

DAFTAR PUSTAKA

- Abidin, H. Z. (2021). *Penentuan Posisi dengan GPS dan Aplikasinya* (E. Warsidi (ed.); Issue June).
- 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>
- Azmi, A. N. (2016). Study Observation of Tectonic Strain Using Sugar Data (Sumatran GPS Array) (Case Study: The Earthquake of West Sumatra in 2009). In *Institut Teknologi Sepuluh Nopember*.
- Barber, A. J., Crow, M. J., & Milsom, J. S. (2005). *Sumatra: Geology, Resources and Tectonic Evolution*. The Geological Society.
- Bossler, J. D. (2002). *Manual of Geospatial Science And Technology* (J. R.Jensen, R. B. McMaster, & C. Rizos (eds.); First Publ). Taylor & Francis.
- Cai, G., Chen, B. M., & Lee, T. H. (2011). Coordinate Systems and Transformations 2.1 Introduction 2.2 Coordinate Systems. *Unmanned Rotorcraft Systems*, 23–34. <https://doi.org/10.1007/978-0-85729-635-1>
- Chrzanowski, A., Chen, Y. Q., & J.M.Secord. (1986). *Geometrical Analysis of Deformation Surveys*. Massachusetts Institute of Technology.
- Earl F. B. (2017). *The 3D Global Spatial Data Model : Principles and Applications* (C. Press (ed.); Second edi). Taylor and Francis Group.
- Efendi, J., Prijatna, K., & Meilano, I. (2018). Analisis Pergeseran Koseismik Gempa Sianok Tahun 2007 Berdasarkan Data Pengamatan GPS Tahun 1993-2007 dan Efek terhadap SRGI 2013. *2018(1)*, 1–18.
- Freymueller, J. (2017). *Global Navigation Satellite Systems*. 1063–1106. https://doi.org/https://doi.org/10.1007/978-3-319-42928-1_37
- Geng, J., Lin, J., Zeng, J., Li, W., & Zhang, Q. (2023). PRIDE PPP-AR: an open-source scientific software with all-frequency PPP ambiguity resolution for geodesy , geophysics and photogrammetry applications. *EGU General Assembly 2023*, 5194.

- Ghilani, C. D. (2010). Adjustment Computations. In *Adjustment Computations*.
<https://doi.org/10.1002/9781119390664>
- Guiñón, J. L., Ortega, E., García-Antón, J., & Pérez-herranz, V. (2007). Moving Average and Savitzki-Golay Smoothing Filters Using Mathcad. *International Conference on Engineering Education*, 1, 1–4.
<http://academic.research.microsoft.com/Paper/12119855.aspx>
- Hackl, M., Malservisi, R., & Wdowinski, S. (2009). Strain Rate Patterns From Dense GPS Networks. *Natural Hazards and Earth System Science*, 9(4), 1177–1187.
<https://doi.org/10.5194/nhess-9-1177-2009>
- Hofmann-Wellenhof, B., Lichtenegger, H., & Wasle, E. (2008). *GNSS-Global Navigation Satellite Systems*.
- Hutapea, B. M., & Mangape, I. (2009). Analisis Hazard Gempa dan Usulan Ground Motion pada Batuan Dasar untuk Kota Jakarta. *Jurnal Teknik Sipil*, 16(3), 121.
<https://doi.org/10.5614/jts.2009.16.3.2>
- Isnaini, E. L. (2019). *Deteksi Siklus Gempa Menggunakan Data CORS GNSS dengan Metode PPP (Studi Kasus : Sesar Anjak Kendeng)*.
- Jain, S. (2014). Fundamentals of Physical Geology. In *Fundamentals of Physical Geology*.
<https://doi.org/10.1007/978-81-322-1539-4>
- Johnson, C., Affolter, M. D., Inkenbrandt, P., & Mosher, C. (2017). An Introduction to Geology. In *American Midland Naturalist* (Vol. 13, Issue 5). Salt Lake Community College. <https://doi.org/10.2307/2420180>
- Kaplan, E. D., & Hegarty, C. J. (2006). *Understanding GPS. Principles and Applications* (Second Edi). ARTECH HOUSE, INC.
- Krakiwsky, E. J., & Wells, D. E. (1971). *Coordinate Systems In Geodesy* (Issue 2). Department of Geodesy and Geomatics Engineering.
- Leick, A. (2004). GPS Satellite Surveying (Third Edition). In *Surveying*.
- Lestari, D. (2006). *GPS Study for Resolving the Stability of Borobudur Temple Site*. 168.
<https://doi.org/http://dx.doi.org/https://doi.org/10.26190/unsworks/19884>

