Profil Dosen Program Studi S1 Biologi
Jurusan Biologi FMIPA Universitas Mulawarman
Tahun 2023



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Riwayat Pendidikan				
No	Jenjang	Perguruan Tinggi	Jurusan/Program Studi	Tahun Lulus
1.	S1	Universitas Sumatera Utara	Biologi	1996
2.	S2	Institut Pertanian Bogor	Biologi	2002
3.	S3	Universitas Mulawarman	Ilmu Kehutanan	2018

Bidang Penelitian/Hibah Penelitian (Tahun 2020, 2021, 2022, 2023)			
No	Tema Penelitian	Judul Penelitian	Tahun
1.	Obat Bahan Alam	Eksplorasi Metabolit Sekunder Buah Merkubung (*Macaranga gigantea* (Rchb.F. & Zoll) Müll.Arg) Yang Berpotensi Sebagai Sumber Bahan Obat Alami	2023
2.	Kesehatan	Anti-Angiogenik Nanopartikel Daun Tabat Barito (*Ficus deltoidea* Jack) Pada Membran Korio Alantois Embrio Ayam Diinduksi Basic Fibroblast Growth Factor (Bfgf)	2023
3	Pangan	Pilot Proyek Budidaya Maggot Di Pt. Berkah Salama Jaya, Sentra Penggemukan Sapi, Loa Janan, Kutai Kartanegara, Kalimantan Timur	2022
4	Kesehatan	Uji Potensi Ekstrak Daun Tanikkara (*Dillenia excelsa* (Jack) Martelli Ex Gilg) Sebagai Antibakteri Dan Antioksidan Alami	2022
5	Kesehatan	Anti-Angiogenik Nanopartikel Daun Tabat Barito (*Ficus deltoidea* Jack) Pada Membran Korio Alantois Embrio Ayam Diinduksi Basic Fibroblast Growth Factor (Bfgf)	2022
6	Pangan	Toksisitas Akut Dan Subkronik Ekstrak Etanol Daun Tabat Barito (*Ficus deltoidea* Jack) Dan Efeknya Terhadap Sistem Reproduksi Mencit Jantan (*Mus musculus* L)	2021

7	Kesehatan	Bioaktivitas Antioksidan Dan Bioherbisida Ekstrak Daun Lai (*Durio kutejensis* Hassk. Bec.) Tumbuhan Endemik Kalimantan Serta Analisis GCMS Dan Fitokimianya	2021

