



## DAFTAR PUSTAKA

- Ammarohman, F. J., Nugraha, A. L., Awaluddin, M., Saputra, R., & Prayitno, B. (2018). Analisis Deformasi Wilayah Jawa Tengah dengan Data GNSS CORS. *Elipsoida*, 01(01), 47–52.
- Ashurkov, S. V., San, V. A., Serov, M. A., Luk, P. Y., Grib, N. N., Bordonskii, G. S., & Dembelov, M. G. (2016). Evaluation of Present-day Deformations in The Amurian Plate and Its surroundings, Based on GPS Data. *RGG*, 57(11), 1626–1634. <https://doi.org/10.1016/j.rgg.2016.10.008>.
- Bagas, S. A., Suprayogi, A., & Sabri, L. M. (2020). Survei Deformasi Dengan Metode GNSS Tahun 2019 di Sekitar Jembatan Penggaron. *Jurnal Geodesi. Undip*, 9(2), 177–187.
- Bidang Geodinamika. (2018). *InaCORS BIG Satu Referensi Pemetaan Indonesia* (Pusat Jaring Kontrol Geodesi dan Geodinamika. Badan Informasi Geospasial. <https://doi.org/10.13140/RG.2.2.28041.70248>.
- Chaussard, E., Amelung, F., Abidin, H., & Hong, S. H. (2013). Sinking Cities in Indonesia: ALOS PALSAR Detects Rapid Subsidence Due to Groundwater and Gas Extraction. *Remote Sensing of Environment*, 128, 150–161. <https://doi.org/10.1016/j.rse.2012.10.015>.
- Chrzanowsky, A. & Chen, Y. . (1986). Geometrical Analysis of Deformation Surveys. *Geometrical Analysis of Deformation Surveys*.
- El-Rabbany, A. (2002). *Introduction to GPS: The Global Positioning System*. Artech House.
- Feigl, K. L. & Thatcher, W. (2006). Geodetic Observations of Post-seismic Transients in the Context of the Earthquake Deformation Cycle. *Comptes Rendus-Geoscience*, 338(14–15), 1012–1028. <https://doi.org/10.1016/j.crte.2006.06.006>.
- Feng, L., Hill, E. M., Banerjee, P., Hermawan, I., Tsang, L. L. H., Natawidjaja, D. H.,



- Suwargadi, B. W., & Sieh, K. (2015). A Unified GPS-based Earthquake Catalog for the Sumatran Plate Boundary Between 2002 and 2013. *Journal of Geophysical Research: Solid Earth*, 120(5), 3566–3598. <https://doi.org/10.1002/2014JB011661>.
- Fowler, C. M. R. (2005). The Solid Earth: an Introduction to Global Geophysics. In *The solid earth: an introduction to global geophysics* (2nd ed). Cambridge University Press. <https://doi.org/10.1029/90eo00309>.
- Ghilani, C. D. (2010). *Adjustment Computations : Spatial Data Analysis 5th Edition* (5th ed.). John Wiley & Sons, Inc.
- Gunawan, E., Meilano, I., Hanifa, N. R., & Widiyantoro, S. (2017). Effect of Coseismic and Postseismic Deformation on Homogeneous and Layered Half-space and Spherical Analysis: Model Simulation of the 2006 Java, Indonesia, Tsunami Earthquake. *Journal of Applied Geodesy*, 11(4), 207–214. <https://doi.org/10.1515/jag-2017-0009>.
- Gunawan, E. & Widiyantoro, S. (2019). Active Tectonic Deformation in Java, Indonesia Inferred from a GPS-derived Strain Rate. *Journal of Geodynamics*, 123(December 2017), 49–54. <https://doi.org/10.1016/j.jog.2019.01.004>.
- Hadi, A. L., Anjasmara, I. M., & Yusfania, M. (2016). Analisa Kecepatan Pergeseran di Wilayah Jawa Tengah Bagian Selatan Menggunakan GPS-CORS Tahun 2013-2015. *Teknik ITS*, 5(2), C70–C74.
- Hamilton, W. (1973). Tectonics of the Indonesian Region. *Geological Society of Malaysia, Bulletin*, 6(July), 3–10.
- Heliani, L. S., Pratama, C., Wibowo, A., Sahara, D. P., Ilahi, R., & Lestari, D. (2020). *Long and Short Wavelength of Geodetic Strain Rate Tapering Earthquake Potential in Western Java. Figure 1.*
- Hilmi, F. & Haryanto, I. (2008). Pola Struktur Regional Jawa Barat. *Bulletin of Scientific Contribution*, 57–66.



