

## DAFTAR PUSTAKA

- 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., Collilieux, X., & Métivier, L. (2012). ITRF2008: An Improved Solution of the International Terrestrial Reference Frame. *Journal of Geodesy*, 86(8), 635–652. <https://doi.org/10.1007/s00190-011-0444-4>
- Argus, D. F., Gordon, R. G., dan DeMets, C., (2011). Geologically Current Motion of 56 Plates Relative to the No-net-rotation Reference Frame, *Geochemistry, Geophysics, Geosystems*, September, 2011.
- Bakara., J. (2011). Perkembangan Sistem Satelit Navigasi Global dan Aplikasinya. *Jurnal Lapan*, [http://jurnal.lapan.go.id/index.php/berita\\_dirgantara/article/download/1649/1487](http://jurnal.lapan.go.id/index.php/berita_dirgantara/article/download/1649/1487).
- Bradley, K. E., L. Feng, E. M. Hill, D. H. Natawidjaja, dan Sieh, K. (2017). *Implications of the Diffuse Deformation of the Indian Ocean Lithosphere for Slip Partitioning of Oblique Plate Convergence in Sumatra*, *Journal of Geophysical Research*. <https://agupubs.onlinelibrary.wiley.com/doi/epdf/10.1002/2016JB013549>.
- Bose, S., Schellart, W. P., Strak, V., Duarte, J. C., dan Chen, Z. (2023). Sunda Subduction Drives on Geoing India-Asia Convergence. *Tectonophysics*, 849, 229727. <https://doi.org/10.1016/j.tecto.2023.229727>.
- DeMets, C., Gordon, R. G., dan Argus, D. F. (2010). Geologically Current Plate Motion, *Geophysical Journal International*, Vol. 181, No. 1, 180, doi: 10.1111/j.1365-246X.2009.04491.x.
- Dira, A., Sulaiman, A., Saputra, A., & Santosa, B. (2023). Analisis Pergerakan Lempeng Tektonik di Pulau Sumatra Menggunakan Data CORS dan SuGAR. *Jurnal Geodesi Indonesia*, 12(2), 85–97.
- Effendi, A. J. (2024). *Geodesi Gempabumi: Memahami Sumber Gempa Mengurangi Risiko Bencana*. ITB Press. <https://fgb.itb.ac.id/wpcontent/uploads/sites/26/2016/08/Ebook-Prof.-Irwan-Meilano-Geodesi-GempabumiMemahami-Sumber-Gempa-Mengurangi-Risiko-Bencana.pdf>.

- Ehigiator-Irughe, R., Ehiorobo, J. O., dan Ehigiator, M. O. (2014). Prediction of Dam Deformation using Kalman Filter Technique. *FIG Congress 2014 Engaging the Challenges-Enhancing the Relevance*, June, 1–14.
- Fauzi, M. A., dan Heliani, L. S. (2020). Perbandingan Pergerakan Titik Pantau Deformasi Kepulauan Sangihe Menggunakan Metode Perhitungan Periodik dan Simultan Berdasarkan Data GNSS Tahun 2014, 2015, dan 2016. *JGISE: Journal of Geospatial Information Science and Engineering*, 3(1), 28. <https://doi.org/10.22146/jgise.53068>.
- Feigl, K. L., R. W. King, dan T. H. Jordan. (1990). *Geodetic Measurement of Tectonic Deformation in the Santa Maria Fold and Thrust Belt*, *Journal of Geophysical Research*, 95(B3), 2679–2699.
- Ghilani, C. D. (2010). *Adjustment Computations: Spatial Data Analysis*, 5<sup>th</sup> Edition.
- Golubinka I., Kramarenko S., Lompas O., dan Marchenko M. (2017). *Toward Geodynamics Studies and GNSS CORS Measurement: West Ukrainian GNSS Network Data Processing using Bernese V5.2 Software*. *International Youth Science Forum*. Litteris ET Artibus, 23–25 November 2017, LVIV, Ukraine 201.
- Heliani, L. S., Pratama, C., Wibowo, A., Sahara, D. P., Susilo, S., Wibowo, S. T., Safi'i, A. N., Prayoga, O., Sudrajat, A., Fuady Bisri, M. B., Kurniasari, E. D., Evelinda, S., dan Setiawan Gunawan, N. G. (2024). Strain Accumulation in the Mentawai Forearc Sliver, Indonesia, Inferred from Continuous GNSS-derived Strain Rate. *Geodesy and Geodynamics*, xxxx. <https://doi.org/10.1016/j.geog.2024.04.003>.
- Herring, T. A., King, R. W., Floyd, M. A., dan McClusky, S. C. (2018). *GAMIT Reference Manual Release 10.7*. Massachusetts Institute of Technological, Cambridge, Massachusetts. (Issue June). [http://geoweb.mit.edu/gg/docs/GAMIT\\_Ref.pdf](http://geoweb.mit.edu/gg/docs/GAMIT_Ref.pdf).
- Herring, T. A., King, R. W., McClusky, S. C., dan Sciences, P. (2018). *Introduction to GAMIT/GLOBK* (Issue June 2015).
- Hall, R. dan Morley, C., K. (2004). Sundaland Basins, in *Continent-Ocean Interactions Within East Asian Marginal Seas* (Edisi P. Clift, W. Kuhnt, P. Wang and D. Hayes), *American Geophysical Union*, Washington, D. C., doi:10.1029/149GM04.
- Kaplan, E. & Hegarty, C. (2017). *Understanding GPS/GNSS: Principles and Applications*, 3<sup>rd</sup> Edition, Artech House Publishers, London.
- Kuncoro, H. (2013). Methodology of Euler Rotation Parameter Estimation using GPS Observation Data Metodologi Pengestimasian Parameter Rotasi Euler dengan

