

Staff Handbook

Please fill out and submit one table per person.

Name	Dr. Tatag Bagus Putra Prakarsa, S.Si., M.Sc.																				
Post	Assistant Professor in Wildlife and Ecology																				
Academic career	<table border="1"> <tr> <td>Lecturer & Researcher</td><td>Dept. of Biology Education, Universitas Negeri Yogyakarta</td><td>2019-now</td></tr> <tr> <td>Doctorate Degree (Wildlife and Ecology)</td><td>Faculty of Biology, Unibversitas Gadjah Mada</td><td>2020-2023</td></tr> <tr> <td>Master Degree (Ecology)</td><td>Faculty of Biology, Universitas Gadjah Mada</td><td>2011-2013</td></tr> <tr> <td>Bachelor degree (Biology)</td><td>Universitas Negeri Yogyakarta</td><td>2006-2010</td></tr> </table>			Lecturer & Researcher	Dept. of Biology Education, Universitas Negeri Yogyakarta	2019-now	Doctorate Degree (Wildlife and Ecology)	Faculty of Biology, Unibversitas Gadjah Mada	2020-2023	Master Degree (Ecology)	Faculty of Biology, Universitas Gadjah Mada	2011-2013	Bachelor degree (Biology)	Universitas Negeri Yogyakarta	2006-2010						
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Research and development projects over the last 5 years	<table border="1"> <tr> <th rowspan="2">Year</th><th rowspan="2">Topic</th><th colspan="2">Funding</th></tr> <tr> <th>Sources</th><th>Amount (IDR)</th></tr> <tr> <td>2020</td><td>Plankton, a Bioindicator of Water Quality in the Bribin-Baron Underground River System as the main water supplier in the Gunung Sewu Karst Area</td><td>Universitas Negeri Yogyakarta</td><td>20.000.000</td></tr> <tr> <td>2021</td><td>Invertebrate and vertebrate diversity Intertidal zone and watu lumbung beach cave</td><td>Universitas Negeri Yogyakarta</td><td>18.000.000</td></tr> <tr> <td>2022</td><td>Status Sistematis Nycteris javanica (Chiroptera: Nycteridae) di Kawasan Karst Gunung Sewu berdasarkan DNA Barcoding (COI sequences)</td><td>Universitas Negeri Yogyakarta</td><td>18.000.000</td></tr> </table>			Year	Topic	Funding		Sources	Amount (IDR)	2020	Plankton, a Bioindicator of Water Quality in the Bribin-Baron Underground River System as the main water supplier in the Gunung Sewu Karst Area	Universitas Negeri Yogyakarta	20.000.000	2021	Invertebrate and vertebrate diversity Intertidal zone and watu lumbung beach cave	Universitas Negeri Yogyakarta	18.000.000	2022	Status Sistematis Nycteris javanica (Chiroptera: Nycteridae) di Kawasan Karst Gunung Sewu berdasarkan DNA Barcoding (COI sequences)	Universitas Negeri Yogyakarta	18.000.000
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	2022	<i>The Bat Cave Vulnerability Index (BCVI) serves as a holistic rapid assessment for determining cave conservation priorities in the Gunung Sewu Geopark area.</i>	<i>Universitas Negeri Yogyakarta</i>	<i>20.000.000</i>
	2022	<i>Microchiroptera bats (insectivorous bats) inhabiting caves as ecological indicators in the management of the Gunung Sewu Karst area.</i>	<i>Universitas Negeri Yogyakarta</i>	<i>15.000.000</i>
	2023	<i>Biodiversity of Exokarst and Endokarst Fauna as the Basis of Conservation Biology in the Gunung Sewu World Heritage Geopark</i>	<i>Universitas Negeri Yogyakarta</i>	<i>18.000.000</i>
	2023	<i>Mapping the Evolutionary Pathway of the Bat Nycteris javanica (Chiroptera: Nycteridae) Based on DNA Barcoding (MtDNA D-Loop Gene)</i>	<i>Universitas Negeri Yogyakarta</i>	<i>50.000.000</i>
	2023	<i>Ecology of insectivorous bats Cave dwellers in the mount sewu karst area: Population dynamics, reproductive status, echolocation, physiological adaptation, and food preferences</i>	<i>Universitas Negeri Yogyakarta</i>	<i>15.000.000</i>
	2024	<i>Biodiversity in the Gunung Sewu Geopark Area as one of the pillars of achieving the Sustainable Development Goals (SDGs)</i>	<i>Universitas Negeri Yogyakarta</i>	<i>24.000.000</i>
	2024	<i>Innovation of AI (Artificial Intelligence) based wildlife monitoring tool "EINSBAT (Ecofriendly Smart Bat population Detector)" in supporting SDGs in Indonesia</i>	<i>Ministry of Higher Education, Science and Technology, Republic of Indonesia</i>	<i>118.910.000</i>
	2025	<i>Innovation in developing an AI-based wildlife monitoring tool EINSBAT V.2 (ECOFRIENDLY SMART BAT POPULATION DETECTOR) as an effort to conserve cave bats in Indonesia.</i>	<i>Universitas Negeri Yogyakarta</i>	<i>24.000.000</i>