Publikasi Ilmiah 5 Tahun Terakhir

No	Judul	Tahun
1	**Hetty Manurung**, Imam Rosadi, Dwi Susanto, Muhammad Fauzi Arif, Retno Aryani, Rudy Agung Nugroho. 2023. Antibacterial activity of leaves methanolic extract of Tanikkara (Dillenia excelsa (Jack) Martelli ex Gilg) against Salmonella typhi, Escherichia coli, Staphylococcus aureus and Bacillus cereus.. International Journal of Bioscience. 23(3): 185-192.	**2023**
2	Rudy Agung Nugroho, Retno Aryani, **Hetty Manurung**, Ari Susandi Sanjaya, Didit Suprihanto, et.al. 2023. Budidaya Maggot Di PT Berkah Salama Jaya, Sentral Penggemukan Sapi, Loa Janan Kutai Kartanegara, Kalimantan Timur. Reswara: Jurnal Pengabdian Kepada Masyarakat. Vol 4 No 1 Edisi Januari 2023.	**2023**
3	Febri Ariyanto, Rudy Agung Nugroho, Retno Aryani, **Hetty Manurung**, Rudianto Rudianto. 2023. Effect of water hyacinth leaf f lour (Eichhornia crassipes) fermented by Aspergillus niger in the commercial pellet on the growth, survival rate and blood profile of sangkuriang catfish (*Clarias gariepinus*). Aceh Journal of Animal Science. 8 (2): 53-58. 2023.	**2023**
4	Retno Aryani, Rudy Agung Nugroho, **Hetty Manurung**, Muhammad Hafidz Rulimada, et al. 2023. Anti-angiogenic activity of *Ficus deltoidea* L. Jack silver nanoparticles using chorioallantoic membrane assay. F1000Research, 24 Mei 2023. https://f1000research.com/articles/12-544.	**2023**
5	Rudy Agung Nugroho, Retno Aryani, Esti Handayani Hardi, **Hetty Manurung**, Rudianto, Nadhifa Aurellia Wirawan, Nadya Syalsabillah, Wibowo Nugroho Jati. 2023. Nutritive value, material reduction, biomass conversion rate, and survival of black solider fly larvae reared on palm kernel meal supplemented with fish pellets and fructose. International Journal of Tropical Insect Science, 43: 1243-1254.	**2023**
6	Ratna Kusuma, **Hetty Manurug**, Samsurianto, Lariman, Dwi Susanto. 2023. Pelatihan Budidaya Tanaman dengan Sistem Vertikultur pada Lahan Terbatas Di Jalan Suwandi Kelurahan Gunung Kelua, Samarinda. ABDIKU: Jurnal Pengabdian Masyarakat Universitas Mulawarman, 2(1) : 20-26.	**2023**
7	**Hetty Manurung**, Dwi Susanto, Rika Zulia Hapsari. 2023. Uji Kandungan Metabolit Sekunder dan Aktivitas Antioksidan Ekstrak Etanol Daun Lai (*Durio kutejensis* Hassk. Becc.) dengan Metode DPPH (2,2-diphenyl-1-picrylhydrazyl). Edubiologia: Biological Science and Education Journal Vol 2 No 2, July 2023.	**2023**
8	Retno Aryani, Rudy Agung Nugroho, Windi Rosiana Dewi, Yanti Puspita Sari, **Hetty Manurung**, Rudianto. 2023. Pertumbuhan dan Kelangsungan Hidup Ikan Patin (*Pangasius sp*.) Setelah Pemberian Pakan Bersubstitusi Biji Ketapang (*Terminalia catappa* L.). Al-Kauniyah Vol 16 No 2 (2023): 222-232.	**2023**
9	Retno Aryani, Rudy Agung Nugroho, **Hetty Manurung**, Ari Susandi Sanjaya, et. al. 2023. Pengenalan Budidaya Maggot Pada Peternak Sapi Di Desa Sumbersari, Loa Kulu Kutai Kartanegara, Kalimantan Timur. Abditani: Jurnal Pengabdian Masyarakat Vol 6(2) 144-148.	**2023**
10	Rudy Agung Nugroho, Retno Aryani, Esti Handayani Hardi, **Hetty Manurung**. Rudianto. 2023. Nutritional Benefits of Black Soldier Fly Larvae Oil in Animal Feed. Incobest: Proceeding of International Conference on Biology Education, Natural Science, and Technology. Vol 1 No 1 (2023).	**2023**
11	**Hetty Manurung**, Dwi Susanto, Eko Kusumawati, Retno Aryani, Rudy A. Nugroho, Ratna Kusuma, Zulfika Rahmawati, Riska D. Sari. 2022. Phytochemical, GC-MS analysis and antioxidant activities ofleaf methanolic extract of Lai (*Durio kutejensis*),the endemic plant of	**2022**

