biology & Biology Education 12 (3), 446-452.
	Title	Saputri VY, Sholichah RN, Solichah L, Najah MA, <u>Su'udi M.</u> 2020. Assimilate Translocation in Shootless Orchid. Jurnal Penelitian Sains 22 (1), 1-8.
	Title	Azizah N, Khoirunnisa GA, Nuzulia N, Muhammad RS, <u>Su'udi M.</u> 2020. The Mico-Heterotroph Mechanism of Monotropic Plants. JRST (Jurnal Riset Sains dan Teknologi) 3 (2), 49-53.



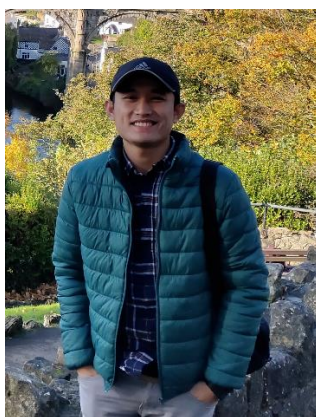
Name	Syubbanul Wathon, S.Si., M.Si.		
Position	Lecturer at Biology Department University of Jember		
Academic Career	Initial Academic Appointment	Institution	Year
	Bachelor of Biology	University of Jember	2008 – 2013
	Master of Biotechnology	IPB University	2013 - 2015
Employment	Position	Employer	Period
	Lecturer at Biology Department	Biology Department, Faculty of Mathematics and Natural Sciences, University of Jember	2016 - now
Research and development projects over the last 5 years	Name of project or research focus	Quantification of Human IgG Toward the 31 and 67 kDa Immunogenic Protein from <i>Aedes albopictus</i> Salivary Gland	
	Amount of financing	IDR 33.250.000	
	Name of project or research focus	Proteomic Analysis of Immunogenic Protein from Salivary Gland of <i>Aedes albopictus</i> as Dengue Vector Potential	
	Amount of financing	IDR 55.000.000	
	Name of project or research focus	Characterization of Malaria Vector Based on Molecular Marker: Internal Transcribed Spacer 2 (ITS2) as Basic Identification of Sub Species <i>Anopheles vagus-vagus</i> and <i>Anopheles vagus limosus</i>	
	Amount of financing	IDR 45.000.000	
	Name of project or research focus	Primer design for DNA amplification of Internal Transcribed Spacer 2 (ITS 2) as Universal Molecular Marker for Malaria Vector Identification	
	Amount of financing	IDR 20.000.000	
	Name of project or research focus	In Vitro Analysis of Human Immune Response Against Salivary Gland Crude Extract of Dengue Vector in Jember District Area	
	Amount of financing	IDR 30.000.000	
	Name of project or research focus	Characterization of Malaria Vector Based on Molecular Marker: Internal Transcribed Spacer 2 (ITS 2) as a Basic Identification of <i>Anopheles vagus-vagus</i> and <i>Anopheles vagus limosus</i> Sub Species	
	Amount of financing	IDR 50.000.000	

	Name of project or research focus	The Apyrase Activity of 67 kDa Immunogenic Protein from Salivary Gland of <i>Aedes albopictus</i>
	Amount of financing	IDR 45.000.000
	Name of project or research focus	Redesign Primer of Internal Transcribed Spacer 2 for Specific Molecular Characterization of Malaria Vector <i>Anopheles</i> sp.
	Amount of financing	IDR 80.000.000
	Name of project or research focus	Detection of Immunogenic Protein from Salivary Gland of <i>Aedes albopictus</i>
	Amount of financing	IDR 75.000.000
	Name of project or research focus	Mitochondrial DNA Cytochrome Oxidase 1 (COX1) as Molecular Marker for Malaria Vector Identification
	Amount of financing	IDR 80.000.000
	Name of project or research focus	The Apyrase Fungtional Properties of 56 kDa Immunogenic Protein from Salivary Gland of <i>Aedes aegypti</i>
	Amount of financing	IDR 80.000.000
	Name of project or research focus	The Immunogenecity of Salivary Gland Protein Extract from <i>Aedes albopictus</i>
	Amount of financing	30.000.000
Patents and proprietary rights	2021	<i>Anopheles subpictus</i> Isolate Sbbs1 5.8S Ribosomal RNA Gene (Internal Transcribed Spacer 2, ITS2) Dan 28S Ribosomal RNA
	2021	<i>Anopheles sundaicus</i> Isolate Snbs1 5.8S Ribosomal RNA Gene (internal Transcribed Spacer 2, ITS2) Dan 28S Ribosomal RNA
	2020	<i>Anopheles vagus limosus</i> Isolate Lmbs1 5.8S Ribosomal RNA Gene (internal Transcribed Spacer 2, ITS2)
	2020	<i>Anopheles vagus vagus</i> Isolate Vgbs1 5.8S Ribosomal RNA Gene (Internal Transcribed Spacer 2, ITS2)
Important publications over the last 5 years	Selected recent publications from a total of approx.	
	(Give total number)	Title
	2021	Detection of immunogenic protein from salivary gland of <i>Aedes albopictus</i>
	2021	In vitro analysis of human immune response (IgG) against salivary gland extract of dengue vector from dengue hemorrhagic fever (DHF) endemic area in Jember, Indonesia
	2021	Species shifting composition of the Anopheles vector in Wongsorejo district - Banyuwangi, Indonesia
	2021	Purification of 31 and 56 Kda Immunogenic Proteins from the Salivary Glands of <i>Aedes albopictus</i>
	2020	Platelet Aggregation In Vitro Analysis Oo 67 Kda Immunogenic Protein Fraction From <i>Aedes albopictus</i> Salivary Gland (Skuse) (Diptera: Culicidae)
	2020	Morphological Characteristic Difference Between Mosquitoes Vector for Malaria and Dengue Fever
	2020	Purification of 31 and 56 Kda Immunogenic Proteins from the Salivary Glands of <i>Aedes aegypti</i>
	2020	Identification of Biotechnology Urgency in the Environmental Knowledge Course
	2019	The Inovation of Eco-Friendly Aquaculture System in Enhancing <i>Clarias gariepinus</i> Growth Performance

