STAFF HANDBOOK

Name	**Dr. Wahono Widodo, M.Si.**			
Position	**Lecturer at Science Education, Faculty of Mathematics and Natural Sciences**			
Academic Career	**Degree**	**University**		**Year**
	Bachelor Program in Physics Education	*IKIP Surabaya-Indonesia*		*Graduated 1992*
	Master Program in Physics	*Universitas Gajah Mada -Indonesia*		*Graduated 1999*
	Doctoral Program in Science Education	*Universitas Pendidikan Indonesia-Indonesia*		*Graduated 2011*
Employment	**Position**	**Employer**		**Period**
	Lecture	*Universitas Negeri Surabaya-Indoesia*		*1993- now*
Research and Development Project Over the Last 5 Years	**Title**	**Funder**	**Year**	**Amount of Financing (million)**
	Implementation of the ISOCC learning model for teaching information literacy and microteaching-oriented argumentation skills	*DRTPM*	*2023*	*84*
	Development of H5P-Assisted Activity-Based Learning and Reflection to Strengthen Pancasila Student Profiles for Science Teacher Candidate Students	*DRTPM*	*2023*	*203*
	Portfolio Development of Doctoral Program of Science Education Courses in the Context of International Accreditation	*Penelitian Kebijakan FMIPA*	*2023*	*20*
	Science Learning Based on Socio Scientific Issues (SSI) Assisted by Mobile Multimedia Interactive (MMI) to Improve Students' Science Literacy Skills.	*Penelitian Kebijakan FMIPA*	*2023*	*20*
	Implementation of the ISOCC Learning Model to Develop Micro Learning Skills in Science Teacher Candidate Students	*Penelitian Kebijakan FMIPA*	*2023*	*20*
	Study on the Use of Alternative Conceptions by Prospective	*Penelitian Dasar Percepatan Guru Besar (LPPM)*	*2022*	*50*

	Science Teacher Students When Solving Physics Problems and Efforts to Overcome It			
	Development of Unesa Chancellor's Regulations on Academic Implementing Elements, Awarding Diplomas, Honorary Degrees, and Education Organizers (2021)	*Penelitian PNBP(Penelitian Kebijakan Strategis Univ (PTNBH))*	*2021*	*50*
	Improving Students' Science Literacy With Device-Based Learning Media	*Penelitian PNBP(Penelitian Kebijakan FMIPA)*	*2021*	*40*
	Implementation of Online Learning for Device-Based Interactive Media Development during the Covid 19 pandemic.	*Penelitian Kebijakan FMIPA*	*2020*	*12*
	Development of Online Lectures in the Condition of The Covid-19 Pandemic to Improve The Critical Thinking Ability of Unesa Postgraduate Students (2020)	*Penelitian Penugasan Pascasarjana*	*2020*	*25*
	Development of a Smartphone Integrated Physical Distancing Detector to Reduce the Spread of Covid-19 (2020)		*2020*	
	Strengthening Tolerance Attitudes towards Diversity in Science Teacher Candidates through Lectures in the Field of Study	*Penelitian Terapan Unggulan Perguruan Tinggi Lanjutan*	*2019*	*164,774*
	Development of Interactive Multimedia for Android-Based Natural Science Learning to Improve Elementary School Students' Science Literacy Ability (2019		*2019*	
	Development of Local Wisdom-Based Elementary Natural Science Teaching Materials (members) (2019)		*2019*	
	Development of Blended Learning Teaching Materials in Integrated Science Learning Courses for Prospective Science Teachers (2019)		*2019*	
	lM-SSI-Gawai to Improve Elementary Students' Science Literacy Ability	*Penelitian Kebijakan Pascasarjana*	*2019*	*40*
	Development of Interactive Multimedia for Device-Based Science Learning to Improve Students' Science Literacy Ability		*2019*	
	Strengthening Tolerance Attitudes towards Diversity in Science Teacher Candidates through Lectures in the Field of Study.	*PUPT Tahun I*	*2018*	*164,774*
	Development of Student Worksheets for Subjects Review the Curriculum in Featured Classes		*2018*	

