

DAFTAR PUSTAKA

- Abidin, H. Z. (2007). Penentuan Posisi dengan GPS dan Aplikasinya. PT Pradnya Paramita.
- Abidin, H. Z. (2009). Deformasi Koseismik dan Pascaseismik Gempa Yogyakarta 2006 dari Hasil Survei GPS. *Indonesian Journal on Geoscience*, 4(4), 275–284. <https://doi.org/10.17014/ijog.vol4no4.20095>.
- Abidin, H. Z. (2021). Penentuan Posisi dengan GPS dan Aplikasinya. *Bandung: Penerbit ITB*.
- Abidin, H. Z., & Kahar, J. (2011). Survei dengan GPS. *Bandung: Penerbit ITB*.
- Alif, S. M., Fattah, E. I., & Kholil, M. (2020). Geodetic Slip Rate and Locking Depth of East Semangko Fault Derived from GPS Measurement. *Geodesy and Geodynamics*, 11(3), 222–228. <https://doi.org/10.1016/j.geog.2020.04.002>
- Allmendinger, R. W., Cardozo, N., & Fisher, D. M. (2011). Structural Geology Algorithms: Vectors and Tensors. *Cambridge University Press*.
- Altamimi, Z., Collilieux, X., Legrand, J., Garayt, B., & Boucher, C. (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), 1–19. <https://doi.org/10.1029/2007JB004949>.
- Altamimi, Zuheir, Collilieux, X., & Métivier, L. (2011). ITRF2008: An Improved Solution of The International Terrestrial Reference Frame. *Journal of Geodesy*, 85(8), 457–473. <https://doi.org/10.1007/s00190-011-0444-4>
- Altamimi, Z., Rebischung, P., Collilieux, X., Metivier, L., & Chanard, K. (2022). ITRF2020: Main Results and Key Performance Indicators. *EGU General Assembly 2022*, 5194.
- Anggriani, R. M., Pujiastuti, D., & Arisa, D. (2020). Analisis Deformasi Koseismik Gempa Mentawai 2008 Menggunakan Data GPS SuGAR. *Jurnal Fisika Unand*, 9(2), 150–155. <https://doi.org/10.25077/jfu.9.2.150-155.2020>
- Azis, R. A., Suhandri, H. F., & Wijaya, & D. D. (2018). Ketelitian Posisi Pengamatan GNSS Metode *Precise Point Positioning* dan Metode Penentuan Posisi Relatif. *ITB Indonesian Journal of Geospatial*, 05(2), 1–10.
- Badan Informasi Geospasial. (2023). Pengukuran Titik Pantau Geodinamika 2023.
- Bramanto, B., Gumilar, I., Kuntjro, W., Bramanto, B., Gumilar, I., & Kuntjoro, W. (2015). RT-PPP: Concept and Performace in Indonesia Region RT-PPP: Konsep dan Performa di Wilayah Indonesia. *FIT ISI*, (November).
- Collings, R., Lange, D., Rietbrock, A., Tilmann, F., Natawidjaja, D., Suwargadi, B., Miller, M., & Saul, J. (2012). Structure and Seismogenic Properties of The Mentawai Segment of The Sumatera Subduction Zone Revealed by Local Earthquake Traveltime Tomography. *Journal of Geophysical Research: Solid Earth*, 117(1), 1–23. <https://doi.org/10.1029/2011JB008469>

- Davis, G. H., Reynolds, S. J., & Kluth, C. F. (2011). *Structural Geology of Rocks and Regions*. John Wiley & Sons.
- El-Rabbany, A. (2002). *Introduction to GPS: The Global Positioning System*. Artech House. London.
- Fahrurrazi, D. (2011). *Sistem Acuan Geodetik dari Bigbang sampai Kerangka Acuan Terrestrial*. Gadjah Mada University Press.
- Fang, R., dkk. (2021). Improved Performance of GNSS Precise Point Positioning for High-rate Seismogeodesy with Recent BDS-3 and Galileo. *Advances in Space Research*. Vol. 68(8), hal. 3255–3267. <https://doi.org/10.1016/j.asr.2021.06.012>.
- Gao, Y., & Chen, K. (2004). Performance Analysis of Precise Point Positioning 56 Using Real-Time Orbit and Clock Products. *Journal of Global Positioning Systems*. Vol. 3(1&2), hal. 95–100. <https://doi.org/10.5081/jgps.3.1.95>
- Geng, J., Chen, X., Pan, Y., Mao, S., Li, C., Zhou, J., & Zhang, K. (2019). PRIDE PPP-AR: An Open-Source Software for GPS PPP Ambiguity Resolution. *GPS solutions*, 23, 1–10.
- Ghilani, C. D. (2010). *Adjustment Computation: Spatial Data Analysis* (5th ed.). John Wiley & Sons, Inc., Hoboken, New Jersey.
