



## DAFTAR PUSTAKA

- Aida, I., 1978, Reliability of a Tsunami Source Model Derived from Fault Parameter, *J. Phys. Earth*, 1, 26, 57 – 73.
- Akmam, 2011, Subduksi Lempeng Indo-Australia pada Lempeng Eurasia di Pantai Barat Sumatera Barat, *Jurnal Sainstek*, 1, III, 52 – 59.
- Badan Pusat Statistik, 2018, Jumlah Penduduk Pulau Jawa, *Databoks*, diakses tanggal 12 Februari 2020.  
<https://databoks.katadata.co.id/datapublish/2019/05/14/berapa-jumlah-penduduk-di-pulau-jawa-2019#:~:text=Berdasarkan%20proyeksi%20jumlah%20penduduk%20Indonesia,mencapai%20266%2C91%20juta%20jiwa.>
- Bock, Y., Prawirodirdjo, L., Genrich J. F., Stevens C. W., McCaffrey R., Subarya C., Puntodewo, S. S. O., Calais E., 2003, Crustal Motion in Indonesia from Global Positioning System Measurements, *Journal of Geophysical Research*, 8, 108, 2367 – 2388.
- Boen, T. & Eeri, A. M., 2006, Observed Reconstruction of Houses in Aceh Seven Months after the Great Sumatra Earthquake and Indian Ocean Tsunami of December 2004, *Earthquake Spectra*, 3, 22, 803 – 818.
- Borrero, J. C., 2005, Field Survey of Northern Sumatra and Banda Aceh, Indonesia after the Tsunami and Earthquake of 26 December 2004, *Seismological Research Letters*, 3, 76, 312 – 320.
- Borrero, J. C., LeVeque, R. J., Greer S. D., O'Neill S., Davis B. N., 2015, Observations and Modelling of Tsunami Currents at the Port of Tauranga, New Zealand, *Australians Coasts & Ports Conference*, Auckland, New Zealand, September 2015.
- Cholifah, L. & Prastowo, T, 2017, Travel Time Difference Between Estimated and Observed Values of the 2011 Trans-oceanic Tohoku Tsunami, *Proc. 7th Basic Science International Conference (BaSIC)*, Malang: Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Brawijaya.
- Diament, M., Harjono, H., Karta, K., Deplus, C., Dahrin, D., Zen Jr, M. T., Gerard M., Lassal, O., Martin, A., Malod, J., 1992, Mentawai fault zone off Sumatra: A new key to the geodynamics of western Indonesia, *Geology*, 3, 20, 259 – 264.
- Geist, E. L., Titov, V. V., Arcas, D., Pollitz, F. F., Bilek, S. L., 2007, Implications of the 26 December 2004 Sumatra-Andaman Earthquake on Tsunami



Forecast and Assessment Models for Great Subduction-Zone Earthquakes,  
*Bulletin of the Seismological Society of America*, 1A, 97, 249 – 270.

Gisler, G., Weaver, R., Gittings, M., 2006, Sage Calculations of The Tsunami Threat from La Palma. *Sci, Tsunami Hazards*, 4, 24, 288 – 301.

Hall, R., 2009, Indonesia, Geology, *California : University of California Press*, 454 – 460.

Hamilton W. B., 1979, Tectonics of the Indonesian Region, *US Geological Survey Professional Paper*, 1078.

Hartoko, A., Helmi, M., Sukarno, M., Hariyadi, 2016, Spatial Tsunami Wave Modelling for The South Java Coastal Area, Indonesia, *International Journal of GEOMATE*. 25, 11, 2568 – 2473.

Hastuti, E. & Susilo, B., 2015, Tektonik Lempeng dan Bencana Geologi di Sumatera dan Jawa, *Kongres Ilmu Pengetahuan Wilayah Indonesia Bagian Barat*, Palembang, 3 – 5 September 2015.

Kakinuma, T., 2016, Tsunami Generation Due to Landslide or a Submarine Eruption, *InTechOpen*. 3, 36 – 59.

Kongko, W, 2012, South Java Tsunami Model Using Highly Resolved Data and Probable Tsunamigenic Sources, *Disertasi*, Hannover: Gottfried Wilhelm Leibniz Universität Hannover

Latief, H., Imamura, F., Puspito, N., 2000, Tsunami Catalog and Zones in Indonesia, *Journal of Natural Disaster Science*, 1, 22, 25 – 43.

Liu, Y., Shi, Y., Yuen, D. A., Sevre, E. O. D., Yuan, X., Xing, H. L., 2009, Comparison of linear and nonlinear shallow wave water equations applied to tsunami waves over the China Sea, *Acta Geotechnica*, 4, 129- 137.