	to Prepare Prospective Science Teachers.			
	Application of Natural Science Learning Discovery-Problem Posing to Improve Elementary School Student KPS (2018)		*2018*	
Community Service Over The Last 5 Years	**Title**	**Funder**	**Year**	**Amount of Financing (million)**
	Training on the preparation of Scientific Writing for High School Science Subject Teachers in the District Magetan	*PNBP Pascasarjana*	*2019*	*15*
	Training on Preparation of LKPD E for Middle School Science Teachers in Lamongan District	*PNBP FMIPA*	*2019*	*7,5*
	Device-Based Learning Media Development Training online (online)	*PKM Kebijakan Pascasarjana*	*2020*	*7*
	Improving the Quality and Production Capacity of Environmentally Friendly Masks for Prevention of the Spread of Covid-19 and Empowering the Family Economy of Unesa Postgraduate Students	*PKM Penugasan Pascasarjana*	*2020*	*20*
	Training on Making Blended Learning Media with a Wakelet-Based Scientific Approach for Science Teachers in Gresik Regency	*PKM Kebijakan FMIPA*	*2021*	*10*
	Training on Learning and Assessment of Higher Order Thinking Skills (HOTS) and Science Literacy for Middle School Science Teachers in Mojokerto City	*PKM Kebijakan Pascasarjana*	*2022*	*15*
	Training on Making Project Based Learning Interactive Powerpoint Media for Science Teachers in Magetan Regency	*PKM Kebijakan FMIPA*	*2022*	*10*
Industry Collaborations Over the Last 5 Years	**Title**	**Partner**		**Year**
	Preparation for PPL PPG Pre-Service 2020 Candidates and Teachers (Core Facilitator), GTK , Kemdikbud.	*Kementerian Pendidikan dan Kebudayaan*		*2020*
	Indonesian Student Competency Assessment (AKSI) Technical Guidance, Directorate of PSMP Kemdikbud.	*Directorate of PSMP Kemdikbud*		*2019*
	Technical Guidance on the Development of Assessment Instruments for Indonesian SATAP Teachers 2019.			*2019*
	Directorate of PSMP Kemdikbud			*2019*
	Development of "Special Region Teacher" Teaching Materials, 2019, Directorate of Teachers and	*Kementerian Pendidikan dan Kebudayaan*		*2019*

	Education Personnel (GTK), Kemdikbud		
	Student Books and Science Teacher Books Class VII Curriculum 2013, Kemdikbud (2017)	*Kementerian Pendidikan dan Kebudayaan*	*2017*
Patents and Property Right	**Title**	**Patent ID**	**Year**
	1. Berpikir Tingkat Tinggi Problem Solving *Patent Holder : Prof. Dr. Muchlas, Prof. Dr. Luthfiyah Nurlaela, M.Pd, Dr. Wahono Widodo, Inzanah* *Inventor : Dr. Wahono Widodo, M.Si.*	*Registration number : C00201604486* *Registration date : 2016*	*2016*
	2. Model Pembelajaran ALLR (Active Based Lesson Learn Reflection) untuk Penguatan Sikap Toleransi dan Keadilan Sosial *Patent Holder : Lembaga Penelitian dan Pengabdian Kepada Masyarakat (LPPM) Universitas Negeri Surabaya (UNESA)* *Inventor : Dr. Wahono Widodo, M.Si.*	*Registration number : EC00201939806* *Registration date : 2019*	*2019*
	3. **SSI Tekanan Zat** *Patent Holder : Lembaga Penelitian dan Pengabdian Kepada Masyarakat (LPPM) Universitas Negeri Surabaya (UNESA) Inventor : Dr. Wahono Widodo, M.Si.*	*Registration number : EC00201941493* *Registration date : 2019*	*2019*
	5. Model Pembelajaran BRADeR *Patent Holder : Lembaga Penelitian dan Pengabdian Kepada Masyarakat (LPPM) Universitas Negeri Surabaya (UNESA) Inventor :Aprido Bernando Simamora, Dr. Wahono Widodo, M.Si, Dr. I Gusti Made Sanjaya, M.Si.*	*Registration number : 000371533* *Registration date : 2022*	*2022*
	Identify Student's Scientific Reasoning Skill in Straight Motion Material. International Journal of Current Educational Research, Vol 2 (1), pp.39-47		*2023*
	The Development of Picture Story Book to Improve the Science Literacy Skills of Grade 4 Elementary School Student. The Development of Picture Story Book to Improve the Science Literacy Skills of Grade 4 Elementary School Student, Vo. 4 (1), pp. 22-34.		*2023*
Important Publications Over the Last 5 Years	*Validity of BRADeR Learning Model Development: An Innovative Learning Model to Improve Science Literacy Skills for Junior High School Students. Journal of Curriculum and Teaching Vol. 11, No. 6, in November 2022.*		*2022*
	Innovative Learning Model: Improving the Students' Scientific Literacy of Junior High School. International Journal of Recent Educational Education, Vol 1 No 3		*2021*