- Hwang, C., Hsiao, Y., & Shih, H. (2006). Data Reduction in Scalar Airborne Gravimetry: Theory, Software and Case Study in Taiwan. *Computers and Geoscience, December*. <https://doi.org/10.1016/j.cageo.2006.02.015>.
- Jekeli, C. (2006). *Geometric Reference Systems in Geodesy* (Issue July). Ohio State University. <http://handle.dtic.mil/100.2/ADA430152>.
- Katili, J. A. (1971). A Review of The Geotectonic Theories and Tectonic Maps of Indonesia. *Earth-Science Reviews*, 7, 143–163.
- Koulali, A., McClusky, S., Susilo, S., Leonard, Y., Cummins, P., Tregoning, P., Meilano, I., Efendi, J., & Wijanarto, A. B. (2017). The Kinematics of Crustal Deformation in Java from GPS Observations: Implications for Fault Slip Partitioning. *Earth and Planetary Science Letters*, 458, 69–79. <https://doi.org/10.1016/j.epsl.2016.10.039>.
- Kuncoro, H., Meilano, I., & Susilo, S. (2019). Sunda and Sumatra Block Motion in ITRF2008. *E3S Web of Conferences*, 94, 4–7. <https://doi.org/10.1051/e3sconf/20199404006>.
- Manurung, P., Manurung, J., Pramujo, H., & Prawira, R. (2018). Kemandirian Teknologi Pengembangan Receiver GNSS. (*Local Technology Development of GNSS Receiver for Mobile CORS*). 819–826.
- McCarthy, D. D. & Petit, G. (2004). IERS conventions (2003). In *IERS Technical Note* 32. <http://handle.dtic.mil/100.2/ADA430152>.
- Meneses-Gutierrez, A. & Sagiya, T. (2016). Persistent Inelastic Deformation in Central Japan Revealed by GPS Observation Before and After the Tohoku-oki Earthquake. *Earth and Planetary Science Letters*, 450, 366–371. <https://doi.org/10.1016/j.epsl.2016.06.055>.
- Nguyen, N., Griffin, J., Cipta, A., & Cummins, P. R. (2015). *Indonesia's Historical Earthquakes: Modelled Examples for Improving the National Hazard Map*. <https://doi.org/10.11636/record.2015.023>.



Ogundare, J. O. (2015). Precision Surveying: The Principles and Geomatics Practice.

In *Britannica*. <https://www.britannica.com/science/fungus>.

Pinasti, A., Widjajanti, N., Pratama, C., Parseno, P., Lestari, D., Sunantyo, A., Heliani, L., & Ulinnuha, H. (2019). Crustal Deformation Pattern Across Yogyakarta Special Region Revealed by a Dense Geodetic Measurements. *Proceedings - 2019 5th International Conference on Science and Technology, ICST 2019*, 1. <https://doi.org/10.1109/ICST47872.2019.9166405>.

Pollard, D. D. & Martel, S. J. (2020). Structural Geology: A Quantitative Introduction. In *Structural Geology: A Quantitative Introduction* (1st Editio, pp. 3–22). Cambridge University Press. <https://doi.org/10.1017/9781139547222.005>.

Pratama, C., Meilano, I., Sunarti, E., Haksama, S., & Sulistiyo, M. D. (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*. <https://doi.org/10.1109/ICoICT49345.2020.9166422>.

Pulunggono, A. & Martodjojo, S. (1994). Perubahan Tektonik Paleogen - Neogen Merupakan Peristiwa Terpenting di Jawa. *Proceedings Geologi Dan Geotektonik Pulau Jawa*.

Pusat Studi Gempa Nasional. (2017). *Buku Peta Gempa 2017*.

Raharja, R., Gunawan, E., Meilano, I., Abidin, H. Z., & Efendi, J. (2016). Long Aseismic Slip Duration of the 2006 Java Tsunami Earthquake Based on GPS Data. *Earthquake Science*, 29(5), 291–298. <https://doi.org/10.1007/s11589-016-0167-y>.

Sadd, M. H. (2014). Deformation: Displacements and Strains 2. In *Elasticity* (3rd Editio, Issue 1969, pp. 31–53). Academic Press. <https://doi.org/10.1016/B978-0-12-408136-9.00002-7>.

Sagiya, T., Miyazaki, S., & Tada, T. (2000). Continuous GPS Array and Present-day Crustal Deformation of Japan. *Pure and Applied Geophysics*, 157(11–12), 2303–



2322. [https://doi.org/10.1007/978-3-0348-7695-7\\_26](https://doi.org/10.1007/978-3-0348-7695-7_26).

