



DAFTAR PUSTAKA

- A, H. Z. dkk. 2009. *Deformasi Koseismik dan Pascaseismik Gempa Yogyakarta 2006 dari Hasil Survei GPS*. 4(4), pp. 275–284.
- Abidin, H Z, Kusuma, M. A., Andreas, H., Gamal, M., & Sumintadireja, P. 2008. *GPS-Based Monitoring of Surface Displacements in the Mud Volcano Area , Sidoarjo , East Java*. Observing our Changing Earth: Proceedings of the 2007 IAG General Assembly (hal. 595–603). Perugia: Springer. https://doi.org/10.1007/978-3-540-85426-5_69.
- Abidin, H. Z. 2007. *Penentuan Posisi dengan GPS dan Aplikasinya, (3rd ed.)*. Jakarta, Indonesia: PT. Pradnya Paramita., 6(2), p. 103.
- Abidin, H. Z. dkk. 2009. *Crustal deformation studies in java (Indonesia) using GPS*. Journal of Earthquake and Tsunami. doi: 10.1142/S1793431109000445.
- Afnimar, Yulianto, E. and Rasmid. 2015. *Geological and tectonic implications obtained from first seismic activity investigation around Lembang fault*. Geoscience Letters, 2(1). doi: 10.1186/s40562-015-0020-5.
- Altamimi, Z. dkk. 2007. *ITRF2005: A new release of the International Terrestrial Reference Frame based on time series of station positions and Earth Orientation Parameters*. Journal of Geophysical Research: Solid Earth, 112(9), pp. 1–19. doi: 10.1029/2007JB004949.
- Andreas, H. dkk. 2019. *Investigating the tectonic influence to the anthropogenic subsidence along northern coast of Java Island Indonesia using GNSS data sets*. E3S Web of Conferences, 94. doi: 10.1051/e3sconf/20199404005.
- Bachri, S. 2014. *Pengaruh Tektonik Regional Terhadap Pola Struktur dan Tektonik Pulau Jawa*. Geologi dan Sumberdaya Mineral, 15(4), pp. 215–221.
- Badan Informasi Geospasial. 2019. *Jaring Kontrol Geodesi*. Badan Informasi Geospasial, pp. 1–6.



BIG. 2014. *Peraturan Kepala Badan Informasi Geospasial: Pedoman Teknis Ketelitian Peta Dasar*

Fitri, I. H. dkk. 2018. *Analysis of Cimandiri Fault Mechanism Type Based on Strain Pattern from GPS Observations in the Year 2010 - 2017*. Proceedings - 2018 IEEE Asia-Pacific Conference on Geoscience, Electronics and Remote Sensing Technology: Best Practice for Disaster Mitigation using Geoscience, Electronic, and Remote Sensing, AGERS 2018. IEEE, pp. 2018–2021. doi: 10.1109/AGERS.2018.8554204.

Fowler, C. M. R. 2005. *The solid earth: an introduction to global geophysics*. 2nd ed, *The solid earth: an introduction to global geophysics*. 2nd ed. Cambridge University Press. doi: 10.1029/90eo00309.

Gunawan, E. and Widjiantoro, S. 2019. *Active tectonic deformation in Java, Indonesia inferred from a GPS-derived strain rate*. Journal of Geodynamics. Elsevier, pp. 49–54. doi: 10.1016/j.jog.2019.01.004.

Hamilton, A. dkk. 1986. *CONTROL SURVEY STUDY FOR LRIS'*, (124).

Hanifa, N. R. dkk. 2014. *Interplate coupling model off the southwestern coast of Java, Indonesia, based on continuous GPS data in 2008-2010*. Earth and Planetary Science Letters. Elsevier B.V., 401, pp. 159–171. doi: 10.1016/j.epsl.2014.06.010.

Hidayati, S., Sulaeman, C. and Kriswati, E. 2020. *Pengaruh Gempa bumi Tektonik Terhadap Aktivitas G . Gede Influence of Tectonic Earthquakes to Gede Volcano Activity*. 19(4), pp. 213–220.

Hilmi, F. and Haryanto, I. 2008. *Pola Struktur Regional Jawa Barat*. Bulletin of Scientific Contribution, pp. 57–66.

