

DAFTAR PUSTAKA

- Abercrombie, R. E., Antolik, M., Felzer, K., & Ekström, G. (2001). *The 1994 Java Tsunami Earthquake: Slip Over a Subducting Seamount*. *Journal of Geophysical Research: Solid Earth*, 106, 6595–6607.
- Abidin, H. Z. (2007). *Penentuan Posisi dengan GPS dan Aplikasinya* (3rd ed.). Jakarta, Indonesia: PT. Pradnya Paramita.
- Abidin, H. Z. (2021). *Penentuan Posisi dengan GPS dan Aplikasinya*. Jakarta: ITB Press.
- Adam, J.A.N. (2020). *Estimasi Nilai Laju Geser dan Geometri Sesar Opak Menggunakan Data Pengamatan Geodetik Di Yogyakarta*. Skripsi. Yogyakarta: Universitas Gadjah Mada.
- Akmal, S. S. (2020). *16 Arah Mata Angin Lengkap dan Cara Menentukannya*. Retrieved from <https://sijai.com/arah-mata-angin/>
- Alif, S. M., Ching, K.-E., Sagiya, T., & Wahyuni, W. N. (2024). *Determination of Euler Pole Parameters for Sundaland Plate Based on Updated GNSS Observations in Sumatra, Indonesia*. *Geoscience Letters*, 11(1), 16. <https://doi.org/10.1186/s40562-024-00330-0>
- Altamimi, Z., Collilieux, X., & Métivier, L. (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(B9), 1–19. <https://doi.org/10.1029/2007JB004949>
- Argus, D. F., Gordon, R. G., & DeMets, C. (2011). *Geologically Current Motion of 56 Plates Relative to The No-Net-Rotation Reference Frame*. *Geochemistry, Geophysics, Geosystems*, 12, Q11001.
- Annuriah, I., Budiawati, O. M., Fitri, W., Chabibi, F. F., Ginting, A. P., Kautsar, M. Al, Kholil, M., Prayoga, O., Wibowo, S. T., Wismaya, Y. G., & Aditya, A. (2018). *Ketelitian Posisi Pengamatan GNSS Metode Precise Point Positioning dan Metode Penentuan Posisi Relatif*. Bandung.
- BMKG. (2022). *Ulasan Guncangan Tanah Akibat Gempabumi di Selatan Jawa 14 Januari 2022*. 1–15.
- Bird, P. (2003). *An Updated Digital Model of Plate Boundaries*. *Geochemistry, Geophysics, Geosystems*, 4(3), 1027.

- Blick, G., & Stanaway, R. (2012). *Four-Dimensional Deformation Model for Terrestrial Reference Frame*. IAG/FIG Commission 5/ICG Technical Seminar, Rome, Italy.
- Chrzanowski, A., Chen, Y. Q., & Secord, J. M. (1986). *Geometrical Analysis of Deformation Surveys*. In Y. Bock (Ed.), *Deformation Measurements Workshop Modern Methodology in Precise Engineering and Deformation Surveys -II*. Department of Earth, Atmospheric, and Planetary Sciences Massachusetts Institute of Technology. Retrieved from <https://www.britannica.com/science/fungus>
- Daniswara, Y. C., Isnin, M. N., Permana, M. R. A., Anugrah, Y., Hafiz, E. G., Mukti, F. Z., Sudarmono, D., Baihaqi, I. M., & Rizqiansyah, A. (2019). *InaCORS BIG: Satu Referensi Pemetaan Indonesia*. In Badan Informasi Geospasial.
- DeMets, C., Gordon, R. G., & Argus, D. F. (2010). *Geologically Current Plate Motions*. *Geophysical Journal International*, 181(1), 1–80.
- ESDM. (2020). *Ini Penyebab Terjadinya Penurunan Tanah di Pesisir Utara Jawa Tengah*. Retrieved from <https://www.esdm.go.id/id/media-center/arsip-berita/ini-penyebab-terjadinya-penurunan-tanah-di-pesisir-utara-jawa-tengah>
- Eka, R. (2021). *Analisis Sesar Aktif di Jawa Timur Berdasarkan Data Pengamatan GNSS Kontinu Tahun 2010 s.d 2019*. Yogyakarta.
- Evelinda, S. (2022). *Analisis Perbandingan Metode Moving Average Filter Terhadap Laju Pergeseran dan Laju Regangan untuk Identifikasi Sesar Aktif di Pulau Jawa*. Yogyakarta.
- Fuadi, F. Z., Kuncoro, H., Wibowo, S. T., & Rizqiansyah, A. (2020). *Slip Deficit Rates Estimation at Baribis Fault on 2016-2019 GPS Observations*. Figure 1.
- Gao, Y., & Shen, X. (2004). *Performance Analysis of Precise Point Positioning Using Real-Time Orbit and Clock Products*. *Journal of Global Positioning Systems*, 3(1-2), 95–100.
- Grant, D. B., Blick, G. H., Pearse, M. M., Beavan, R. J., & Morgan, P. J. (1999). *The Development and Implementation of New Zealand Geodetic Datum 2000*. IUGG99 General Assembly, Birmingham, UK.
- Grant, D. B., & Blick, G. H. (1998). *A New Geocentric Datum for New Zealand*. *New Zealand Surveyor*, 288, 40–42.
- Grant, D. B., & Pearse, M. M. (1995). *Proposal for a Dynamic National Geodetic Datum for New Zealand*. IUGG XXI General Assembly, Boulder, Colorado.

