



DAFTAR PUSTAKA

- Abidin, H. Z. (2021). *Penentuan Posisi dengan GPS dan Aplikasinya* (E. Warsidi, Ed.; 1 ed.). ITB Press.
- Abidin, H. Z., Andreas, H., Kato, T., Ito, T., Meilano, I., Kimata, F., Natawidjaya, D. H., & Harjono, H. (2009). Crustal Deformation Studies in Java (Indonesia) Using GPS. *Journal of Earthquake and Tsunami*, 03(02), 77–88. <https://doi.org/10.1142/S1793431109000445>
- Affriani, A. (2016). *Deformasi Bendungan Sermo dengan Metode Parameter Bertahap dari Data Baseline Hasil Pengolahan GAMIT*. Universitas Gadjah Mada.
- 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). <https://doi.org/10.1186/s40562-024-00330-0>
- Altamimi, Z., Rebischung, P., Métivier, L., & Collilieux, X. (2016). ITRF2014: A New Release of The International Terrestrial Reference Frame Modeling Nonlinear Station Motions. *Journal of Geophysical Research: Solid Earth*, 121(8). <https://doi.org/10.1002/2016JB013098>
- Amarrohman, F. J., Nugraha, A. L., & Hutagalung, C. M. (2022). Analisis Deformasi Sesar Matano Menggunakan Data Ukuran GNSS Tahun 2018-2021. *Elipsoida : Jurnal Geodesi dan Geomatika*, 5(1). <https://doi.org/10.14710/elipsoida.2022.16558>
- 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>
- Artini, S. R. (2014). Penggunaan Titik Ikat GPS Regional Dalam Pendefinisian Stasiun Aktif GMU1 yang Diikatkan pada ITRF 2008. *PILAR Jurnal Teknik Sipil*, 10(2). www.gpsg.mit.edu.
- Badan Meteorologi Klimatologi dan Geofisika. (2018). *Katalog Gempabumi Signifikan dan Merusak 1821 - 2017* (M. Sadly, M. Riyadi, T. Prasetya, Daryono, S. Anugrah, Budiarta, U. Setiyono, I. Gunawan, Priyobudi, Yatimantoro, Hidayanti, S. Anggraini, R. H. Rahayu, D. S. Yogaswara, A. M. Julius, M. Apriyani, M. Harvan, & G. Simangunsong, Ed.; 1 ed., Vol. 1). Badan Meteorologi Klimatologi dan Geofisika.
- Daryono, M. R., Natawidjaja, D. H., Sapiie, B., & Cummins, P. (2019). Earthquake Geology of the Lembang Fault, West Java, Indonesia. *Tectonophysics*, 751, 180–191. <https://doi.org/10.1016/j.tecto.2018.12.014>
- Fadhilah, F. Z. (2019). *Pergeseran Stasiun Pemantauan Sesar Opak dengan Pengolahan Data GNSS Multitahun (2013 s.d. 2018) Mengacu pada ITRF2008 dan ITRF2014*. Universitas Gadjah Mada.
- Fowler, C. M. R. (2005). The Solid Earth: An Introduction to Global Geophysics. Dalam *The solid earth: an introduction to global geophysics*. <https://doi.org/10.1029/90eo00309>



Fuadi, F. Z., Kuncoro, H., Wibowo, S. T., & Rizqiansyah, A. (2020). *Slip Deficit Rates Estimation at Baribis Fault on 2016-2019 GPS Observations*.

Ghilani, C. D. (2010). *Adjustment Computation Spatial Data Analysis* (5 ed.). John Wiley & Sons.

Gunawan, E., & Widiyantoro, S. (2019). Active Tectonic Deformation in Java, Indonesia Inferred From a GPS-Derived Strain Rate. *Journal of Geodynamics*, 123, 49–54. <https://doi.org/10.1016/j.jog.2019.01.004>

Heliani, L. S., Pratama, C., Wibowo, A., Sahara, D. P., Ilahi, R., & Lestari, D. (2021). Long and Short Wavelength of Geodetic Strain Rate Tapering Earthquake Potential in Western Java. *IOP Conference Series: Earth and Environmental Science*, 731(1). <https://doi.org/10.1088/1755-1315/731/1/012003>

Herring, T. A., Floyd, M. A., King, R. W., McClusky, S. C., & Sciences, P. (2015). *Global Kalman Filter VLBI and GPS Analysis Program*. Department of Earth, Atmospheric, and Planetary Sciences Massachusetts Institute of Technology.

