



Tjipto Prastowo, Ph.D

Position	Lecturer of Physical Oceanography, Earth Physics		
	Associate Professor in Physics Department, The State University of Surabaya, Indonesia		
	Degree/Non-Degree	University	Year
Academic Career	Postdoctoral Program for Academic Recharging (PAR)-C at GFD Laboratory, RSES (non-degree training)	Australian National University (ANU), Canberra, Australia	2009
	Ph.D in Geophysical Fluid Dynamics (GFD) from Research School of Earth Sciences (RSES)	Australian National University (ANU), Canberra, Australia	2008
	Tutor/Demonstrator Workshop for Classroom Teaching and Laboratory Work (non-degree training)	Australian National University (ANU), Canberra, Australia	2007
	Introductory Academic Program (non-degree training)	Australian National University (ANU), Canberra, Australia	2003
	English for Academic Purpose (non-degree training)	IALF Denpasar, Bali (AusAID)	2002
	Master in Physics from Physics Department	Bandung Institute of Technology (ITB), Bandung, Indonesia	2001
	Workshop on Paleomagnetism and Rock Magnetism (non-degree training)	Bandung Institute of Technology (ITB), Bandung, Indonesia	2000
	Pre-Magister Qualification in Physics from Physics Department (non-degree training)	Bandung Institute of Technology (ITB), Bandung, Indonesia	1998
	Pre-Departure English Training Course (PDETC) (non-degree training)	Postgraduate Program, IKIP Malang	1996
Bachelor in Physics from Physics Departement	Sepuluh Nopember Institute of Technology (ITS), Surabaya, Indonesia	1992	
Employment	Any Institution/Organization		
	Position	Employer	Period
	Associate Professor in Physics Department	The State University of Surabaya, Indonesia	2010-now
	Head of Physics Study Program	The State University of Surabaya, Indonesia	2016-2019

	Tutor and Lab Demonstrator on Advanced Physics and Life Physics for First Year Students	Australian National University (ANU), Canberra, Australia	2005-2007
	Tutor and Lab Demonstrator on Physics of Fluid Flow for Third Year Students	Australian National University (ANU), Canberra, Australia	2005-2007
	Tutor and Lab Demonstrator on Ocean Dynamics: Mixing and Ocean Circulation for Second Year Students	UNSW at Australian Defense and Force Academy (ADFA)	2006-2007
	Tutor on Several Courses for Posgraduate Students	Bandung Institute of Technology (ITB), Bandung, Indonesia	1999-2001
	Tutor on Several Courses for Undergraduate Students	Bandung Institute of Technology (ITB), Bandung, Indonesia	1998-2001
Research and Development Project over the Last 5 Years	<p>2019: Development of an alternative method for tsunami early warning system based on magnetic signal assessment and monitoring (IDR 40,000,000, Principal Investigator)</p> <p>2018: Development of a CMT method for earthquake assessment and disaster risk reduction (IDR 50,000,000, Investigator)</p> <p>2016: Development of a method for decision making skill in tsunami early warning for improved performance of the Ina-TEWS. First Year Research (IDR 85,000,000, Investigator)</p> <p>2015: Development of a method for decision making skill in tsunami early warning for improved performance of the Ina-TEWS. Second Year Research (IDR 87,500,000, Investigator)</p>		
Patent and Proprietary Right	Title		Year
Potential Articles over the Last 5 Years	A journey to Earth Science Projects at Physics Department, The State University of Surabaya: progress in recent years. <i>Journal of Physics: Conference Series</i> , IOP, Vol. 1171, 012002. March 2019. https://iopscience.iop.org/article/10.1088/1742-6596/1171/1/012002/pdf		2019
	The nature of tsunami energy decay with epicentral distance in the open ocean for two large trans-Pacific tsunamis. <i>Journal of Physics: Conference Series</i> , IOP, Vol. 1153, 012017. February 2019 (with L. Cholifah). https://iopscience.iop.org/article/10.1088/1742-6596/1153/1/012017/pdf		2019
	Duration magnitude estimate from local magnitude earthquakes in three provinces of Sulawesi. <i>Journal of Physics: Conference Series</i> , IOP, Vol. 1153, 012018. February 2019 (with L. Cholifah, D. A. Puspitasari, B. M. P. Mahanani). https://iopscience.iop.org/article/10.1088/1742-6596/1153/1/012018/pdf		2019