- Hackl, M., Malservisi, R., & Wdowinski, S. (2009). *Strain Rate Patterns From Dense GPS Networks*. Natural Hazards and Earth System Sciences, 9, 1177–1187.
- Hall, R., Cottam, M. A., & Wilson, M. E. J. (Eds.) (2011). *Australia-SE Asia Collision: Plate Tectonics and Crustal Flow*. Geological Society London, Special Publications, 355, 75–109.
- Hamilton, W. (1979). *Tectonics of the Indonesian Region*. U.S. Geological Survey Professional Paper 1078, Boulder, Colo.
- Harris, R., & Major, J. (2016). *Waves of Destruction in the East Indies: the Wichmann Catalogue of Earthquakes and Tsunami in the Indonesian Region from 1538 to 1877*. Geological Society (London) Special Publications, 441.
- Hofmann-Wellenhof, B., Lichtenegger, H., & Wasle, E. (2018). *GNSS — Global Navigation Satellite Systems: GPS, GLONASS, Galileo, and More*. Springer Vienna.
<https://doi.org/10.1007/978-3-211-73017-1>
- IGS. (2005). *Website of the International GNSS Service (formerly International GPS Service)*. Retrieved November 1, 2018, from <http://igscb.jpl.nasa.gov/>
- 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/gseegeosci.iii.3.463>
- Kouba, J., & Heroux, P. (2001). *GPS Precise Point Positioning Using IGS Orbit Products*. Navigation, GPS Solutions, 5(2), 12–28.
- Koulali, A., McClusky, S., Susilo, S., Leonard, Y., Cummins, P., Tregoning, P., & 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>
- Kuang, S. (1996). *Geodetic Network Analysis and Optimal Design*. Ann Arbor Press, Chelsea, Michigan.
- Kusky, T. (2008). *EARTHQUAKES: Plate Tectonics and Earthquake Hazards*. New York: Infobase Publishing.
- Kuncoro, H., Meilano, I. and Susilo, S. (2019). *Sunda and sumatra block motion in itr2008*. E3S Web of Conferences, 94, pp. 4–7. doi: 10.1051/e3sconf/20199404006.
- Kuncoro, H., Kartini, G. A. J., Meilano, I., & Susilo, S. (2019). *Identifikasi Mekanisme Sesar Di Bagian Timur Pulau Jawa Dengan Menggunakan Data Gnss Kontinu 2010-2016*. In Seminar Nasional Geomatika (Vol. 3, pp. 805-812).

