

DAFTAR PUSTAKA

- Abidin, H. Z., Andreas, H., Kao, 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*, 3(2), 77–88. <https://doi.org/10.1142/S1793431109000445>
- 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.
- Andreas, Sarsito, D. A., Irwan, M., Abidin, H. Z., Darmawan, D., & Gamal, M. (2005). *Implikasi Co-Seismic dan Post-Seismic Horizontal Displacement Gempa Aceh 2004 Terhadap Status Geometrik Data Spasial Wilayah Aceh dan Sekitarnya*. 1–7. https://www.academia.edu/62898761/Implikasi_CoSeismic_dan_Post_Seismic_Horizontal_Displacement_Gempa_Aceh_2004_Terdapat_Status_Geometrik_Data_atas_Spasial_Wilayah_Aceh_dan_Sekitarnya?auto=download
- Atunggal, D., Ma'ruf, B., & Ulinuha, H. (2018). Evaluasi Jaring Pemantauan Sesar Opak Segmen Segoroyoso Hasil Survei GNSS Tahun 2013 dan Tahun 2017. *Prosiding CGISE Conference of Geospatial Information Science and Engineering*, September, 1–6. <https://www.researchgate.net/publication/331928047>
- Berardino, P., Fornaro, G., Sansosti, E., Lanari, R., & Sansosti, E. (2002). A New Algorithm for Surface Deformation Monitoring Based on Small Baseline Differential SAR Interferograms. *Geoscience and Remote Sensing, IEEE Transactions On*, 40(December), 2375–2383. <https://doi.org/10.1109/TGRS.2002.803792>
- Dewanto, B. G., Setiawan, M. B., & Nusantara, G. C. (2020). Opak Fault Deformation Monitoring Using Sentinel-1 Insar Data From 2016-2019 in Yogyakarta Indonesia. *Elipsoida: Jurnal Geodesi Dan Geomatika*, 3(01), 46–54. <https://doi.org/10.14710/elipsoida.2020.7758>
- Earle, S. (2019). Chapter 11 Earthquakes. In *Physical Geology* (2nd Editio, pp. 362–396). BCcampus.
- Fakhri Islam, L. J., Prasetyo, Y., & Sudarsono, B. (2017). ANALISIS PENURUNAN MUKA TANAH (LAND SUBSIDENCE) KOTA SEMARANG MENGGUNAKAN CITRA SENTINEL-1 BERDASARKAN METODE DINSAR PADA PERANGKAT LUNAK SNAP. 6(April), 29–36. <https://ejournal3.undip.ac.id/index.php/geodesi/article/view/16253>
- Fathonah, I. M., Wibowo, N. B., & Sumardi, Y. (2014). Identifikasi Jalur Sesar Opak Berdasarkan Analisis Data Anomali Medan Magnet dan Geologi Regional Yogyakarta. *Indonesian Journal of Applied Physics*, 4(2), 192–200.

- Febriani, F. (2018). Seismicity around the Cimandiri fault zone, West Java, Indonesia Seismicity around the Cimandiri Fault Zone, West Java, Indonesia. *AIP Conference Proceedings*, 070003(February 2016). <https://doi.org/10.1063/1.4941644>
- Ferretti, A., Guarnieri, A. M., Prati, C., & Rocca, F. (2007). *InSAR Principles: Guidelines for SAR Interferometry Processing and Interpretation* (K. Fletcher (ed.)). ESA Publications. <https://doi.org/10.1073/pnas.81.17.5399>
- Finkl, C. W., & Makowski, C. (2019). Seismic Displacement. In C. W. Finkl & C. Makowski (Eds.), *ENCYCLOPEDIA of COASTAL SCIENCE* (Second edi, pp. 1524–1525). Springer Nature Switzerland AG. [https://doi.org/10.1016/0304-4203\(89\)90043-1](https://doi.org/10.1016/0304-4203(89)90043-1)
- Goldstein, R. M., Zebker, H. A., & Werner, C. L. (1988). Satellite radar interferometry: Two-dimensional phase unwrapping. *Radio Science*, 23(4), 713–720. <https://doi.org/http://dx.doi.org/10.1029/RS023i004p00713>
- Hu, B., & Li, Z. (2021). Time-series InSAR Technology for Ascending and Descending Orbital Images to Monitor Surface Deformation of the Metro Network in Chengdu. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 14, 12583–12597. <https://doi.org/10.1109/JSTARS.2021.3130584>
- Hussein, A., & Rizqi, F. (2019). *Analisis Sesar Opak Berdasarkan Data Gravitasi Daerah Selopamioro, Kecamatan Imogiri, Kabupaten Bantul, Daerah Istimewa Yogyakarta. November*. <https://www.researchgate.net/publication/337560660>
- Institut Teknologi Bandung. (2007). *Studi Aktivitas Sesar Lembang Menggunakan Teknologi Gps*. Kelompok Keilmuan Geodesi Fakultas Ilmu Dan Teknologi Kebumihan – Institut Teknologi Bandung. <https://geodesy.gd.itb.ac.id/studi-aktivitas-sesar-lembang-menggunakan-teknologi-gps/>
- Isnaeni, Y. (2020). *ANALISIS PENURUNAN MUKA TANAH SEBAGIAN KOTA SEMARANG TAHUN 2017 – 2019 MENGGUNAKAN CITRA SENTINEL-1A DAN TEKNIK DIFFERENTIA INTERFEROMETRY SYNTHETIC APERTURE RADAR (DINSAR)*. Universitas Gadjah Mada.
- JAXA. (2012). *ALOS (Advanced Land Observing Satellite) / Daichi*. <https://www.eoportal.org/satellite-missions/alos#eop-quick-facts-section>
- JAXA. (2016). *PALSAR Phased Array type L-band Synthetic Aperture Radar*. <http://www.eorc.jaxa.jp/>
- KESDM. (2016). *Peta Geologi Lembar Yogyakarta, Jawa Skala 1:100.000/ Indeks Peta: 27 / Lembar Peta: 1407-5, 1408-2*. <https://geologi.esdm.go.id/geomap/pages/preview/peta-geologi-lembar-kebumen-jawa>
- Lanari, R., Casu, F., Manzo, M., Zeni, G., Berardino, P., Manunta, M., & Pepe, A. (2007). An overview of the Small BASeline Subset algorithm: A DInSAR technique for surface deformation analysis. *Pure and Applied Geophysics*,