- Gunawan, E., & Widiyantoro, S. (2019). Active Tectonic Deformation in Java, Indonesia Inferred from a GPS-Derived Strain Rate. *Journal of Geodynamics*, 123(October 2018), 49–54. <https://doi.org/10.1016/j.jog.2019.01.004>
- Handoko, D., Widjadjanti, N., & Muslim, B., (2019). "Performa Metode *Precise Point Positioning* (PPP) dengan Koreksi Ionosfer Orde-1 pada Data Pengamatan Stasiun CORS BIG", *Jurnal "ELIPSOIDA"*, Vol. 2(2), hal. 78–84
- Janssen, V. (2009). Understanding Coordinate Systems, Datums and Transformations in Australia. January 2009, 697–715.
- Hartadi, J., Raharjo, S., & Alfiani, O. D. (2015). Pemodelan Tingkat Aktivitas Sesar Berdasarkan Analisis Deformasi Menggunakan Pengamatan GPS. *Seminar Nasional Kebumihan X – FTM – UPN "Veteran" Yogyakarta*, 158–164.
- Ilahi, R., Heliani, L. S., Lestari, D., Pratama, C., & Wibowo, S. T. (2019). Deformation Rate Variation Along Baribis Fault Based on Continuous Geodetic Observation. *Proceedings - 2019 5th International Conference on Science and Technology, ICST 2019*, 0–4. <https://doi.org/10.1109/ICST47872.2019.9166444>
- Khairi, A., Awaluddin, M., & Sudarsono, B. (2020). Analisis Deformasi Seismik Sesar Matano Menggunakan GNSS dan Interferometrik SAR. *Jurnal Geodesi Undip*, 9(2), 32–42.
- Koeswoyo, T. A. P. (2022). Monitoring Pergerakan Sesar Kendeng Berdasarkan Pengamatan GPS Kontinu di Jawa Timur Bagian Utara. *Institut Teknologi Sepuluh November*.
- Kouba, J., Lahaye, F., & Tétreault, P. (2017). Precise Point Positioning. *Springer Handbooks*. 723–751. https://doi.org/10.1007/978-3-319-42928-1_25
- 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>
- Krakiwsky, E. J., & Wells, D. E. (1971). *Coordinate Systems Used in Geodesy* (Nomor 2). University of New Brunswick.
- Kuncoro, H., Kartini, G. A. J., Meilano, I., & Susilo, S. (2019). Identifikasi Mekanisme Sesar di Bagian Timur Pulau Jawa dengan Menggunakan Data GNSS Kontinyu 2010-2016. *Seminar Nasional Geomatika*, 3(2), 805. <https://doi.org/10.24895/sng.2018.3-0.1069>
- 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>
- Malinowski, M., & Kwiecień, J. (2016). A Comparative Study of Precise Point Positioning (PPP) Accuracy Using Online Services. *Reports on Geodesy and Geoinformatics*, 102(1), 15–31. <https://doi.org/10.1515/rgg-2016-0025>
- Meilano, I., & Alif, S. M. (2020). Studi Slip Gempa Selat Sunda 2 Agustus 2019 dengan Magnitude 6,9 Berdasar Data GNSS. Skripsi. *Institut Teknologi Sumatera*.
- Mokodenseho, S., Hasrullah, Mokodompit, M., Salinsehe, J., & Papatungan, N. (2023). Analisis Geologis Gempa di Cianjur: Karakteristik Seismik, Zona Patahan, dan Peran Geologi dalam Penilaian Risiko Gempa. *Jurnal Geosains West Science*, 1(02), 96–104. <https://doi.org/10.58812/jgws.v1i02.420>
- Natawidjaja, D. H. (2018). Updating Active Fault Maps and Slip Rates Along the Sumatran Fault Zone, Indonesia. *IOP Conference Series: Earth and Environmental Science*, 118(1). <https://doi.org/10.1088/1755-1315/118/1/012001>
- Natawidjaja, D. H. (2021). Orasi Pengukuhan Profesor Riset Bidang Ilmu Kebumihan Riset Sesar Aktif Indonesia dan Peranannya Dalam Mitigasi Bencana Gempa Dan Tsunami. Dalam *LIPi Press, anggota Ikapi*.
- Natawidjaja, D. H., Bradley, K., Daryono, M. R., Aribowo, S., & Herrin, J. (2017). Late Quaternary Eruption of the Ranau Caldera and New Geological Slip Rates of the Sumatran Fault Zone in Southern Sumatera, Indonesia. *Geoscience Letters*, 4(1). <https://doi.org/10.1186/s40562-017-0087-2>
- Nugroho, T. (2013). Kadaster 4D: Sebuah Keniscayaan Menurut Kondisi Geologis Indonesia. *Bhumi: Jurnal Ilmiah Pertanahan*, No. 38 Tahun 12, 253–262.