- Lapiņa, I. (2020). *Mapping Crustal Deformation in Fennoscandia Using BIFROST GPS Data*. Skripsi. Norway: Universitetet i Bergen.
- Lestari, D. (2006). *GPS Study for Resolving the Stability of Borobudur Temple Site*. 168. <http://hdl.handle.net/1959.4/39994> in <https://%0Aunsworks.unsw.edu.au>
- Lee, H., Kwon, D.-J., Lee, J., & Kim, J. (2011). *Estimation of 3D Displacements on a Bridge Using a GPS-Accelerometer Combination System*. *Journal of Surveying Engineering*, 137(4), 147–155.
- Martini, L., & Meilano, I. (2022). *Aktivitas Sesar Cimandiri Berdasarkan GPS*. Retrieved from <https://m.gatra.com/detail/news/537283>
- Martini, L., Meilano, I., Abidin, H. Z., Mardiatno, D., & Kimata, F. (2021). *Surface Deformation Associated with Coseismic Slip on the Lembang Fault, West Java, Indonesia*. *Journal of Earthquake and Tsunami*, 15(4), 2150010. <https://doi.org/10.1142/S1793431121500105>
- Meilano, I., Gunawan, E., Nugraha, A. D., Abidin, H. Z., & Kimata, F. (2012). *The 25 October 2010 Mentawai Earthquake and Tsunami*. *Journal of Disaster Research*, 7(1), 16–22. <https://doi.org/10.20965/jdr.2012.p0016>
- Meilano, I., Imamura, F., & Abidin, H. Z. (2009). *Field Survey and Preliminary Analysis of the West Sumatra Earthquake 30 September 2009*. In *2009 West Sumatra Earthquake*, Vol. 1. Earthquake Engineering Research Institute (EERI), Oakland, California.
- Meilano, I., Gunawan, E., Nugraha, A. D., & Abidin, H. Z. (2008). *Preliminary Analysis of the Geodetic Data of the Bengkulu Earthquake September 12, 2007*. *Indonesian Journal of Geology*, 3(1), 61–68.
- Meilano, I., Susilo, S., & Abidin, H. Z. (2007). *Crustal Deformation Studies Using the Global Positioning System*. *Geophysical Research Letters*, 34, L12306.
- Murtagh, F., & Heck, A. (1987). *Multivariate Data Analysis*. Springer Netherlands. <https://doi.org/10.1007/978-94-009-3789-5>
- Muslim. (2011). *Pengaruh ionosfer pada akurasi penentuan posisi absolut dengan GPS single frequency pada saat terjadi badai matahari*. 70-89.
- NASA. (2002). *InSAR Image of South Central Sumatra*. Retrieved from <https://photojournal.jpl.nasa.gov/catalog/PIA03462>
- National Disaster Management Authority (BNPB). (2020). *Sumber Daya Alam dan Bencana di Indonesia*.