	2025	eDNA innovation to track the evolution of bat species in the Sundaland region, as a regional conservation effort in Southeast Asia	Ministry of Higher Education, Science and Technology, Republic of Indonesia	127.200.000
Industry collaborations over the last 5 years	Project title- Partners-			
Patents and proprietary rights	Title		Year	
	Biospeleology: Cave Biodiversity, Potential, and Problems (Book)		2021	
	EINSBAT (Ecofriendly Smart Bat Population Detector)		2024	
Important publications over the last 5 years	1. Prakarsa, T.B.P., Hadisusanto, S., Pudyatmoko, S., and Maryanto, I. (2025) Roosting ecology, reproduction, and population fluctuations of three <i>Hipposideros</i> species (Chiroptera) in Indonesian caves. <i>Mammalia</i>, Vol. 89 (Issue 1), pp. 53-63. https://doi.org/10.1515/mammalia-2023-0050 2. Prakarsa, T.B.P., Hadisusanto, S., Pudyatmoko, S., and Maryanto, I., 2024. Ecological Parameters of <i>Nycteris javanica</i> from Landak Cave in Gunung Sewu Karst Area, Indonesia. Presented in the 5th South East Asian Bat Conference (SEABCO) 2024, in Vietnam. 3. Prakarsa, T.B.P. Nugroho, F.A., Suhandoyo, Sudarsono, Kurniawan, I.D., Putri, R.A., and Rahmawati, Y.F. 2024. Diatery analysis, colony and distribution of <i>Nycteris javanica</i> (javan slit-faced bat) in Jonggrangan Karst Area, Indonesia. <i>AIP Conf. Proc.</i> 2622, 030013 https://doi.org/10.1063/5.0133241 4. Prakarsa, T.B.P. 2024. Ecology Of Insectivorous Bats In Gunung Sewu Karst Region: Population Dynamics, Reproductive Status, Echolocation, Physiological Adaptation, And Prey Preferences. Pd. D. thesis. Faculty of Biology, Universitas Gadjah Mada. 5. Prakarsa, T.B.P., Putri, R.A. and Pertiwi, K.R. 2023. Scoping Review of the Bats and their ecosystem Services in Indonesia. Proceeding The 8th International Conference on Biological Sciences “Leveraging Biodiversity to Support Green Economy and Climate Resilience” (ICBS 2023). BIO Web Conf. Vol: 94. https://doi.org/10.1051/bioconf/20249404005 6. Prakarsa, T.B.P., Hadisusanto, S., Pudyatmoko, S., and Maryanto, I. 2023. Hematological profile of three species of <i>Hipposideros</i> spp. (<i>Hipposideridae</i>) as an adaptation in cave habitat, in gunung sewu geopark area, indonesia. <i>Journal of Animal and Plant Sciences</i>. 33(5). https://doi.org/10.36899/JAPS.2023.5.0708 7. Prakarsa, T. B. P., Putri, R. A., Rahmawati, Y. F. and Dalee, A. D. (2022). Diversity of the Cave-Dwelling Bat (Chiroptera) in the Ngobaran Coastal Area, Karst of Gunung Sewu. <i>Jurnal Biodjati</i>, 7(2), 225–233.			

	8. Prakarsa, T.B.P, Sudarsono, and Suhandoyo. 2021. Cave Bat Diversity in the Karst Area of Nusa Kambangan Island: Study of the Kali Bener and Lempong Pucung Caves. BIOMA : Jurnal Biologi Makassar. 6 (1): 48-56. 9. Prakarsa, T.B.P, I.D. Kurniawan, and S.T.J. Putro. (2021). Biospeleologi Biodiversitas Gua, Potensi, dan Permasalahannya. Bintang Pustaka Madani, Yogyakarta.
Activities in specialist bodies over the last 5 years	<i>Organisation Role Period</i> <i>Membership without a specific role need not be mentioned</i>