

## STAFF HANDBOOK



<b>Name</b>	<b>Dr. Sifak Indana, M.Pd.</b>			
<b>Position</b>	<b><i>Lecturer of Assessment, Evolution, Alternative Assessment, Inovative Learning I and II, Biology for School, General Biology, Learning Theory, IAD, Development of Learning Devices, Development of Students, Learning Model (Matriculation of Postgraduate)</i></b>			
	<b><i>Associate Professor</i></b>			
	<b><i>Degree</i></b>	<b><i>University</i></b>	<b><i>Year</i></b>	
<b>Academic career</b>	Bachelor Program at Department of Biological Education	IKIP Surabaya, Indonesia	1988 - 1992	
	Master Program in Science Education	IKIP Surabaya, Indonesia	1995 - 1998	
	Doctoral Program in Biological Education	Universitas Negeri Malang, Indonesia	2008 - 2013	
<b>Employment</b>	<b><i>Position</i></b>	<b><i>Employer</i></b>		<b><i>Period</i></b>
	Staff Adhock Senat	Universitas Negeri Surabaya - Indonesia		2023-Now
	2rd Vice Dean, Faculty of Mathematics and Natural Sciences	Universitas Negeri Surabaya - Indonesia		2023- Now
<b>Research Development Projects Over The Last 5 Years</b>	<b>Title</b>	<b>Funder</b>	<b>Year</b>	<b>Amount of Financing (million)</b>
	Pemetaan Sumber Pendapatan FMIPA Unesa (Income Generating Mapping of FMIPA Unesa)	Kebijakan Strategis Unesa	2022	100
	Pemberdayaan Guru Sma Pesantren Qomaruddin Gresik Dalam Pengembangan Prestasi Siswa (High School Teacher Empowerment Qomaruddin Gresik Islamic	PKM Kompetitif LPPM 2022	2022	27

	Boarding School In Achievement Development Student)			
	Restrukturisasi Kurikulum Sebagai Upaya Meningkatkan Mutu Akademik di Prodi S2 Pendidikan Sains Pascasarjana Unesa (Curriculum Restructuring as an Effort to Improve Academic Quality in Unesa Postgraduate Science Education S2 Study Program)	Penelitian Kompetitif PASCASAR -JANA	2022	25
	Pengembangan E-LKM Berkas Pjbl untuk Meningkatkan Kreativitas Mahasiswa Mengembangkan Perangkat Pembelajaran Berkas Kurikulum Merdeka (Development of Pjbl-Based E- MFIs to Increase Student Creativity Developing Learning Tools Based on the Independent Curriculum)	Penelitian Kompetitif FMIPA	2022	20
	Pengembangan Bahan Ajar Integrasi Project Based Learning (PjBL) melalui Kajian Pemanfaatan Tumbuhan pada Perkawinan Adat Etnik Madura untuk Melatihkan Literasi Sains  (Development of Project Based Learning (PjBL) Integration Teaching Materials through the Study of Plant Use in Madurese Ethnic Marriage to Train Science Literacy)	Penelitian Kompetitif PASCASAR- JANA	2022	45
	Pelatihan Pembelajaran Dan Penilaian Higher Order Thinking Skills (Hots) Dan Literasi Sains Bagi Guru Ipa Smp Di Kota Mojokerto (Learning Training and Higher Order Thinking Skills (Hots) and Science Literacy Assessment for Junior High School Science Teachers in Mojokerto City)	PKM Penugasan Pasca 2022	2022	15

	Peningkatan Kemampuan Penyusunan Asesmen Kompetensi Minimum Bagi Guru tahun 2021 (Improving the Ability to Prepare Minimum Competency Assessments for Teachers in 2021)	-	2022	-
	Pelatihan Pengembangan Instrumen Asesmen Nasional untuk Meningkatkan Kompetensi Profesional Guru SDN Gisik Cemandi Sidoarjo (Training on the Development of National Assessment Instruments to Improve the Professional Competence of Teachers of SDN Gisik Cemandi Sidoarjo)	Kebijakan Fakultas (FMIPA)	2022	10
	Pengembangan Perangkat Perkuliahan Biologi Berorientasi Strategi Metakognitif Untuk Melatih Strategi Belajar Metakognitif (Development of Biology Lecture Tools Oriented to Metacognitive Strategies to Train Metacognitive Learning Strategies)	-	2018	-
	Pengembangan Panduan Rencana Pembelajaran dalam Kurikulum (Development of Learning Plan Guidelines in the Curriculum)	-	2018	-
<b>Important publications over the last 5 years</b>	Title			Year
	Two Problem Solving Cycles to Achieve Learning Outcomes of Thinking Skills and Plant Anatomy Concept Mastery, Jurnal Pendidikan IPA Indonesia, Volume 7 Issue 3			2018
	Developing Biology-Based Monopoly games as media to Enhance Students Learning Outcome and Social Ability, IOP Conference Series: Materials Science and Engineering, Vol. 296 Issue 1			2018
	Development Of Biology Student Worksheets To Facilitate Science Process Skills Of Student, IOP Conference Series: Materials Science And Engineering, Vol. 296 Issue 1			2018
	Melatihkan Keterampilan Berpikir Kritis Siswa SMA			2018

