

## DAFTAR PUSTAKA

- Abidin, H. Z., Andreas, H., Meilano, I., Gamal, M., Gumilar, I., & Abdullah, C. I. (2009). Deformasi Koseismik dan Pascaseismik Gempa Yogyakarta 2006 dari Hasil Survei GPS (*Coseismic and Postseismic Deformation of the 2006 Yogyakarta Earthquake from GPS Survey Results*). *Jurnal Geologi Indonesia*, 4(4), 275–284.
- Adewumi, A., & Ibraheem Abiodun, A. (2021). a Review of Global Navigation Satellite Systems (Gnss) and Its Applications. *International Journal of Scientific and Engineering Research*, 12(April 2021), 1042–1049.
- 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>.
- Andreas, H., Sarsito, D. A., Irwan, M., Abidin, H. Z., Darmawan, D., & Gamal, M. (2013). Implikasi *Coseismic* dan Post-Seismic Horizontal *Displacement* Gempa Aceh 2004 Terhadap Status Geometrik Data Spasial Wilayah Aceh dan Sekitarnya. In Hasanuddin Z. Abidin on. <https://www.researchgate.net/publication/241603216>.
- 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>.
- Azhari, M.F., Karyanto, Rasimeng, S., & Mulyanto, B.S. (2020). Analisis Deformasi Permukaan Menggunakan Metode DInSAR (Differential Interferometry Synthetic Aperture Radar) pada Studi Kasus Gempabumi Lombok Periode Periode Agustus 2018. *Jurnal Geofisika Eksplorasi*, 6(2). 131–144.
- Canaslan, F dan Aydin USTUN. (2012). Impact of Perpendicular and Temporal Baseline Characteristics on InSAR Coherence Maps. *Proceeding of FIG Working Week*. Rome, Italy, 6-10 May. TS05H - Remote Sensing I, 5767.
- Chen, Y., Zhang, G., Ding, X., & Li, Z. (2000). Monitoring Earth Surface Deformations with InSAR Technology: Principles and Some Critical Issues. *Journal of Geospatial Engineering*, 2(July), 3–21.
- ElGharbawi, T., & Tamura, M. (2015). *Coseismic* and Postseismic Deformation Estimation of the 2011 Tohoku Earthquake in Kanto Region, Japan, Using InSAR Time Series Analysis and GPS. *Remote Sensing of Environment*, 168, 374–387. <https://doi.org/10.1016/j.rse.2015.07.016>.
- Feng, L., E. M. Hill, P. Banerjee, I. Hermawan, L. L. H. Tsang, D. H. Natawidjaja, B. W. Suwargadi, and K. Sieh. (2015). A unified GPS-based earthquake catalog for the Sumatran plate boundary between 2002 and 2013. *J. Geophys. Res. Solid Earth*, 120, 3566–3598. doi: [10.1002/2014JB011661](https://doi.org/10.1002/2014JB011661).
- Ferretti, A., Monti-Guarnieri A., Prati, C., Rocca, F., Massonnet, D. (2007). *InSAR Principles: Guidelines for SAR Interferometry Processing and Interpretation*. ESA Publications, TM-19. ISBN 92-9092-233-8.
- Filipponi, F. (2019). *Sentinel-1 GRD Preprocessing Workflow*. 11. <https://doi.org/10.3390/ecrs-3-06201>.
- Ghilani, C. D. (2010). Adjustment Computations Spatial Data Analysis (5th ed., Vol. 21, Issue 1). John Wiley & Sons, Inc.