- Nugraha, A. D., & Meilano, I. (2010). *The Java Megathrust and its Effect on Tectonic Deformation of Java Island*. Bandung Institute of Technology.
- Ocalan, T., Erdogan, B and Tunalioglu, N. (2013). *Analysis of Web-based Online Services for GPS Relative and Precise Point Positioning Techniques*. Bol. Ciênc. Geod., sec. Artigos, Curitiba, vol. 19, no 2, p.191- 207, abr-jun, 2013.
- Ongkowidjojo, E. M., Darmawan, D. A., & Hanafiah, Z. (2015). *Pengaruh Sesar Opak Terhadap Bangunan Bersejarah dan Modern*. Surabaya.
- Palant, J. (2005). *SPSS Survival Manual: A Step by Step Guide to Data Analysis Using SPSS for Windows (Version 12)*. Allen & Unwin. Retrieved from <https://www.scribd.com/document/543867879/Palant-J-2005-SPSS-Survival-Manual-A-Step-by-Step-Guide-to-Data-Analysis-Using-SPSS-for-Windows-Version-12-Allen-Unwin>.
- Pemerintah Provinsi Jawa Barat. (2019). *Dokumen Kebijakan Umum Penanggulangan Bencana Daerah Provinsi Jawa Barat Tahun 2019-2023*. Bandung.
- Permana, M. R. A. (2018). *Kajian Sumber Gempa dan Bahaya Gempa Bumi untuk Mitigasi Bencana di Indonesia*. Yogyakarta.
- Putra, E. P., Fathoni, M. S., & Priyono, A. (2020). *Analisis Deformasi Akibat Gempabumi Menggunakan Data GPS di Wilayah Yogyakarta*. Yogyakarta.
- Pyzdek, T., & Keller, P. (2014). *The Six Sigma Handbook*. New York: McGraw-Hill Education.
- Pyzdek, T. (2003). *The Six Sigma Handbook: A Complete Guide for Green Belts, Black Belts, and Managers at All Levels*. McGraw Hill.
- Rahardjo, A. T. (2022). *Kestabilan Tanah Akibat Pemotongan Lereng Pada DAS Solo Hulu* (Vol. 2). UNS Press.
- Rafiq, M .2023. *Analisis Deformasi Pulau Jawa bagian Timur Menggunakan Data Pengamatan GPS Tahun 2017 – 2022*. Surabaya.
- Raimondi, A. F., Jomard, H., & Guglielmo, A. (2017). *Dynamic Geodetic Datum for a Plate-Boundary Zone in North America*. Geodesy and Geodynamics, 8(5), 320–329. <https://doi.org/10.1016/j.geog.2017.08.004>
- Rasyid, A. H. (2019). *Pemetaan Daerah Potensial Longsor Menggunakan Penginderaan Jauh dan Sistem Informasi Geografis*. Yogyakarta.
- Rita, P., & Aprilian, N. (2021). *Analisis Gempa Bumi dan Pergerakan Tanah di Kabupaten Sumedang Menggunakan Data GNSS dan Metode D-InSAR*. Yogyakarta.

- Romero, F. A., & Caro Cuenca, M. (2019). *InSAR Analysis of Crustal Deformation in Java Island Using Sentinel-1A Data*. Journal of Applied Geodesy, 13(4), 279–290. <https://doi.org/10.1515/jag-2019-0009>
- Saifuddin, A. H. (2021). *Sistem Peringatan Dini Gempa Bumi di Indonesia: Implementasi dan Tantangan*. Jakarta.
- Sari, Y. I., Kusuma, B., & Kusumawardhani, A. (2018). *Analisis Potensi Likuifaksi Akibat Gempa Bumi di Provinsi Jawa Barat Menggunakan Metode Nilai L*. Yogyakarta.
- Sekarsari, A. (2021). *Analisis Pengaruh Sesar Aktif Terhadap Laju Pergeseran Indonesia Continuously Operating Reference Station (Ina-CORS) Wilayah Jawa Bagian Barat*. Yogyakarta.
- Setiawan, R., Darmawan, A., & Pradana, S. A. (2021). *Analisis Pemanfaatan Data GPS untuk Menentukan Tingkat Deformasi Tanah di Jawa Tengah*. Yogyakarta.
- Setyawan, R. Y., Hadi, A. W., & Anggraini, D. (2020). *Pemodelan Tektonik Indonesia Menggunakan Data Geodetik dan Seismik*. Surabaya.
- 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.
- Sibarani, D., & Handayani, E. R. (2021). *Kajian Pergerakan Tanah Akibat Aktivitas Sesar Aktif di Pulau Sumatera Menggunakan Data GPS*. Jakarta.
- Simanjuntak, T. O. (2015). *Uji Multivariat: Analisis Diskriminan, Analisis Konjoin, Analisis Faktor dan Analisis Cluster*. Graha Ilmu.
- Stanaway, R., & Roberts, C. (2017). *Improved Real-Time Estimation of Crustal Deformation Using a Deformation Model*. IAG Symposium on Geodesy for Earthquake and Natural Hazards (GENAH), Kobe, Japan.
- Suherman, H. (2019). *Estimasi Parameter Sesar Sumatera Menggunakan Data GPS dan InSAR*. Bandung.
- Sunaryo, S., & Ismanto, S. (2020). *Studi Kestabilan Lereng Menggunakan Analisis Geoteknik dan Geofisika pada Daerah Berpotensi Longsor di Jawa Barat*. Yogyakarta.
- Syamsu, D. R. (2020). *The Six Sigma Guide: Optimizing Performance with Statistical Analysis*. Jakarta: Deepublish.
- Tanimoto, T., & Lay, T. (2000). *Mantle Dynamics and Earthquake Prediction*. Geophysical Research Letters, 27(15), 2333–2336.