- Menggunakan Data Pengamatan GPS. *Indonesian Journal of Geospatial*, 1(2), 42–55.
- Kreemer, C., Holt, W. E., dan Haines, A. J. (2003). *An Integrated Global Model of Present-Day Plate Motions and Plate Boundary Deformation*. *Geophysical Journal International*, 154(1), 8-34. <https://doi.org/10.1046/j.1365-246X.2003.01917.x>.
- Kreemer, C., Blewitt, G., & Klein, E. C. (2014). A Geodetic Plate Motion and Global Strain Rate Model. *Geochemistry, Geophysics, Geosystems*, 15(10), 3849–3889. <https://doi.org/10.1002/2014GC005407>
- Leick, A. (2004). *GPS Satellite Surveying*. in *Surveying*, 3<sup>rd</sup> Edition. John Wiley & Sons.
- Li, C., van Hinsbergen, D. J. J., & Torsvik, T. H. (2018). Microplate Tectonics: New Insights into Plate Kinematics and Continental Deformation. *Earth-Science Reviews*, 186, 94–119.
- Lestari, D. (2006). GPS Study for Resolving the Stability of Borobudur Temple Site. *The University of New South Wales*. <https://doi.org/https://doi.org/10.26190/unsworks/19884>
- Maurer, J. dan Materna, K. (2023). Quantification of Geodetic Strain Rate Uncertainties and Implications for Seismic Hazard Estimates. *Geophysical Journal International*, 234(3), 2128–2142. <https://doi.org/10.1093/gji/ggad191>
- Mustafar, M., Omar, K.M., Abdullah, K., & Rosli, R. (2017). Tectonic Motion and Strain Accumulation in Malaysia Peninsula derived from GPS Observation. *Earth, Planets and Space*, 69, 103.
- Nur M H., Awaluddin M., dan Sasmito B. (2018). Hitungan Pergeseran Titik Pengamatan Deformasi dengan GPS Menggunakan Titik Regional dan Global. *Jurnal Geodesi UNDIP*.
- Odiijk, D. (2017). Positioning Model. *Springer EBooks*, 605–638. [https://doi.org/10.1007/978-3-319-42928-1\\_21](https://doi.org/10.1007/978-3-319-42928-1_21)
- Panuntun, H. (2012). Pengaruh Penggunaan Titik Ikat GPS untuk Penentuan Posisi Offshore Platform. Gadjah Mada, Yogyakarta.
- Pusat Studi Gempa Nasional. (2017). Peta Sumber Bahaya Gempa Indonesia Tahun 2027. Bandung: Badan Penelitian dan Pengembangan.
- Rahmad, A. A., Cahyadi, M. N., & Sulistiyani, S. (2016). Analisa Pengolahan Data Titik GPS CORS Gunung Merapi Menggunakan Perangkat Lunak Ilmiah

GAMIT/GLOBK 10.6. *Jurnal Teknik ITS*, 5(2).  
<https://doi.org/10.12962/j23373539.v5i2.17230>