	Analysis of travel time delay for large tsunamis across the Pacific and Indian Oceans. <i>Science of Tsunami Hazards</i> (STH), Vol. 37, No. 4, pp. 195-212 (with L. Cholifah, and Madlazim). http://www.tsunamisociety.org/STHVOL37N4Y2018.pdf	2018
	Source parameter estimates of the 4 November 2016 $m_b = 4.7$ earthquake near Lawu mountain in East Java, Indonesia. <i>Science of Tsunami Hazards</i> (STH), Vol. 37, No. 4, pp. 222-231 (with Madlazim). http://www.tsunamisociety.org/STHVOL37N4Y2018.pdf	2018
	Determination of source parameters of the 2017 Mount Agung volcanic earthquake from moment-tensor inversion method using local broadband seismic waveforms. <i>Journal of Physics: Conference Series</i> , IOP, Vol. 997, 012001. April 2018 (with Madlazim). http://iopscience.iop.org/article/10.1088/1742-6596/997/1/012001/pdf	2018
	Real-time detection and characterization of nuclear explosion using broadband analyses of regional seismic stations. <i>Journal of Physics: Conference Series</i> , IOP, Vol. 953, 012211. February 2018 (with Madlazim). http://iopscience.iop.org/article/10.1088/1742-6596/953/1/012211/pdf	2018
	A simple parameterization for tsunami run-up prediction. <i>Journal of Science and Science Education</i> (JoSSE), Vol. 1, No. 2, pp. 7-13 (with L. Cholifah). http://ejournal.uksw.edu/josse/article/view/1456/801	2017
	A systematic decrease in tsunami amplitude with epicentral distance. The Seventh Basic Science International Conference (BaSIC), Fakultas Sains, Universitas Brawijaya, Malang. <i>Conf. Proc.</i> March 2017 (with L. Cholifah). http://basic.uib.ac.id/files/proceeding/PROCEEDINGS-BASIC-2017-VOL1.pdf	2017
	Travel time difference between estimated and observed values of the 2011 trans-oceanic Tohoku tsunami. The Seventh Basic Science International Conference (BaSIC), Fakultas Sains, Universitas Brawijaya, Malang. <i>Conf. Proc.</i> March 2017 (with L. Cholifah). http://basic.uib.ac.id/files/proceeding/PROCEEDINGS-BASIC-2017-VOL1.pdf	2017
	Evaluation of earthquake parameters used in the Indonesian tsunami early warning system. <i>Earthquake Science</i> , Vol. 29, No. 1, pp. 27-33 (with Madlazim). https://link.springer.com/article/10.1007/s11589-016-0143-6	2016
	Validation of Joko Tingkir software using tsunami importance. <i>Science of Tsunami Hazards</i> (STH), Vol. 34, No. 3, pp. 189-198 (with Madlazim and T. Hardy). http://tsunamisociety.org/STHVOL34N3Y2015.pdf	2015
	Developing accurate decision making skill by a crisis simulation on volcanic eruption. The First International Conference on Science and Science Education (IconSSE). Fakultas Sains dan Matematika, Universitas Kristen Satya Wacana (UKSW), Salatiga. <i>Conf. Proc.</i> August 2015. http://fsm.uksw.edu/ojs/index.php/2015/article/view/64/69	2015

	<p>Estimates of the Earth's liquid outer core velocity using toroidal assumption and the DGRF/IGRF 1999-2000 magnetic models. The First International Conference on Science and Science Education (IconSSE). Fakultas Sains dan Matematika, Universitas Kristen Satya Wacana (UKSW), Salatiga. <i>Conf. Proc.</i> August 2015 (with A. Jannah). http://fsm.uksw.edu/ojs/index.php/2015/article/view/65/70</p>		2015
Activities in Specialist Bodies	Professional Organization	Position	Period
	Physical Society of Indonesia (PSI)	Member	2001- now