	Kalimantan, Indonesia. Biodiversitas Journal of Biological Diversity. https://smujo.id/biodiv/article/view/12129/6249 .	
12	Lisdiani, Dwi Susanto, **Hetty Manurung**. 2022. Phytochemical screening and antioxidant activity of methanol extract of *Dillenia excelsa* leaf. Biodiversitas,23(7) July 2022.	**2022**
13	Rudy Agung Nugroho, Retno Aryani, **Hetty Manurung**, Rudianto. 2022. *Myrmecodia pendens* Bulb Extract in the Lele Dumbo (*Clarias gariepinus*) Feed: Effects on the Growth Performance, Survival, and Blood Indices. Journal of Aquaculture and Fish Health Vol. 11(1) - February 2022. 2022.	**2022**
14	**Hetty Manurung**, Imam Rosadi, Ari Susandy Sanjaya, Wulan Iyhig Ratna Sari, Rudianto, Rudy Agung Nugroho, Retno Aryani, Andy Nurcahyono. 2022. Pelatihan Budidaya Maggot Bagi Klaster Sapi Berkah Usaha Bersama, Desa Teluk Pandan Bontang, Kalimantan Timur. *Maggot Cultivation Training For Berkah Usaha Bersama Cow Cluster, Teluk Pandan Bontang Village, East Kalimantan.* Logista Jurnal Ilmiah Pengabdian kepada Masyarakat. Vol. 6 No. 2 Tahun 2022: 102-107.	**2022**
15	Rudy Nugroho, Retno Aryani, **Hetty Manurung**, Dwi Feby Anindita, Fitria Sari Nur Hidayati, Rudianto Rudianto. 2022. Effects of the Ethanol Extracts of *Ficus deltoidea* leaves on the Reproductive Parameters in Male Mice. Open Access Macedonian Journal of Medical Sciences. 2022 Jan 18; 10(A):146-152.	**2022**
16	Rudy Agung Nugroho, Noor Hindryawati, Retno Aryani, **Hetty Manurung**, Yanti Puspita Sari, et al. 2022. In vivo and in vitro assays using biosynthesized silver nanoparticles on *Aeromonas hydrophila*-infected *Clarias gariepinus*. Journal of Applied Aquaculture. https://doi.org/10.1080/10454438.2022.2130737.	**2022**
17	Rudy Agung Nugroho, Retno Aryani, **Hetty Manurung**, Wulan lyhig Ratna Sari, Ari Susandy Sanjaya, Didit Suprihanto, Rudianto, Widha Prahastika. 2022. Proximate and Fatty Acid Profile Comparison of Black Soldier Fly Larvae Reared on Palm Kernel Meal and Cow Manure. RA Journal Of Applied Research Volume: 08 Issue: 11 November-2022.	**2022**
18	Lani Nurfakhira, Rudy Agung Nugroho, Retno Aryani, Yanti Puspita Sari, **Hetty Manurung**,Rudianto Rudianto. 2022. Growth and Digestive Enzyme Activity of *Clarias gariepinus* Fed Myrmecodia pendens Merr. & Perry Bulb Extract. AIP Conference Proceedings 2668, 020001 (2022); https://doi.org/10.1063/5.0111704.	**2022**
19	Nurlaila Ismah Sardi, Retno Aryani, Rudy Agung Nugroho, Yanti Puspita Sari, **Hetty Manurung**, Rudianto Rudianto. 2022. Effects of ant-nest plant (*Myrmecodia pendens*) bulb extract on histology of intestinal, liver and proximate fillet of Sangkuriang catfish (Clarias gariepinus Var). AIP Conference Proceedings 2668, 020002 (2022); https://doi.org/10.1063/5.0111711.	**2022**
20	Retno Aryani, Rudy Agung Nugroho, **Hetty Manurung**, Nur Ainun Oktavia Pusparini, Widha Prahastika, Rudianto Rudianto. 2022. Subchronic toxicity of *Ficus deltoidea* jack. leaves on the histology of ventriculus and intestinum tenue male mice. AIP Conference Proceedings 2668, 020005 (2022); https://doi.org/10.1063/5.0111944.	**2022**
21	Rudy Agung Nugroho, Noor Hindryawati, Retno Aryani, **Hetty Manurung**, Yanti Puspita Sari, et al. 2021. Biosynthesis of silver nanoparticles from aqueous extract of *Myrmecodia pendans* bulb. AIP Conference Proceedings 2331, 050014 (2021); https://doi.org/10.1063/5.0041654. 2021	**2021**
22	R A Nugroho, A S Nainggolan, L Lariman, R Aryani, **H Manurung**, and W N Djati. 2021. Morphometric Analysis and Proximate Nutrition several Commercial Fish Species from Mesangat wetland, Muara Ancalong, Kutai Timur, East Kalimantan, Indonesia. WEAST 2020. Journal of Physics: Conference Series 1899 (2021) 012004 IOP Publishing.	**2021**
23	Ingga Lies Dastin, Rudy Agung Nugroho, Nova Hariani, Retno Aryani, **Hetty Manurung**, Rudianto. 2021. Prevalence, intensity, and dominance of ectoparasites in the gourami (*Osphronemus goramy* Lacepède, 1801) reared in the floating net cage in Cirata Reservoir, West Java, Indonesia. Aceh Journal of Animal Science (2021) 6 (1): 27-32.	**2021**