Maramai, A. & Tinti, S., 1997, The 3 June 1994 Java Tsunami : A Post-Event Survey of The Coastal Effect, *Natural Hazard Journal* 15, 31 – 49.

Merati, N., Chamberlin C., Moore, C. W., Titov, V. V., Vance, T., 2010, Integration of Tsunami Analysis Tools into a GIS Workspace – Research, Modelling, and Hazard Mitigation Efforts Within NOAA'S Center of Tsunami Research, *Geospatial Techniques in Urban Hazard and Disaster Analysis*, 14, 273 – 294.



Mori, J., Mooney, W. D., Kurniawan, S. A., Anaya I., Widiyantoro S., 2007, The 17 July 2006 Tsunami Earthquake in West Java, Indonesia, *Seismological Research Letters*, 2, 78, 201 – 207.

NCEI-NOAA, NGDC Tsunami Event Database, *NCEI NOAA*, diakses tanggal 18 Januari 2020,  
<http://www.ngdc.noaa.gov/nndc/struts/form?t=101650&s=70&d=7>

NDBC-NOAA, NDBC Buoy Database, diakses tanggal 7 Mei 2020,  
<https://www.ndbc.noaa.gov/>

Papadopoulos, G. A. & Imamura F., 2001, Proposal for a new tsunami intensity scale, *ITS 2001 Proceedings*, 5 -1, 5

Petriccia, P., & Babeyko, A. Y., 2019, Tsunamigenic Potential of Crustal Faults and Subduction Zones in the Mediterranean, *Scientific Reports*, 9, 4326 – 4388.

Prastowo, T., Cholifah, L., Madlazim, 2018, Analysis of Travel Time Delay for Large Tsunamis Across the Pacific and Indian Oceans, *Journal of Tsunami Society International*, 4, 37, 195 – 212.

Rasyif, T. M., Kato, S., Syamsidik, Okabe, T., 2019, Numerical Simulation of Morphological Changes due to the 2004 Tsunami Wave around Banda Aceh, Indonesia, *Geosciences*, 3, 9, 125- 141.

Roy, A. B., 2014, Facts about Tsunami : Its Origin, Earthquake Link and Prediction : An Opinion, *J. Ind. Geophys. Union*, 3, 18, 330 – 335.

Smart, G., Crowley, K., Lane, E., 2015, Estimating Tsunami Run-up, *Natural Hazard*, 3, 80, 1933 – 1947.

Synolakis, C., Imamura, F., Tsuji, Y., Matsutomi, H., Tinti, S., Cook, B., Chandra, Y. P., Usman, M., 1995, Damage conditions of East Java tsunami of 1994 analyzed, *Eos, Transactions American Geophysical Union*, 26, 76, 261 – 262.

Titov, V., & González, F., 1997, Implementation and testing of the Method of Splitting Tsunami (MOST) model, *NOAA Tech . memo. ERL PMEL-112, (PB98-122773)*, NOAA/Pacific Marine Environmental Laboratory, Seattle, WA

Triyono, R., Prasetya, T., Daryono, Anugrah, S. C., Sudrajat, A., Setiyono, U., Gunawan, I., Priyobudi, Yatimantoro T., Hidayanti, Anggraini, S., Rahayu, R. H., Yogaswara, D. S., Hawati, P., Apriyani, M., Julius, A. M., Harvan, M., Simangunsong, G., Kriswinarso, T., 2019, Katalog Tsunami



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(COMMUNITY MODEL INTERFACE  
FOR TSUNAMI) 1.8.1**

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Indonesia Per-Wilayah Tahun 416-2018. *Pusat Gempabumi dan Tsunami Kedeputian Bidang Geofisika, Badan Meteorologi Klimatologi dan Geofisika*

Tsuji, Y., Imamura, F., Matsutomi, H., Synolakis, C. E., Nanang, P. T., Jumadi, Harada, S., Han, S. S., Arai, K., Cook, B., 1995, Field Survey of the East Java Earthquake and Tsunami of June 3, 1994, *Pure and Applied Geophysics PAGEOPH*, 3 – 4, 144, 839 – 854.

UNESCO, 2013, Tsunami Glossary, *Intergovernmental Oceanographic Commission Technical Series*, 85

van Zelst, I., Brizzi, S., van Rijsingen, E., Funiciello, F., van Dinther, Y., 2019, Investigating Global Correlations between Tsunami, Earthquake and Subduction Zone Characteristics, *Seismology and Wave Physics, Institute of Geophysics, Department of Earth Sciences, ETH Zürich, Zürich, Switzerland*.

Verstappen, H. Th., 2010, Indonesia Landforms and Plate Tectonics, *Jurnal Geologi Indonesia*, 3, 5, 197 – 207.