- Ramadhan M R., Yuwono B D., dan Amarrohman F J. (2019). Penentuan Posisi dan Pergeseran Titik CORS UNDIP Berdasarkan Pengamatan CORS Terikat IGS pada Tahun 2015, 2016, dan 2017. *Jurnal Geodesi UNDIP*.
- Rianandra., Arsali., dan Bama A.A. (2015). Studi Perbandingan Penentuan Posisi Geografis Berdasarkan Pengukuran dengan GPS (*Global Positioning System*), Peta Google Earth, dan Navigasi.Net. *Jurnal Penelitian Sains*, Vol. 17, No2 Mei 2015.
- Salsabila, D., Rahmadi, D., & Fadly, A. (2021). Analisis Parameter Regangan dari Data GNSS di Pulau Jawa. *Jurnal Geodesi Indonesia*, 11(1), 34–44.
- Saputra R., Awaluddin M., dan Yuwono B D. (2017). Analisis Deformasi di Wilayah Jawa Timur dengan Menggunakan CORS BIG. *Jurnal Geodesi UNDIP*.
- Setyawan, A. (2015). Penentuan Posisi Menggunakan Layanan GPS *Online Post-processing*. Pusat Jaring Kontrol Geodesi dan Geodinamika, Badan Informasi Geospasial. *Seminar Nasional SPI ke-2 Tahun 2015*.
- Shen, Z. K., Jackson, D. D., dan Ge, B. X. (1996). Crustal Deformation Across and Beyond the Los Angeles Basin from Geodetic Measurements. *Journal of Geophysical Research: Solid Earth*, 101(12), 27957–27980.  
<https://doi.org/10.1029/96jb02544>.
- 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>.
- Sinaga S., Awaludin M., dan Sabri, L M. (2020). Analisis Deformasi Koseismik Gempa Nias 3 Juni 2019 Menggunakan Data CORS dan SuGAR. *Jurnal Geodesi UNDIP*.
- Simons, W.J.F., Socquet, A., Vigny, C., Ambrosius, B.A.C., Abu, S.H., Promthong, C., Subarya, C., Sarsito, D.A., Matheussen, S., Morgan, P., dan Spakman, W. (2007). A Decade of GPS in Southeast Asia: Resolving SundaLand Motion and Boundaries, *Journal of Geophysical Research*, 112, B06420, doi:10.1029/2005JB003868.  
<https://agupubs.onlinelibrary.wiley.com/doi/pdf/10.1029/2005JB003868>
- Socquet, A., C. Vigny, N., Chamot-Rooke, W., Simons, C., Rangin, dan B. Ambrosius. (2006). India and Sunda Plates Motion and Deformation along Their Boundary in Myanmar Determined by GPS, 111, B05406, doi:10.1029/2005JB003877.

- Susilo, Kuncoro, H., dan Meilano, I. (2019). Sunda and Sumatra Block Motion in ITRF2008. *E3S Web of Conferences* 94, 04006. <https://doi.org/10.1051/e3sconf/20199404006>.
- Verstappen, H. T. (2010). Indonesian Landforms and Plate Tectonics. The International Institute for Geo-Information Science and Earth Observation (ITC), Enschede, the Netherlands, Mozartlaan 188, 7522HS. *Jurnal Geologi Indonesia*, Vol. 5 No. 3 September 2010, 197-207.
- Warman, D. M., Driptufany, D. M., Arini, D., Defwaldi., Fikri, S., dan Susilo. (2023). Pemantauan Deformasi Pulau Sumatra Berdasarkan Survey GNSS Titik Sumatran GPS Array (SuGAR), Ina-CORS, dan IGS (International GNSS Service) Tahun 2018-2022. *Jurnal Teknik, Komputer, Agroteknologi dan Sains*, Vol. 2, No. 1, Juni (2023), IPage 28-34 P-ISSN (2830-2427) & E-ISSN (2830-2419).
- Warman, A., Prakoso, D., & Sulaiman, A. (2023). Pemetaan Vektor Kecepatan dan Deformasi Blok Tektonik di Wilayah Papua Barat. *Jurnal Geodinamika*, 6(2), 110–123.
- Wolf, P.R. dan Ghilani, C. D. (1997). *Adjustment and Computation, Statistics and Least Squares in Surveying and GIS*, John Wiley and Sons Inc., New York.
- Yanita, S., Rachman, A., & Lestari, R. (2019). Pemanfaatan InSAR untuk Mendeteksi Deformasi Permukaan di Zona Aktif Tektonik Indonesia. *Jurnal Geografi dan Geologi*, 11(3), 99–108.
- Yong, R. E., Abdullah, K., Mustafar, M., Omar, K. M., & Yahya, A. (2017). Velocity Field and Crustal Deformation of Peninsular Malaysia from Homogeneous Solution of Continuous GPS Network. *Geodesy and Geodynamics*, 8(1), 51–59.