	pp: 271-285 (2021)	
	Critical Thinking Analysis of Rigid Body Equilibrium During the COVID-19 Pandemic. MISEIC 2021	*2021*
	The Effectiveness ff Gadget-Based Interactive Multimedia In Improving Generation Z's Scientific Literacy, Jurnal Pendidikan IPA Indonesia, Vol. 9 (2) (2020)	*2020*
	Guided Discovery Problem-Posing: An Attempt to Improve Science Process Skills in Elementary School. International Journal of Instruction, Vol.13, No.3, July 2020	*2020*
	Development of Cartoon Concept Based Student Worksheet with Structured Inquiry Approach to Train Science Process Skills. International Journal of Educational Research Review, Vol. 4 (4), 2019	*2019*
	Education Program of Pre-Service Professional Teacher: What Do Students and Lecturers Feel About the Program?. **https://doi.org/10.2991/icesshum-19.2019.58**	*2019*
	Advances in Social Science, Education and Humanities Research; 1st International Conference on Education Social Sciences and Humanities (ICESSHum 2019)	*2019*
	Pengembangan lembar kerja mahasiswa (lkm) mata kuliah dasar-dasar ipa berbasis model allr (activity based-lesson learn-reflection) untuk meningkatkan keterampilan proses sains dan pendidikan karakter calon guru IPA. JPPIPA. Vol 3, No 2 (2018)	*2018*
	Process Skill Assessment Instrument: Innovation to measure student's learning result holistically. Journal of Physics Conference Series 947(1):012026 (2018) DOI: 10.1088/1742-6596/947/1/012026	*2018*
	Analysis of expert validation on developing integrated science worksheet to improve problem solving skills of natural science prospective teachers. Journal of Physics: Conf. Series 1006 (2018) 012026. doi :10.1088/1742-6596/1006/1/012026	*2018*
	Revealing Student s Multiple-Misconception on Electric Circuits. Journal of Physics: Conf. Series 1108 (2018) 012088. doi :10.1088/1742-6596/1108/1/012088	*2018*
	Fostering students thinking skill and social attitude through STAD cooperative learning technique. Journal of Physics: Conference Series | vol: 1006 | issue : 1 | 2018-04-25	*2018*

	Organization Role	**Role**	**Period**
Activities in Specialist Bodies Over the Last 5 Years	*Seminar PPII Jatim 2020* *Pengembangan Literasi Sains pada Pandemi Covid-19*		*2020*
	STEACH 2018 *Socio-scientific issues in gadget: interactive multimedia to increase z-generation science literacy* *Surabaya, 2018*		*2018*
	ICST - IJCST *Enhancing Problem Solving Skills of Pre-Service Teachers by Integrating 21st Century Interdisciplinary Theme Into Science Class* *Bali,2018*		*2018*
	IJCST *Revealing Students' Multiple-Misconception on Electric Circuits* *Bali, October 2017*		*2017*
	Konaspi VII *Penanaman Nilai-nilai Pancasila dalam Perkuliahan Non-Pancasila*		*2016*

	(Perkuliahan Bidang IPA): Persepsi Dosen *Jakarta, Oktober 2016*		