- Tregoning, P. (2003). *Precision of Coordinates from the AUSPOS GPS Processing Service*. Tech. rep., Australian National University.
- Tregoning, P., & Watson, C. (2009). *Atmospheric Effects and Spurious Signals in GPS Analyses*. Journal of Geophysical Research: Solid Earth, 114, B09403.
- Tresna, S. (2020). *Analisis Deformasi di Wilayah Jawa Bagian Tengah berdasarkan Data Pengamatan GNSS Kontinu untuk Identifikasi Sesar Aktif*. Yogyakarta.
- Ulinnuha, H., Lestari, D., Widjajanti, N., Parseno, P., Pratama, C., Heliani, L. S., & Novianti, S. T. (2022). *Estimasi Potensi Gempa Tektonik di Wilayah Sesar Opak Berdasarkan Data Pengamatan GPS. Geoid, 18(1), 9.*
<https://doi.org/10.12962/j24423998.v18i1.11817>.
- Wahab, A., & Salim, F. (2019). *Analisis Deformasi Tanah Menggunakan Data GNSS dan Metode SAR Interferometry di Jawa Timur*. Yogyakarta.
- Watson, C., Tregoning, P., Coleman, R., & Roberts, C. (2006). *Impact of Solid Earth Tides on the Assessment of Tide Gauge Stability*. Geophysical Research Letters, 33, L06311.
- Wdowinski, S., Bock, Y., Zhang, J., & Fang, P. (1997). *Southern California Permanent GPS Geodetic Array: Spatial Filtering of Daily Positions for Estimating Coseismic and Postseismic Displacements Induced by the 1992 Landers Earthquake*. Journal of Geophysical Research: Solid Earth, 102(B8), 18057–18070.
- Wells, D. E., et al. (1986). *Guide to GPS Positioning*. Canadian GPS Associates, Fredericton, New Brunswick, Canada.
- Werdiningsih, W. (2015). *Mapping and Assessing Land Deformation in Java Using Remote Sensing Techniques*. Jakarta: LAPAN.
- Wijaya, D. D., & Widyastuti, N. (2022). *Analisis Pemanfaatan Data GNSS untuk Penelitian Deformasi Tanah pada Daerah Gempa*. Yogyakarta.
- Wilkinson, L., & Coward, M. (2004). *Multivariate Data Analysis Using SPSS: A Comprehensive Guide for Researchers*. McGraw Hill.
- Wu, J., Zhao, C., & Yang, C. (2016). *Crustal Deformation of the North China Basin Detected by GPS and InSAR Measurements*. Journal of Geodynamics, 100, 77–87.
- Witchayangkoon, Boonsap. (2000). *Elemen of GPS Precise point positioning*. Thesis. University of Maine.
- Yovenia, D. (2021). *Analisis Batas Blok Sunda Di Pulau Jawa Berdasarkan Pengamatan GPS*. Thesis. Institut Teknologi Bandung. Bandung.

- Yule, D. (2000). *The 1833 Sumatra Earthquake*. Journal of Geophysical Research: Solid Earth, 105(B11), 25465–25481. <https://doi.org/10.1029/2000JB900190>
- Zumberge, J. F., Heflin, M. B., Jefferson, D. C., Watkins, M. M., & Webb, F. H. (1997). *Precise Point Positioning for the Efficient and Robust Analysis of GPS Data from Large Networks*. Journal of Geophysical Research: Solid Earth, 102(B3), 5005–5017.