Herring, T. A., King, R. W., Floyd, M. A., & McClusky, S. C. (2018). *Introduction to GAMIT/GLOBK*. http://geoweb.mit.edu/gg/Intro_GG.pdf

Huo, Y., Gomaa, S. M. M. H., Zayed, T., & Meguid, M. (2023). Review of Analytical Methods for Stress and Deformation Analysis of Buried Water Pipes Considering Pipe-Soil Interaction. *Underground Space*, 13, 205–227. <https://doi.org/10.1016/J.UNDSP.2023.02.017>

IGS. (2023). *IGS - International GNSS Service*. <https://igs.org/>

Ilahi, R. (2019). *Analisis Deformasi Aspek Geometrik Berdasarkan Data Pengamatan GPS di Sekitar Sesar Baribis* [Universitas Gadjah Mada]. <https://etd.repository.ugm.ac.id/peneritian/detail/178369>

Ilahi, R., Heliani, L. S., & Lestari, D. (2019). Variasi Strain Di Sekitar Sesar Baribis Berdasarkan Data Pengamatan GPS Kontinyu (2016-2018). *Elipsoida*, 02(02), 63–70.

Johnson, C., Affolter, M. D., Inkenbrandt, P., & Mosher, C. (2017). *An Introduction to Geology*. Salt Lake Community College. <https://opengeology.org/textbook/>

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 Flip Partitioning. *Earth and Planetary Science Letters*, 458. <https://doi.org/10.1016/j.epsl.2016.10.039>

Koulali, A., Susilo, S., McClusky, S., Meilano, I., Cummins, P., Tregoning, P., Lister, G., Efendi, J., & Syafi'i, M. A. (2016). Crustal Strain Partitioning and The Associated Earthquake Hazard in The Eastern Sunda-Banda Arc. *Geophysical Research Letters*, 43(5), 1943–1949. <https://doi.org/10.1002/2016GL067941>

Kuncoro, H., Meilano, I., & Susilo, S. (2019). Sunda and Sumatra Block Motion in ITRF2008. *E3S Web of Conferences*, 94. <https://doi.org/10.1051/e3sconf/20199404006>

Leick, A., Rapoport, L., & Tatarnikov, D. (2015). *GPS Satellite Surveying* (4th ed.). John Wiley & Sons, Inc.



Lestari, D. (2006). *GPS Study Resolving the Stability of Borobudur Temple Site*. University of New South Wales.

Li, Y. (2021). Analysis of GAMIT/GLOBK in High-Precision GNSS Data Processing for Crustal Deformation. *Earthquake Research Advances*, 1(3). <https://doi.org/10.1016/j.eqrea.2021.100028>

Meilano, I., Abidin, H. Z., Andreas, H., Gumilar, I., Sarsito, D., Rahma, H., Rino, Harjono, H., Kato, T., Kimata, F., & Fukuda, Y. (2012). Slip Rate Estimation of The Lembang Fault West Java from Geodetic Observation. *Journal of Disaster Research*, 7(1), 12–18. <https://doi.org/10.20965/jdr.2012.p0012>

Metcalf, I. (2017). Tectonic Evolution of Sundaland. *Bulletin of the Geological Society of Malaysia*, 63, 27–60. <https://doi.org/10.7186/bgsm63201702>

Mulyani, A. S. (2023). Teknologi GNSS dalam Manajemen Gempabumi di Indonesia. *Teknik Rekayasa Teknik Sipil*, 4(1), 36–45.

Nugroho, K. F. (2019). Analysis of Sangihe Islands Movements Derived from Recent GPS Observation. *JGISE: Journal of Geospatial Information Science and Engineering*, 2(2). <https://doi.org/10.22146/jgise.51146>

Nur Lail, M. H., Safii, A. N., Awaluddin, M., & Wibowo, S. T. (2018). Strategi Pengolahan Pengamatan GPS Titik Deformasi dengan Menggunakan Titik Ikat CORS BIGS dan IGS. *GEOMATIKA*, 24(2), 89. <https://doi.org/10.24895/jig.2018.24-2.768>

Pamungkas, T. P. (2023). *Analisis Laju dan Arah Kecepatan Pergeseran Titik Pantau GNSS Campaign Sesar Semangko Berdasarkan Metode Precise Point Positioning (PPP) Tahun 2014 - 2021* [Universitas Gadjah Mada]. <https://etd.repository.ugm.ac.id/penelitian/detail/227380>

Prasetyaningsih, D. (2012). Partisipasi Indonesia dalam Pembahasan Sistem Satelit Navigasi Global (Global Navigation Satellite System) dalam Sidang UNCOPUOS. *Jurnal Berita Dirgantara*, 13(4), 121–130.

Pusat Studi Gempa Nasional. (2017). *Peta Sumber dan Bahaya Gempa Indonesia Tahun 2017* (M. Irsyam, S. Widiyantoro, D. H. Natawidjaja, I. Meilano, A. Rusdyanto, S. Hidayati, W. Triyoso, N. R. Hanifa, D. Djarwadi, L. Faizal, & Sunarjito, Ed.; 1 ed.). Kementerian Pekerjaan Umum dan Perumahan Rakyat.