Satyana, A. H. & Purwaningsih, M. E. M. (2002). Lekukan Struktur Jawa Tengah : Suatu Segmentasi Sesar Mendatar. In *Lekukan Struktur Jawa Tengah : Suatu Segmentasi Sesar Mendatar* (Issue March, pp. 1–14).

Shen, Z. K., Wang, M., Zeng, Y., & Wang, F. (2015). Optimal Interpolation of Spatially Discretized Geodetic Data. *Bulletin of the Seismological Society of America*, 105(4), 2117–2127. <https://doi.org/10.1785/0120140247>.

Simandjuntak, T. O. & Barber, A. J. (1996). Contrasting Tectonic Styles in the Neogene Orogenic Belts of Indonesia. *Geological Society Special Publication*, 106(106), 185–201. <https://doi.org/10.1144/GSL.SP.1996.106.01.12>.

Simons, W.J.F., Ambrosius, B. A. C., Noomen, R., Angermann, D., & Vigny, C. (1999). *Observing Plate Motions in S . E . Asia : Geodetic results of the GEODYSSSEA project*. 26(14), 2081–2084.

Simons, Wim J.F., Socquet, A., Vigny, C., Ambrosius, B. A. C., Abu, S. H., Promthong, C., Subarya, C., Sarsito, D. A., Matheussen, S., Morgan, P., & Spakman, W. (2007). A decade of GPS in Southeast Asia: Resolving Sundaland Motion and Boundaries. *Journal of Geophysical Research: Solid Earth*, 112(6), 1–20. <https://doi.org/10.1029/2005JB003868>.

Teunissen, P. J. G. & Montenbruck, O. (2017). Global Navigation Satellite Systems. In *International Ocean Systems* (Vol. 18, Issue 6). Springer International Publishing. <https://doi.org/10.4324/9781315610139-12>.

Turcotte, D. L. & Schubert, G. (2002). Geodynamics. In *Journal of Materials Processing Technology* (2nd Editio, Vol. 1, Issue 1). Cambridge University Press. <https://doi.org/10.1016/j.ijfatigue.2019.02.006%250>.

Ulinnuha, H., Sunantyo, T. A., & Widjajanti, N. (2019). Analisis Deformasi Segmen Mentawai Fase Post-Seismic 10 Juli 2013. *Seminar Nasional Geomatika*, 3, 813. <https://doi.org/10.24895/sng.2018.3-0.1073>.



Wallenhof, B. H., Lichtenegger, H., & Wasle, E. (2008). GNSS-Global Navigation Satellite Systems GPS, GLONASS, Galileo, and more. SpringerWienNeewYork.

Widjajanti, N. (2000). Analisis Geometrik Deformasi Pada Kerangka Dasar Relatif. In *Jurnal i-lib UGM*. Media Teknik No.1 Tahun XXII. <http://i-lib.ugm.ac.id/jurnal/download.php?dataId=3018>.

Widjajanti, N. (2010). *Deformation Analysis of Offshore Platform Using GPS Technique and Its Application in Structural Integrity Assessment* (Issue 2). Universiti Teknologi Petronas.

Widjajanti, N., Pratama, C., Parseno, Sunantyo, T. A., Heliani, L. S., Ma'ruf, B., Atunggal, D., Lestari, D., Ulinnuha, H., Pinasti, A., & Ummi, R. F. (2020). Present-day Crustal Deformation Revealed Active Tectonics in Yogyakarta, Indonesia Inferred from GPS Observations. *Geodesy and Geodynamics*, 11(2), 135–142. <https://doi.org/10.1016/j.geog.2020.02.001>

Willson, P., Rais, J., Reigber, C., Reinhart, E., Ambrosius, B. A. C., Le Pichon, X., & Boonphakdee, C. (1998). Study Provides Data on Active Plate Tectonics in Southeast Asia Region. *Eos, Transactions, American Geophysical Union*, 79, 545–556.

Windley, B. F. & Harbaugh, J. W. (2020). *Geology*. Encyclopedia Britannica. <https://www.britannica.com/science/geology>.

Woodgate, P., Coppa, I., Choy, S., Phinn, S., Arnold, L., & Duckham, M. (2017). The Australian Approach to Geospatial Capabilities; Positioning, Earth Observation, Infrastructure and Analytics: Issues, Trends and Perspectives. *Geo-Spatial Information Science*, 20(2), 109–125. <https://doi.org/10.1080/10095020.2017.1325612>.