- Maiyudi, R., Meilano, I., & Sarsito, D. (2017). Akumulasi Regangan di Sumatera Berdasarkan Data Pengamatan GPS Tahun 2002-2008 dan Dampak Kerusakan Lingkungan Akibat Pelepasan Regangan. *Jurnal Rekayasa Hijau*, 1(2), 89–99. <https://doi.org/10.26760/jrh.v1i2.1630>
- Mauradhia, A., Anjasmara, I. M., Geomatika, D. T., Teknologi, I., & Nopember, S. (2019). Analisis Deformasi Berdasarkan Pergeseran Titik Pengamatan GPS di Kota Surabaya. 8(2), 213–218.
- McCaffrey, R. (2009). The Tectonic Framework of the Sumatran Subduction Zone. *Annual Review of Earth and Planetary Sciences*, 37(September), 345–366. <https://doi.org/10.1146/annurev.earth.031208.100212>
- Natawidjaja, D. H. (2007). The Sumatran Fault Zone — from Source to Hazard. *Journal of Earthquake and Tsunami*, 1, 21–47.
- Novianti, S. T. (2020). *Analisis Deformasi di Wilayah Jawa Bagian Tengah Berdasarkan Pengamatan GNSS Kontinu Untuk Identifikasi Sesar*. Universitas Gadjah Mada.
- Nur Safi'i, A., & Ardhisari Lumban-Gaol, Y. (2016). *Tectonic Deformation Monitoring in West Sumatra using BIG CORS Data*. 4, 317–323. <https://doi.org/10.21063/ictis.2016.1050>
- Nursyifa, A. (2023). *Analisis Deformasi Sesar Kendeng Berdasarkan Data Pengamatan GNSS CORS dengan Metode Pengolahan PPP Tahun 2017 s.d. 2021* (A. Nursyifa (ed.)). Universitas Gadjah Mada.
- Ogundare, J. O. (2015). *Instructor of Geomatics Engineering*. John Wiley & Sons, Inc., Hoboken, New Jersey.
- Pikridas, C., Bitharis, S., Fotiou, A., Rossikopoulos, D., Katsougiannopoulos, S., Spanakaki, K., & Karolos, I. (2016). Monitoring Seismic Displacements Using Gns Data With Ppp Method. *Bulletin of the Geological Society of Greece*, 50(3), 1563. <https://doi.org/10.12681/bgsg.11870>
- Pollard, D. D., & Martel, S. J. (2020). Scope of Structural Geology. In *Structural Geology: A Quantitative Introduction* (pp. 3–22). <https://doi.org/10.1017/9781139547222.005>
- Putri, E., Pujiastuti, D., & Kurniawati, I. (2016). Analisis Karakteristik Prakiraan

- Berakhirnya Gempa Susulan pada Segmen Aceh dan Segmen Sianok (Studi Kasus Gempa 2 Juli 2013 dan 11 September 2014). *Jurnal Fisika Unand*, 5(1), 73–77. <http://jfu.fmipa.unand.ac.id/index.php/jfu/article/view/190>
- Raharjo, F. D. (2022). *Rentetan 3 (Tiga) Gempabumi Dirasakan di Sekitar Sesar Aktif Segmen Sianok Tanggal 15 Juli 2022 dengan Magnitudo 3.9, 3.0 dan 2.6*. 3, 1–8.
- Santi, E., Rahmadi, E., & Fadly, R. (2021). Analisis Pergeseran Dan Regangan Selat Sunda Berdasarkan Data Cors Big Tahun 2017-2019. *DATUM: Journal of Geodesy and Geomatics*, 1(2), hal. 31-42.
- Shan-long Kuang. (1996). Geodetic network analysis and optimal design: concepts and applications. In *Geodetic network analysis and optimal design: concepts and applications*. University of New Brunswick.
- 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>
- Sieh, K., & Natawidjaja, D. (2000). Neotectonics of the Sumatran Fault, Indonesia. *Journal of Geophysical Research: Solid Earth*, 105(B12), 28295–28326. <https://doi.org/10.1029/2000jb900120>
- Sinaga, S. S., Awaluddin, M., & Sabri, L. M. (2020). Analisis Deformasi Koseismik Gempa Nias 3 Juni 2019 Menggunakan Data CORS BIG dan SuGAR. *Jurnal Geodesi Undip*, 9(4), 12–21.
- Soler, T., & Hothem, L. D. (1988). *Coordinate Systems Used In Geodesy: Basic Definitions And Concepts*. 114(2), 84–97.
- Turner, J. (2002). Geodynamics (Edisi 2). *Geological Magazine*, 139(6), 719–723. <https://doi.org/10.1017/s0016756802217239>
- Ulinuha, H., Sunantyo, A., & Widjajanti, N. (2018). Analysis of the July 10th 2013 Tectonic Earthquake Effect on the Coordinates Changes of Mentawai Segment Monitoring Station. *JGISE: Journal of Geospatial Information Science and Engineering*, 1(2), 51–57. <https://doi.org/10.22146/jgise.39350>
- Wahyono, E. B., & Suhattanto, M. A. (2019). Survey Satelit Pertanahan. In *JMTS: Jurnal*