- Hajduch, G., Bourbigot, M., Johnsen, H., & Piantanida, R. (2021). *Sentinel-1*. ESA.
- Hanssen, R.F. (2001). *Radar Interferometry: Data Interpretation and Error Analysis*. The Netherlands: Kluwer Academic Publishers Delft University of Technology
- Herring, T. A., Melbourne, T. I., Murray, M. H., Floyd, M. A., Szeliga, W. M., King, R. W., Phillips, D. A., Puskas, C. M., Santillan, M., & Wang, L. (2016). Plate Boundary Observatory and related networks: GPS data analysis methods and geodetic products. *Reviews of Geophysics*, 54(4), 759–808. <https://doi.org/10.1002/2016RG000529>
- Janssen, V (2009). *Understanding Coordinate Reference Systems, Datums and Transformations*. University Of Tasmania. Journal contribution. [https://figshare.utas.edu.au/articles/journal\\_contribution/Understanding\\_coordinate\\_reference\\_systems\\_datums\\_](https://figshare.utas.edu.au/articles/journal_contribution/Understanding_coordinate_reference_systems_datums_)
- Jekeli, C. (2012). Geometric Reference Systems in Geodesy. In *Report* (Issue August). [http://www.rtsd.mi.th/school/images/knowlegde/Lop\\_knowlegde/GRS2012.pdf%5Cnpapers3://publication/uuid/04083570-5B5A-42AC-BC9F-22B3AC259DB5](http://www.rtsd.mi.th/school/images/knowlegde/Lop_knowlegde/GRS2012.pdf%5Cnpapers3://publication/uuid/04083570-5B5A-42AC-BC9F-22B3AC259DB5)
- Krakiwsky, E. J., & Wells, D. E. (1971). Coordinate Systems in Geodesy. In *Engineering, University of New Brunswick. Dept. of Surveying* (Issue 217).
- Kushardono, D., & Arief, R. (2020). *Pemanfaatan Data Satelit Radar untuk Wilayah Darat di Indonesia: Peluang dan Tantangan*. LIPI Press.
- Kusuma, A. R. (2022). *Analisis Spasial Temporal Postseismic Akibat Gempa Pulau Lombok 2018 Menggunakan Citra Satelit Sentinel-1* [Universitas Gadjah Mada]. <https://etd.repository.ugm.ac.id>.
- Lazecký, M., Spaans, K., González, P. J., Maghsoudi, Y., Morishita, Y., Albino, F., Elliott, J., Greenall, N., Hatton, E., Hooper, A., Juncu, D., McDougall, A., Walters, R. J., Watson, C. S., Weiss, J. R., & Wright, T. J. (2020). LiCSAR: An automatic InSAR tool for measuring and monitoring tectonic and volcanic activity. *Remote Sensing*, 12(15). <https://doi.org/10.3390/RS12152430>.
- Morishita, Y., Lazecky, M., Wright, T. J., Weiss, J. R., Elliott, J. R., & Hooper, A. (2020). LiCSBAS: An Open-source InSAR Time Series Analysis Package Integrated with the Licsar Automated Sentinel-1 InSAR Processor. *Remote Sensing*, 12(3), 5–8. <https://doi.org/10.3390/rs12030424>.
- Natawidjaja, & Hilman, D. (2021). *Orasi Pengukuhan Profesor Riset Bidang Ilmu Kebumihan Riset Sesar Aktif Indonesia dan Peranannya dalam Mitigasi Bencana Gempa Dan Tsunami*. LIPI Press, Anggota Ikapi.
- Pamungkas, A. N. (2023). *Estimasi Deformasi Vertikal pada Fase Coseismic Akibat Gempa Cianjur Magnitudo 5,6 Tahun 2022 Menggunakan Citra Alos-2/Palsar-2* [Universitas Gadjah Mada]. <https://etd.repository.ugm.ac.id>.
- Panuntun, H., Heliani, L. S., Suryanto, W., & Pratama, C. (2022). Importance of Tropospheric Correction to C-band InSAR Measurements: Application in the 2018 Palu Earthquake. *Indonesian Journal of Geography*, 54(3), 352–358. <https://doi.org/10.22146/IJG.68984>.
- Pepe, A., & Calò, F. (2017). A Review of Interferometric Synthetic Aperture Radar (InSAR) Multi-Track Approaches for the Retrieval of Earth's Surface Displacements. *Applied Sciences (Switzerland)*, 7(12). <https://doi.org/10.3390/app7121264>.