24	Eko Kusumawati, Rudy Agung Nugroho, Retno Aryani, **Hetty Manurung**, Yanti Puspita Sari. 2021. Pembekalan Teknik Ekstraksi, Skrining, dan Uji Antimikrobia Bahan Alam Bagi Guru-Guru SMA di Kota Samarinda . JPM (Jurnal Pemberdayaan Masyarakat) , Vol.6 No.1.	**2021**
25	Rudy Agung Nugroho, Retno Aryani, **Hetty Manurung**, Rudianto et al. 2020.Acute and Subchronic Toxicity Study of the Ethanol Extracts from *Ficus deltoidea* Leaves in Male Mice. Open Access Macedonian Journal of Medical Sciences. 15; 8(A):76-83.	**2020**
26	Rahma Suci, Rudy Agung Nugroho, Retno Aryani, **Hetty Manurung**, Rudianto. 2020. Evaluasi diet kolin dan metionin terhadap pertumbuhan dan Efisiensi pakan ikan mas (*Cyprinus carpio*). Indonesian Journal of Fisheries Science and Technology. Vol. 16 No. 2 : 97-103,	**2020**
27	Retno Aryani , Rudy Agung Nugroho, **Hetty Manurung**, Rani Mardayanti, et al. 2020. *Ficus deltoidea* leaves methanol extract promote wound healing activity in mice. EurAsian Journal of BioSciences. 14, 85-91.	**2020**
28	Rudy Agung Nugroho, Normala Sari, Retno Aryani, **Hetty Manurung**, Rudianto Rudianto. 2020. Growth evaluation of *Oreochromis niloticus* fed different concentrations of choline and methionine. Aceh Journal of Animal Science 5 (2): 122-128.	**2020**
29	Rudy Agung Nugroho, Ni Cening Sri Puspa, Retno Aryani, Widha Prahastika, Rudianto, **Hetty Manurung**. 2020. Subchronic Toxicity Test of Indian Almond (*Terminalia catappa*) Leaves Water Extract on The Liver Histology of Mice (*Mus musculus*). BIOEDUSCIENCE, Vol. 4, No. 2, pp. 177-182.	**2020**
30	**Hetty Manurung**, Wawan Kustiawan, Irawan W Kusuma, Marjenah, Rudy Agung Nugroho 2019. Growth, phytochemical profile, and antioxidant activity ofcultivated tabat barito (*Ficus deltoidea* Jack) under drought stress. International Journal of Biosciences, 2019 14(1): 366-378	**2019**
31	**Manurung H**, Aryani R, Nugrogo RA, Sari YP, Chernovita R, Auliana. 2019. Phytochemical Analysis And Antioxidant Activity Of Leaves Extracts Of Endemic Plant Jahe Balikpapan (*Etlingera Balikpapanensis* A.D. Poulsen). *International Journal of Scientific and Technology Research (IJSTR)*. 8(9): 308-313	**2019**
32	**Manurung H**, Kustiawan W, Kusuma IW, Marjenah. 2019. Pengaruh Cekaman Kekeringan terhadap Pertumbuhan dan Kadar Flavonoid Total Tumbuhan Tabat Barito (*Ficus deltoidea* Jack). *J. Hort. Indonesia*.10(1): 55-62.	**2019**
33	R Aryani, **H Manurung**, S Moeljopawiro, L H Nugroho, and P Astuti. The effect of methanol extract of soybean (*Glycine max* L. Merr.) on rat testicular steroid hormones. IOP Conf. Series: Journal of Physics: Conf. Series 1277 012012.	**2019**
34	R A Nugroho, D Utami, R Aryani, F M Nur, Y P Sari and **H Manurung**. 2019. In vivo wound healing activity of ethanolic extract of Terminalia catappa L. leaves in mice (*Mus musculus*). IOP Conf. Series: Journal of Physics: Conf. Series . 1277 (2019) 012031	**2019**
35	Rudy Agung Nugroho, Retno Aryani, **Hetty Manurung**, Dinda Prameswari. 2019. Wound healing potency of *Terminalia catappa* in mice (*Mus musculus*). EurAsian Journal of BioSciences 13, 2337-2342.).	**2019**
36	R A Nugroho, R Aryani, W D C Anggraini, E H Hardi, R Rudianto, E Kusumawati, S Sudrajat, F M Nur, **H. Manurung**. 2019. Dietary *Terminalia catappa* leaves reduced growth performance but increased hematological profiles and survival rate of *Pangasianodon hypophthalmus.* IOP Conf. Series: Earth and Environmental Science 348 (2019) 012033.	**2019**

Jabatan Formal akademik dan Organisasi Profesi (Tahun Sekarang)

1.	Nama Jabatan Akademik	: Kepala Laboratorium Fisiologi dan Perkembangan Tumbuhan
2.	Nama Organisasi Profesi	: Society For Indonesian Biodiversity (Masyarakat Biodiversitas Indonesia)