	2019	Application of Rtgill-W1 Gill Cell Culture for Toxicity Detection of Polluted Water	
<b>Activities in specialist bodies over the last 5 years</b>	<b>Organization</b>	<b>Role</b>	<b>Period</b>
	Indonesian Medical Biology Association	Member	2021 - Current



Name	Husnatun Nihayah, S.Si., M.Biomed.		
Position	Lecturer at Biology Department University of Jember		
Academic Career	Initial Academic Appointment	Institution	Year
	Bachelor of Biology	Yogyakarta State University	2011
	Magister	Universitas Gadjah Mada	2016
Employment	Position	Lecturer	Period
	Lecturer oat Biology Department	Biology Department, Faculty of Mathematics and Natural Sciences, University of Jember	2020-now
Research and development projects over the last 5 years	Name of project or research focus	Insect Pest Inventarization from Pomegranate ( <i>Punica granatum</i> ) in Labuhan Merak, Baluran National Park (Keris 2021)	
	Amount of financing	23.000.000	
	Name of project or research focus	Quail Embryo Development Studies ( <i>Cortunix japonica</i> ): Based on Heart Rate Analysis As Non-Destructive Method on Layer Poultry Strains Productive. (Keris 2020)	
	Amount of financing	26.000.000	
Industry collaborations over the last 5 years	<b>Titles</b>	<b>Year</b>	
Patents and proprietary rights			
Important publications over the last 5 years	Selected recent publications from a total of approx.		
	(Give total number)	1	
	Title	Monooxygenase Enzyme Activity on <i>Culex quinquefasciatus</i> Larvae in Brebes . District. Berkala Sainstek, 2020, VIII (3): 80 -83	
Activities in specialist bodies over the last 5 years	<b>Organization</b>	<b>Role</b>	<b>Period</b>



Name	Arif Mohammad Siddiq, S.Si., M.Si.		
Position	Lecturer at Biology Department University of Jember		
Academic Career	Initial Academic Appointment	Institution	Year
	Bachelor of Biology	Universitas Jember	2009-2014
	Master of Animal Bioscience	IPB University	2014-2016
Employment	Position	Employer	Period
	Lecturer of Biology Department	Biology Department, Faculty of Mathematics and Natural Sciences, University of Jember	2018-now
	Name of project or research focus	Master Plan of Ijen Geopark	
	Amount of financing	IDR 250.000.000	
	Name of project or research focus	Ecological Valuation of geological, biological, and cultural sites in the Ijen Geopark area, Banyuwangi Region	
	Amount of financing	IDR 100.000.000	
	Name of project or research focus	The Influence of Riparian Quality on the Quality of Water Biological in Bedadung River, Jember Regency, East Java	
	Amount of financing	IDR 174.000.000	
	Name of project or research focus	Management of the Rehabilitation Zone at Meru Betiri National Park Through the Development of a Plot Demonstration Design with Priority for Plant Types That Have a Land Cover Function	
Amount of financing	IDR 1.996.055.637		
<b>Industry collaborations over the last 5 years</b>	<b>Titles</b>	<b>Year</b>	
Patents and proprietary rights	Carbon Footprint Report: Certificate: EC00202123561	2021	
Important publications over the last 5 years	Selected recent publications from a total of approx.		
	(Give total number)	6	
	Title	DW Rizkiah, H Sulistiyowati, <b>AM Siddiq</b> . 2021. Distribution Pattern of the Exotic Plant <i>Chromolaena odorata</i> in Rehabilitation Zone at Donglo Block, Resort of Wonoasri, Meru Betiri National Park. <i>Jurnal Riset Biologi dan Aplikasinya</i> 3 (1), 1-6.	
	Title	YDA Liana, H Sulistiyowati, <b>AM Siddiq</b> . 2021. Distribution Pattern of the Exotic Plant ( <i>Synedrella nodiflora</i> (L)	

		Gaetern) in the Rehabilitation Zone, Resort of Wonoasri, Meru Betiri National Park. <i>Biolink</i> 8 (1), 63-71	
	Title	R Setiawan, R Wimbaningrum, <b>AM Siddiq</b> , IS Saputra. 2021. The Species Diversity and Habitat Characteristics of Giant Clams (Cardiidae: Tridacninae) in Intertidal Ecosystem at Tanjung Bilik, Baluran National Park. <i>Jurnal Kelautan: Indonesian Journal of Marine Science and Technology</i> 14 (3), 254-262	
Activities in specialist bodies over the last 5 years	<b>Organization</b>	<b>Role</b>	<b>Period</b>