Hofmann-Wellenhof, B., Lichtenegger, H., & Wasle. 2018. *E.GNSS — global navigation satellite systems: GPS, GLONASS, galileo, and more*. Springer Vienna. <https://doi.org/10.1007/978-3-211-73017-1>

Ilahi, R. dkk. 2019. *Deformation rate variation along baribis fault based on*



continuous geodetic observation. Proceedings - 2019 5th International Conference on Science and Technology, ICST 2019, pp. 0–4. doi: 10.1109/ICST47872.2019.9166444.

Jekeli, C. (2006). *Geometric Reference Systems in Geodesy* (Issue July). Ohio State University. <http://handle.dtic.mil/100.2/ADA430152>.

Katili, J. A. 1975. *Volcanism and plate tectonics in the Indonesian island arcs.* Tectonophysics. doi: 10.1016/0040-1951(75)90088-8.

Keller, E.A., Pinter, N., 2014. *Active Tectonics Earthquakes, Uplift, and Landscape, Environmental & Engineering Geoscience*. Prentice Hall, United States of America. <https://doi.org/10.2113/gsegeosci.iii.3.463>

Koulali, A. dkk. 2016. *The kinematics of crustal deformation in Java from GPS observations : Implications for fault slip partitioning.* Earth and Planetary Science Letters. Elsevier B.V., 1, pp. 1–11. doi: 10.1016/j.epsl.2016.10.039.

Koulali, A. dkk. 2017. *The kinematics of crustal deformation in Java from GPS observations: Implications for fault slip partitioning.* Earth and Planetary Science Letters. Elsevier B.V., 458, pp. 69–79. doi: 10.1016/j.epsl.2016.10.039.

Kuncoro, H. 2013. *Methodology of Euler Rotation Parameter Estimation Using GPS Observation Data.* 1(2), pp. 42–55.

Kuncoro, H., Meilano, I. and Susilo, S. 2019. *Sunda and sumatra block motion in itrf2008.* E3S Web of Conferences, 94, pp. 4–7. doi: 10.1051/e3sconf/20199404006.

Leonard, G. S., Gregg, C. E. and Johnston, D. M. 2013. *Early Warning Systems.* doi: 10.1007/978-1-4020-4399-4.

Maguire, P. Britannica. *Faults Geology.* <https://www.britannica.com/science/fault-geology>. Dipublikasikan 7 Mei 2020. Diakses 10 Mei 2021.

Manurung, P. dkk. 2018. *KEMANDIRIAN TEKNOLOGI PENGEMBANGAN RECEIVER GNSS. Local Technology Development of GNSS Receiver for Mobile*



CORS, pp. 819–826.

Meilano, I. dkk. 2012. *Slip rate estimation of the lembang fault west java from geodetic observation*. Journal of Disaster Research, 7(1), pp. 12–18. doi: 10.20965/jdr.2012.p0012.

Meilano, I. dkk. 2015. *Preliminary deformation model for National Seismic Hazard map of Indonesia*. AIP Conference Proceedings, 1658(November), pp. 1–6. doi: 10.1063/1.4915011.

Mitra, S. 1993. *Geometry and kinematic evolution of inversion structures*. American Association of Petroleum Geologists Bulletin. doi: 10.1306/bdff8e2a-1718-11d7-8645000102c1865d.

Montillet, J.-P. dkk. 2015. *Estimation of offsets in GPS time-series and application to the detection of earthquake deformation in the far-field*. Geophysical Journal International, 200(2), pp. 1207–1221. doi: 10.1093/gji/ggu473.

Natawidjaja, D. H. dkk. 2004. *Paleogeodetic records of seismic and aseismic subduction from central Sumatran microatolls, Indonesia*. Journal of Geophysical Research: Solid Earth. doi: 10.1029/2003JB002398.

Navratil, G. (2011) *Adjustment computations: spatial data analysis*, *International Journal of Geographical Information Science*. doi: 10.1080/13658816.2010.501335.

Nguyen, N. dkk. 2015. Indonesia's Historical Earthquakes: Modelled examples for improving the national hazard map. doi: 10.11636/record.2015.023.

Okada, Y. 1985. *Surface deformation due to shear and tensile faults in a half-space*. Bulletin of the seismological society of America, 75(4), 1135-1154.