- Popa, M., Munteanu, I., Borleanu, F., Oros, E., Radulian, M., & Dinu, C. (2018). Active Tectonic Deformation and Associated Earthquakes: a Case Study–South West Carpathians Bend Zone. *Acta Geodaetica et Geophysica*, 53(3), 395–413. <https://doi.org/10.1007/s40328-018-0224-1>.
- Pusat Penelitian dan Pengembangan Geologi. (1994). *Peta Geologi Lembar Siberut, Sumatera* [Peta]. Skala: 1.250.000. Bandung: Pusat Penelitian dan Pengembangan Geologi.
- PuSGeN. (2017). *Peta Sumber dan Bahaya Gempa Indonesia Tahun 2017*. Pusat Penelitian dan Pengembangan Perumahan dan Permukiman Badan Penelitian dan Pengembangan Kementerian Pekerjaan Umum dan Perumahan Rakyat.
- Romadhon, R. (2018). *Analisis Ketelitian Hasil Pengamatan Gns berdasarkan Metode Dan Lama Pengamatan Untuk Efisiensi Pengukuran Ground Control Point (Studi Kasus: Kota Surabaya)* [Institut Teknologi Sepuluh Nopember].
- Sari, A.R. 2014. *Metode Differential Interferometry Synthetic Aperture Radar (DInSAR) untuk Analisa Deformasi Di Daerah Rawan Bencana Gempa Bumi (Studi Kasus : Kepulauan Mentawai, Sumatra Barat)* [Inst. Teknol. Sepuluh Nop].
- Sarjani, F., Sumantyo, J. T. S., dan Yohandri. (2017). Pengolahan Citra Satelit Alos Palsar Menggunakan Metode Polarimetri Untuk Klasifikasi Lahan Wilayah Kota Padang. *EKSAKTA*, 18(1). 71–77.
- Shah, A. A., & Navakanesh, B. (2020). Active tectonics and active faults: Why these terms still lack consensus on definitions. *Bulletin of the Geological Society of Malaysia*, 70(November), 125–132. <https://doi.org/10.7186/bgsm70202010>.
- Sidiq, T. P., Gumilar, I., Alkadri, F., dan Abidin, H. Z. (2021). Analisis Time-Series InSAR (Interferometric Synthetic Aperture Radar) Untuk Pemantauan Deformasi di Porong, Sidoarjo Tahun 2014-2018. *Bulletin Vulkanologi dan Bencana Geologi*, 15(1). 41–51.
- Sinaga, S. S., Awaluddin, M., dan Sabri, L. M. (2020). Analisis Deformasi Gempa Nias 3 Juni 2019 Menggunakan Data CORS BIG dan SuGAR. *Jurnal Geodesi Undip*, 9(4). 12–21.
- Wright, T. J., Elliott, J. R., Wang, H., & Ryder, I. (2013). Earthquake Cycle Deformation and The Moho: Implications for The Rheology of Continental Lithosphere. *Tectonophysics*, 609, 504–523. <https://doi.org/10.1016/j.tecto.2013.07.029>.
- Yague-Martinez, N., Prats-Iraola, P., Gonzalez, F. R., Brcic, R., Shau, R., Geudtner, D., Eineder, M., & Bamler, R. (2016). Interferometric Processing of Sentinel-1 TOPS Data. *IEEE Transactions on Geoscience and Remote Sensing*, 54(4), 2220–2234. <https://doi.org/10.1109/TGRS.2015.2497902>.
- Yu, C. (2019). *Generic Interferometric Synthetic Aperture Radar Atmospheric Correction Model and Its Application to Co- and Post-Seismic Motions* [Newcastle University]. <http://theses.ncl.ac.uk/jspui/handle/10443/4636>.
- Yusiyanti, I. (2022). *Analysis Of Vertical Deformation Model On Postseismic Phase Due To The Palu Earthquake 2018 Using Exponential And Logarithmic Functions Based On Sentinel-1 Image Data* [Universitas Gadjah Mada]. <https://etd.repository.ugm.ac.id>



Yusiyanti, I., Kalbuadi Prajardi, T. W., Saputri, Y. I., & Pratama, C. (2023). Vertical Deformation Model on Postseismic Phase Using Exponential and Logarithmic Function Based on InSAR. *Geodesy and Geodynamics*, 14(4), 392–400. <https://doi.org/10.1016/j.geog.2023.01.003>.