Mitra Teknik Sipil (Vol. 2, Issue 2). <https://doi.org/10.24912/jmts.v2i2.8798>

- Warman, D. M., Driptufany, D. M., & Arini, D. (2023). *Pemantauan Deformasi Pulau Sumatra Berdasarkan Survey GNSS Stasiun Sumatran GPS Array (SUGAR), INACORS, DAN IGS (International GNSS Service) Tahun 2018-2022*. 2(1), 28–34.
- Widjajanti, N., Pratama, C., Parseno, Sunantyo, T. A., Heliani, L. S., Ma'ruf, B., Atunggal, D., Lestari, D., Ulinnuha, H., Pinasti, A., & Umami, 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>
- Widodo, S. (2010). Analisis Tegangan dan Regangan Identifikasi Kekuatan Bahan. *Jurnal Ilmiah*, 1, 4–15.
- Wijanarto, A., Geospasial, S., & Abidin, H. Z. (2019). InaCORS BIG: Satu Referensi Pemetaan Indonesia. In *Badan Informasi Geospasial* (Issue January). <https://doi.org/10.13140/RG.2.2.28041.70248>
- 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>
- Wulandari, R., Yudistira, T., Fattah, E. I., Aulia, A. N., Geofisika, T., Teknik, J., Sumatera, I. T., & Terusan, J. (2017). *Pemodelan Struktur Kecepatan 3D Gelombang Seismik Daerah Sumatera Barat Menggunakan Data Gempa Bumi Januari 2010-Desember 2017*.
- Xin, J., Zhou, J., Yang, S. X., Li, X., & Wang, Y. (2018). Bridge Structure Deformation Prediction Based on GNSS Data Using Kalman-ARIMA-GARCH Model. *Sensors (Switzerland)*, 18(1). <https://doi.org/10.3390/s18010298>
- Yeats, R. S., Sieh, K., & Allen, C. R. (1997). The Geology of Earthquakes. *Seismological Research Letters*, 68(5), 778–779. <https://doi.org/10.1785/gssrl.68.5.778>
- Yigit, C. ozer. (2016). Experimental Assessment of Post-processed Kinematic Precise Point Positioning Method for Structural Health Monitoring. *Geomatics, Natural Hazards and*

Risk, 7(1), 360–383. <https://doi.org/10.1080/19475705.2014.917724>

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), 8–13. <https://doi.org/10.22146/jgise.38387>

Zaki, M., & Saiman, S. (2021). Kajian Tentang Perumusan Hipotesis Statistik Dalam Pengujian Hipotesis Penelitian. *Jiip - Jurnal Ilmiah Ilmu Pendidikan*, 4(2), 115–118. <https://doi.org/10.54371/jiip.v4i2.216>

Zulharbi, Firdaus, & Antonisfia, Y. (2014). Implementasi Moving Average Filter pada Mikrokontroler sebagai Peredam Noise Sensor Piezo Elektrik untuk Mendeteksi Gelombang Seismik (Gempa Bumi). *Prosiding Semnastek, PROSIDING SEMNASTEK 2014*, 1–8. <http://jurnal.ftumj.ac.id/index.php/semnastek/article/view/300>

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. <https://doi.org/10.1029/96jb03860>