

STAFF HANDBOOK



Name	Prof. Dr. Erman, M.Pd.		
Position	Lecturer at Science Education, Universitas Negeri Surabaya (UNESA)		
Academic Career	Bachelor Degree	Chemical Education, IKIP Ujung Pandang	Graduated 1994
	Master Degree	Chemical Education, IKIP Malang	Graduated 1998
	Doctoral Degree	Natural Science Education, UNESA	Graduated 2012
Employment	Lecturer	Universitas Negeri Surabaya	1999 - now
Research and Development Project over the last 5 years	1. Deep learning of superior and non-superior students of the Unesa Science Education study program		
	2. Science communication in various media in Indonesia is viewed from the ability of scientific thinking and language of community		
	3. Increase the potential of superior class students with the pdca (plan-do-check-act) model		
	4. Development of pedagogical guidelines for inquiry-based context-content knowledge in junior high school science learning		
	5. Development of academic abilities of Science Education study program students based on the college entrance selection pathway		
	6. Development of academic abilities of science education study program students based on the college entrance selection pathway		
	7. Formulation of policies to accelerate the completion of the dissertation of the S3 PPS Unesa's Science Education dissertation program to produce quality graduates with a timely study period		
	8. Development of teaching materials for teaching science for junior high school science based on local wisdom as		

	a guide for teachers to improve student scientific literacy	
Industry Collaborations over the last 5 years	1. Teacher trainer officer of East Java, USAID Prioritas 2. Reviewer of Journal of Chemical Education (American Chemical Society Publisher) 3. Reviewer of International Journal of Instruction 4. Reviewer of Instructional Studies (Taylor & Francis Publisher) 5. Reviewer of Jurnal Pendidikan IPA Indonesia	2015 – 2017 2019 2020 2018 2020
Patents and Property right	-	
Important Publications over the last 5 years	1. Addressing macroscopic issues: Helping students form association between biochemistry and sports and aiding their scientific literacy (International Journal of Science and Mathematics Education (IJSME) 18(5), 2020 2. Edmodo-based interactive teaching materials as an alternative media for science learning to improve critical thinking skills of junior high school students (iJIM, 14(9), 2020 3. Science in A Black Box: Can Teachers Address Science from Socio-Scientific Issues? (Journal of Physics) 4. Edmodo-based blended learning model as an alternative of science learning to motivate dan improve junior high school students' scientific thinking skills, IJET, 14(7), 2019 5. Project based laboratory learning as an alternative learning model to improve science process skills and creativity of physic teacher candidate (Journal of Physics) 6. Predicting teachers' familiarity on high order thinking skills through common keywords in science learning: A preliminary study (EAI EBSCO) 7. Project based laboratory learning as an alternative learning model to improve science process skills and creativity of physic teacher candidate (Journal of Physics) 8. The role of student's critical asking question in developing student's critical thinking skills (Journal of Physics) 9. Scientific thinking skills: why junior high school science teachers cannot use discovery and inquiry models in classroom (Atlantis Press)	2020 2020 2019 2019 2019 2019 2019 2018 2018

	10. Factors contributing to students' misconceptions in learning covalent bonds, Journal of Research in Science Teaching/JRST, 54(4), 2017	2017
Activities in specialist bodies over the last 5 years	-	