Rakhimberdieva, M., Makhmudov, M., Fazilova, D., & Magdiev, K. (2023). Processing of GNSS Data in GAMIT/GBLOBK: on the Example of the Reference Stations of the Uzbekistan Network. *E3S Web of Conferences*, 386. <https://doi.org/10.1051/e3sconf/202338604005>

Riastama, C. N., Anjasmara, I. M., & Kurniawan, A. (2022). Pemanfaatan Data GPS Tahun 2017-2020 untuk Monitoring Aktivitas Sesar Kendeng di Kota Surabaya. *Jurnal Geoid*, 17(2). <https://doi.org/10.12962/j24423998.v17i2.7413>

Ridwan, M., Rusli, M., Sarumpaet, E. R., Ridwan, M., Rolando, E., Direktorat, S., Permukiman, B. T., Perumahan, D., Cipta, J., Kementerian, K., Umum, P., Rakyat, P., Panyawungan, J., Wetan, C., & Bandung, K. (2021). Karakteristik Site di Lokasi Stasiun Monitoring Site Characterization in the Location of Earthquake Monitoring Stations on the Predicted Baribis Fault Line. *Jurnal Permukiman*, 16, 1–9.



- Sarsito, D. A., Susilo, susilo, Pradipta, D., & Andreas, H. (2019). Kontribusi Pengamatan Geodesi Modern Dalam Memahami Dinamika Tektonik di Indonesia: Estimasi Kutub Euler Lempeng Minor Sunda. *Bulletin of Geology*, 3(1), 320–327. <https://doi.org/10.5614/bull.geol.2019.3.1.5>
- Sekarsari, A. (2021). *Analisis Pengaruh Sesar Aktif Terhadap Laju Pergeseran Indonesia Continously Operating Reference Station (INA-CORS) Wilayah Jawa Bagian Barat* [Universitas Gadjah Mada]. <https://etd.repository.ugm.ac.id/penelitian/detail/201268>
- Shukla, S., Maurya, V. K., & Dwivedi, R. (2023). Comparative Analysis of PWV Using Gamit and Pride PPP-AR. *2023 IEEE India Geoscience and Remote Sensing Symposium (InGARSS)*, 1–4. <https://doi.org/10.1109/InGARSS59135.2023.10490390>
- Simandjuntak, T. O., & Barber, A. J. (1996). Contrasting tectonic styles in the Neogene orogenic belts of Indonesia. *Geological Society, London, Special Publications*, 106(1), 185–201. <https://doi.org/10.1144/GSL.SP.1996.106.01.12>
- Supendi, P., Nugraha, A. D., Puspito, N. T., Widiyantoro, S., & Daryono, D. (2018). Identification of Active Faults in West Java, Indonesia, Based on Earthquake Hypocenter Determination, Relocation, and Focal Mechanism Analysis. *Geoscience Letters*, 5(1), 31. <https://doi.org/10.1186/s40562-018-0130-y>
- Susilo, S., Meilano, I., Abidin, H. Z., & Sapiie, B. (2015). *A New Definition of Sunda Block Rotation Model*. <https://www.researchgate.net/publication/323336286>
- Ulinnuha, H., Lestari, D., Widjajanti, N., Pratama, C., Sophia Heliani, L., & Tresna Novianti, S. (2022). Estimasi Potensi Gempa Tektonik di Wilayah Sesar Opak Berdasarkan Data Pengamatan GPS Estimation of Potential Tectonic Earthquake in the Opak Fault Area Based on GPS Observation Data. *Jurnal Geoid*, 18(2), 9–19.
- USGS. (1999). *Understanding Plate Motion*. USGS. <https://pubs.usgs.gov/gip/dynamic/Vigil.html>
- Xiao, Y., Yao, M. H., Tang, S. H., Liu, H. F., Xing, P. W., & Zhang, Y. (2020). Data Quality Check and Visual Analysis of CORS Station Based on Anubis Software. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives*, 42(3/W10), 1295–1300. <https://doi.org/10.5194/isprs-archives-XLII-3-W10-1295-2020>
- Yulaikhah, Y., Pramumijoyo, S., & Widjajanti, N. (2018). Correlation of GNSS Observation Data Quality Resulted from TEQC Checking and Coordinate's Precision. *JGISE: Journal of Geospatial Information Science and Engineering*, 1(1). <https://doi.org/10.22146/jgise.38387>
- 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* [Universitas Gadjah Mada]. <https://etd.repository.ugm.ac.id/penelitian/detail/227453>