164(4), 637–661. <https://doi.org/10.1007/s00024-007-0192-9>

Lu, Y. Y., Ke, C. Q., Jiang, H. J., & Chen, D. L. (2019). Monitoring urban land surface deformation (2004–2010) from InSAR, groundwater and levelling data: A case study of Changzhou city, China. *Journal of Earth System Science*, 128(6), 1–15. <https://doi.org/10.1007/s12040-019-1173-y>

Massinai, M. A. (2015). *Geomorfologi Tektonik*. Yogyakarta Pustaka Ilmu.

Meyer, F. (2019). CHAPTER 2 Spaceborne Synthetic Aperture Radar : Principles, Data Access, and Basic Processing Techniques. In A. I. Flores-Anderson, K. E. Herndon, R. B. Thapa, & E. Cherrington (Eds.), *The Synthetic Aperture Radar (SAR) Handbook: Comprehensive Methodologies for Forest Monitoring and Biomass Estimation* (First Edit, pp. 21–64). SERVIR Global Science Coordination Office. <https://doi.org/10.25966/nr2c-s697>

Meyer, F. J., & Sandwell, D. T. (2012). SAR interferometry at Venus for topography and change detection. *Planetary and Space Science*, 73(1), 130–144. <https://doi.org/10.1016/j.pss.2012.10.006>

Nitti, D. O., Bovenga, F., Refice, A., Wasowski, J., Conte, D., & Nutricato, R. (2008). L- and C-band SAR Interferometry analysis of the Wieliczka salt mine area (UNESCO heritage site, Poland). *Proceedings of the 2008 Joint PI Symposium of the ALOS Data Nodes*. <https://www.researchgate.net/publication/235217007>

Noor, D. (2012). *Pengantar Geologi* (Edisi Kedu). Pakuan University Press.

Panuntun, H., & Prasidya, A. (2020). Identifikasi Deformasi Permukaan Gempa Bumi Turki 24 Januari 2020 dengan Teknik Interferometric Synthetic Aperture Radar (InSAR). *Seminar Nasional Teknologi Terapan*.

Panuntun, H., Prasidya, A. S., & Mahendra, G. (2022). Present-Day Surface Deformation along the Opak Fault, Yogyakarta, Observed Using Sentinel-1 Interferometric Wide-Swath Data. *Technology for Sustainable Development*, 112(May 2006), 75–81. <https://doi.org/10.4028/p-e3jjj9>

Pasaribu, J. M., Nugroho, J. T., & Wiweka. (2014). Pemanfaatan Penginderaan Jauh untuk Pemantauan Penurunan Muka Tanah (Land Subsidence). In *Bunga Rampai Pemanfaatan Penginderaan Jauh Untuk Pemantauan, Deteksi, Dan Kajian Lingkungan* (pp. 25–42). Crespent Press. http://karya.brin.go.id/id/eprint/10951/1/Bunga_Rampai_Junita_Monika_Pasaribu_dkk_Hlm.25-42_2014.pdf

Prajasa, R., & Pramumijoyo, S. (2015). Interpretasi Pergerakan Sesar Opak Pasca Gempa Yogyakarta 2006 Melalui Pendekatan Studi Geomorfologi Tektonik Pada Daerah Wonolelo Dan Sekitarnya, Kecamatan Pleret, Kabupaten Bantul, Provinsi Daerah Istimewa Yogyakarta. *PROCEEDING, SEMINAR NASIONAL KEBUMIHAN KE-8 Academia-Industry Linkage*, 1, 153–164.