- Nurusyifa, A. (2023). Analisis Deformasi Sesar Kendeng Berdasarkan Data Pengamatan GNSS CORS dengan Metode Pengolahan PPP Tahun 2017 s.d. 2021. Skripsi. Universitas Gadjah Mada.
- Pamungkas, T. P. (2023). Analisis Laju dan Arah Kecepatan Pergeseran Titik Pantau GNSS Campaign Sesar Semangko Berdasarkan Metode *Precise Point Positioning* (PPP) Tahun 2014 s.d. 2021. Skripsi. Universitas Gadjah Mada.
- Pradana, F. H. (2017). Aplikasi Metode *Spectral Decomposition* pada Data Gaya Berat Studi Kasus: Pemodelan Zona Subduksi Bagian Timur Pulau Jawa. Skripsi. Institut Teknologi Sepuluh Nopember.
- PrideLab. (2022). User Manual PRIDE PPP-AR II: Multi GNSS Precise Point Positioning with Ambiguity Resolution. *GNSS Research Center, Wuhan University*.

- Pusat Studi Gempa Nasional. (2017). Peta Sumber dan Bahaya Gempa Indonesia Tahun 2017. Dalam *Pusat Penelitian dan Pengembangan Perumahan dan Permukiman, Badan Penelitian dan Pengembangan, Kementerian Pekerjaan Umum dan Perumahan Rakyat, Jakarta*.
- Rafiq, M. (2023). Analisis Deformasi Pulau Jawa Bagian Timur. Skripsi. Institut Teknologi Sepuluh Nopember.
- Rahman, A. (2023). Pengaruh *Slip-Rate* dan Keberadaan *Zona Locking* Terhadap Kecepatan Interseismik. *4*(1), 29–34.
- Reyes, J.C., and Kalkan, E. (2012). Should Ground-Motion Records be Rotated to Fault-Normal/Parallel or Maximum Direction for Response History Analysis of Buildings: *U.S. Geological Survey Open-File Report 2012–1261*, 81 p. (Available at <http://pubs.usgs.gov/of/2012/1261/>.)
- Seeber, G. (2003). Seeber · Satellite Geodesy. *Encyclopedia of the Solar System* (2nd ed.). Hannover Germany: *Walter de Gruyter GmbH & Co. Retrieved from* <http://linkinghub.elsevier.com/retrieve/pii/B9780124158450000025>
- Sekarsari, A. (2021). Analisis Pengaruh Sesar Aktif terhadap Laju Pergeseran Indonesia *Continuously Operating Reference Station* (Ina-CORS) Wilayah Jawa Bagian Barat. Skripsi. Universitas Gadjah Mada.
- Sieh, K., & Natawidjaja, D. (2000). Neotectonics of the Sumateran fault, Indonesia. *Journal of Geophysical Research: Solid Earth*, *105*(B12), 28295–28326. <https://doi.org/10.1029/2000jb900120>
- Smith-Konter, B. R., Sandwell, D. T., & Shearer, P. (2011). Locking Depths Estimated from Geodesy and Seismology Along the San Andreas Fault System: Implications for Seismic Moment Release. *Journal of Geophysical Research: Solid Earth*, *116*(6), 1–12. <https://doi.org/10.1029/2010JB008117>
- Soehaimi, A. (2008). Seismotektonik dan Potensi Kegempaan Wilayah Jawa. *Indonesian Journal on Geoscience*, *3*(4), 227–240. <https://doi.org/10.17014/ijog.vol3no4.20085>
- Teunissen, P. J. G., & Montenbruck, O. (2017). Global Navigation Satellite Systems. in 106 *International Ocean Systems* (Vol. 18, Issue 6). *Springer International Publishing*. <https://doi.org/10.4324/9781315610139-12>.
- Ulma, T. (2021). Analisis Deformasi Kota Surabaya di Wilayah Sekitar Sesar Kendeng dengan Metode Ps-Insar. *Jurnal Geosaintek*, *7*(2), 55. <https://doi.org/10.12962/j25023659.v7i2.8582>
- Widjajanti, N. (2000). Analisis Geometrik Deformasi pada Kerangka Dasar Relatif. Jurnal i-lib UGM. <http://i-lib.ugm.ac.id/jurnal/download.php?dataId=3018abidin>
- Yusron, H., Yuwono, B. D., & Awaluddin, M. (2017). Perhitungan *Velocity Rate* CORS GNSS di Pulau Sulawesi. *Jurnal Geodesi Undip*, *6*(1), 110-117.
- Zakka, A. M. (2023). Analisis Laju dan Arah Pergeseran Titik Pantau Sesar Baribis Berdasarkan Data Pengamatan GNSS *Campaign* Menggunakan Metode PPP pada Tahun 2017 s.d. 2021. Skripsi. Universitas Gadjah Mada.