	<p>Menggunakan Lks Berbasis Proyek Medan Listrik Dc Pada Dormansi Dan Germinasi, Jurnal Penelitian Pendidikan Matematika Dan Sains, Vol. 1 Nomor 2</p> <p>Validity Of Student Worksheet Based Guided Discovery On Ecosystem Material To Train Student Science Literacy For Senior High School Grade 10<sup>th</sup>. VOL 8 NO 3 (2019). Berkala Ilmiah Pendidikan Biologi.</p> <p>Development of Learning Instructional Based On 3R (Reduce, Reuse, &amp; Recycle) to Improve Learning's Outcome on Fourth Grade of Elementary School on Environmental Preservation's Material. Volume 4, Issue 7, International Journal of Innovative Science and Research Technology</p> <p>Validitas dan Keefektifan Lembar Kegiatan Siswa (Lks) Berbasis Contextual Teaching and Learning (CTL) Pada Materi Psicotropika Untuk Melatihkan Kemampuan Literasi Sains Siswa SMA. VOL 9 NO 1 (2020). Berkala Ilmiah Pendidikan Biologi.</p> <p>Validitas LKPD Berbasis PjBL pada Materi Klasifikasi Tumbuhan Spermatophyta untuk Melatih Ketrampilan Berpikir Kreatif Siswa Kelas X SMA. VOL 10 NO 2 (2021). Berkala Ilmiah Pendidikan Biologi.</p> <p>Validitas dan Reliabilitas Tes Elektronik (E-Test) Materi Ekosistem untuk Mengukur Kemampuan Berpikir Kritis Siswa Kelas X SMA. VOL 10 NO 1 (2021). Berkala Ilmiah Pendidikan Biologi.</p> <p>Income Generating Mapping of FMIPA Unesa. DOI:10.1051/shsconf/202214903016. SHS Web of Conferences 149, 03016 (2022)</p> <p>Pelatihan Pembelajaran Dan Penilaian Higher Order Thinking Skills (HOTS) dan Literasi Sains Bagi Guru IPA SMP Volume 1 (2), pp 69 – 77 (2022) Jurnal Pemberdayaan Masyarakat</p> <p>Teacher literacy skills through minimum competency assessment training Volume 3 (2) . pp 93 – 102 (2022) Journal of Community Service and Empowerment</p> <p>Validity of Inquiry-Based Textbooks on Scientific Literacy Skills. IJORER : International Journal of Recent Educational Research, 4(4), 457-468. <a href="https://doi.org/10.46245/ijorer.v4i4.313">https://doi.org/10.46245/ijorer.v4i4.313</a></p> <p>Profile of Student's Critical Thinking Skills and The</p>	<p>2019</p> <p>2019</p> <p>2020</p> <p>2021</p> <p>2021</p> <p>2022</p> <p>2022</p> <p>2023</p> <p>2023</p>
--	---	---

	<p>Effectiveness of Problem-Based Learning Models Assisted by Digital Worksheet in Science Learning on Motion and Force Materials. IJORER : International Journal of Recent Educational Research, 4(4), 481-496. <a href="https://doi.org/10.46245/ijorer.v4i4.291">https://doi.org/10.46245/ijorer.v4i4.291</a></p> <p>Identify Student's Scientific Reasoning Skill in Straight Motion Material. International Journal of Current Educational Research, 2(1), 39-47. <a href="https://doi.org/10.53621/ijocer.v2i1.195">https://doi.org/10.53621/ijocer.v2i1.195</a></p> <p>E-Module Based on Blended Learning Type Flipped Classroom on Climate Change Materials to Train Students' Digital Literacy Ability. International Journal of Current Educational Research, 2(1), 1-16. <a href="https://doi.org/10.53621/ijocer.v2i1.204">https://doi.org/10.53621/ijocer.v2i1.204</a></p>	2023	
		2023	
		2023	
<b>Activities in specialist bodies</b>	<b>Organization Role</b>	<b>Position</b>	<b>Period</b>