Putri, M., & Annisa, N. (2021). Identifikasi Jenis Sesar Semangko Segmen Sunda Di Tenggara Provinsi Lampung Dan Barat Laut Provinsi Banten Menggunakan Metode Gravitasi Analisa Derivatif. *Jurnal Indonesia Sosial Sains*, 2(6), 936–

948. <http://jiss.publikasiindonesia.id/>
- Sandwell, D., Mellors, R., Xiaopeng, T., Xiaohua, X., Wei, M., & Wessel, P. (2011). *GMTSAR: An InSAR Processing System*. 1–107. https://topex.ucsd.edu/gmtsar/tar/GMTSAR_2ND_TEX.pdf
- Santoso. (2009). Morfologi dan Umur Perpindahan Alur Sungai Opak di Daerah Berbah Sleman. *Jurnal Geologi Dan Sumberdaya Mineral*, 19(4), 239–249. <https://jgsm.geologi.esdm.go.id/index.php/JGSM/article/view/209/199>
- Sarjani, F., Sumantyo, J. T. S., & Yohandri. (2017). PENGOLAHAN CITRA SATELIT ALOS PALSAR MENGGUNAKAN METODE POLARIMETRI UNTUK KLASIFIKASI LAHAN WILAYAH KOTA PADANG. *Eksakta*, 18(1), 70–77. <http://eksakta.ppj.unp.ac.id>
- Sudarno, I. (1997). *Petunjuk Adanya Reaktivasi Sesar di Sekitar Aliran Sungai Opak, Perbukitan Jiwo, dan Sisi Utara Kaki Pegunungan Selatan*. Media Teknik, No. 1 Tahun XIX.
- Sunantyo, T. A., Pramumijoyo, S., & Salahuddin, H. (2014). Pengukuran Jaring Pemantau Tahun 2013 dan Pemetaan Geologi Di kawasan Sekitar Sesar Opak, Propinsi DIY 1 2. *Annual Engineering Seminar 2014*, 41–50. https://www.academia.edu/download/39080740/2014_-_Sunantyo_et_al_-_Pemantau_Sesar_Opak.pdf
- Supartoyo. (2006). Gempabumi yogyakarta tanggal 27 mei 2006. *Buletin Berkala Merapi*, 3(2), 36–55.
- 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(3), 1–10. <https://doi.org/10.1186/s40562-018-0130-y>
- Suratno, G. Q. F. (2022). *Analisis LoS Surface Displacement di Sepanjang Sesar Cimandiri Dengan Data SAR Menggunakan Teknik Small Baseline Subset (SBAS)*. Universitas Gadjah Mada.
- Tsuji, T., Yamamoto, K., Matsuoka, T., Yamada, Y., Onishi, K., Bahar, A., Meilano, I., & Abidin, H. Z. (2009). Earthquake fault of the 26 May 2006 Yogyakarta earthquake observed by SAR interferometry. *Earth, Planets and Space*, 61(7), 29–32. <https://doi.org/10.1186/BF03353189>
- USGS. (2021). *Fault Types*. <https://www.usgs.gov/media/images/faultgif>
- Wang, P., Zhang, B. C., & Wang, Y. F. (2006). An anisotropic Gaussian filter for noise filtering of InSAR interferogram. *CIE International Conference of Radar Proceedings*, 1–4. <https://doi.org/10.1109/ICR.2006.343226>
- Werner, C. L., Wegmuller, U., Frey, O., & Santoro, M. (2012). Interferometric Processing of PALSAR wide-beam SCANSAR Data. *Proc. Fringe 2011 Workshop*.
- Werner, C. L., Wegmüller, U., & Strozzi, T. (2002). Processing strategies for phase

unwrapping for InSAR applications. *Proceedings EUSAR 2002, Cologne*, 1–4.

Yulyta, S. A. (2018). *Aplikasi Metode SBAS-DInSAR Menggunakan Data Untuk Pengamatan Penurunan Muka Tanah Di Kota Surabaya Application Of SBAS-DInSAR Method Using Sentinel-1A Data For The Land Subsidence Detection In Surabaya City*. Institut Teknologi Sepuluh Nopember.