Pratama, C. dkk. 2020. *Data-Driven of Time Series Decomposition on Estimating Geodetic Secular Motion around Palu- Koro Fault Zone*. 2020 8th International Conference on Information and Communication Technology, ICoICT 2020. doi: 10.1109/ICoICT49345.2020.9166422.



Pulunggono, A. and Martodjojo, S. 1994. *Perubahan Tektonik Paleogen - Neogen Merupakan Peristiwa Terpenting di Jawa*. Proceedings Geologi dan geotektonik Pulau Jawa.

Pustlitbang PUPR (2017) *Buku Peta Gempa 2017*.

Rohadi, S., Grandis, H. and Ratag, M. A. 2014. *Studi Variasi Spatial Seismisitas Zona Subduksi Jawa*. Jurnal Meteorologi dan Geofisika, 8(1), pp. 42–47. doi: 10.31172/jmg.v8i1.4.

Sadd, M. H. 2009. *Elasticity: theory, applications, and numerics*. (hal. 31–53). <https://doi.org/10.1016/B978-0-12-408136-9.00002-7>.

Sagiya, T., Miyazaki, S. and Tada, T. 2000. *Continuous GPS array and present-day crustal deformation of Japan*. Pure and Applied Geophysics, 157(11–12), pp. 2303–2322. doi: 10.1007/978-3-0348-7695-7_26.

Shen, Z. K. dkk. 2015. *Optimal interpolation of spatially discretized geodetic data*. Bulletin of the Seismological Society of America, 105(4), pp. 2117–2127. doi: 10.1785/0120140247.

Simons, W. J. F. dkk. 2007. *A decade of GPS in Southeast Asia: Resolving Sundaland motion and boundaries*. Journal of Geophysical Research: Solid Earth, 112(6), pp. 1–20. doi: 10.1029/2005JB003868.

Sophian, R. I. 2010. *Penurunan Muka Tanah di Kota-Kota Besar Pesisir Pantai Utara Jawa (Studi Kasus: Kota Semarang)*. Bulletin of Scientific Contribution, 8(1), pp. 41–60

Stanaway, R. dkk. 2012. *Four Dimensional Deformation Modelling, the Link Between International, Regional and Local Reference Frames*. FIG Working Week, (May 2012), pp. 6–10.

Sule, R. dkk. 2007. *The Utilization of Resistivity and GPS Methods in Landslide Monitoring : Case Study at Panawangan Area – Ciamis*. Prosiding Seminar Joint ke



V. Convention Bali 2007.

Susilo, S. dkk. 2015. *A New Definition of Sunda Block Rotation Model*. (February 2018), pp. 22–25.

Susilo, S. dkk. 2016. *On the Development of Deformation Model for the Indonesian Geospatial Reference System (IGRS) 2013* (In', (8129).

Susilo, A. and Adnan, Z. 2013. *Probabilistic Seismic Hazard Analysis of East Java Region, Indonesia*. International Journal of Computer and Electrical Engineering, 5(3), pp. 341–344. doi: 10.7763/ijcee.2013.v5.728.

Fowler, C. M. R. (2005) *The solid earth: an introduction to global geophysics*. 2nd ed, *The solid earth: an introduction to global geophysics*. 2nd ed. Cambridge University Press. doi: 10.1029/90eo00309.

Thatcher, W. 2009. *How the continents deform: The evidence from tectonic geodesy*. Annual Review of Earth and Planetary Sciences, 37, pp. 237–262. doi: 10.1146/annurev.earth.031208.100035.

Widjajanti, Nurrochmat. 1997. *Analisis Deformasi Status Geometrik Dua Dimensi dengan Pendekatan Generalisasi Matrik Kebalikan*. Institut Teknologi Bandung.

Widjajanti, Nurrochmat. 2000. *Analisis Geometrik Deformasi pada Kerangka Dasar Relatif*. Media Teknik No.1 Tahun XXII, Februari 2.

Widjajanti, N. dkk. 2020. *Present-day crustal deformation revealed active tectonics in Yogyakarta, Indonesia inferred from GPS observations*. Geodesy and Geodynamics. Elsevier Ltd, 11(2), pp. 135–142. doi: 10.1016/j.geog.2020.02.001.