

DAFTAR PUSTAKA

- Akbar, G. D. P. N., & Setiawan, B. (2022). Analisis Penurunan Muka Tanah Kota Jambi Dengan Metode *Differential Interferometry Synthetics Aperture Radar* Tahun 2016 – 2021. *Jurnal Geosains dan Remote Sensing*, 3(1), 20–29. <https://doi.org/10.23960/jgrs.2022.v3i1.71>
- Alaska. (2020). *Sentinel-1 InSAR Product Guide*. United State, Alaska: Alaska Sattelite Facility (ASF).
- Andreas, H., Abidin, H. Z., Sarsito, D. A., & Meilano, I. (2019). *Investigating the tectonic influence to the anthropogenic subsidence along northern coast of Java Island Indonesia using GNSS data sets*. In *E3S Web of Conferences* (Vol. 94, p. 04005). *EDP Sciences*.
- Bachtiar, Z. (2023). Strategi Penataan Kawasan Perdagangan Dan Jasa Melalui Pendekatan Tata Bangunan Lingkungan (Studi Kasus Cikarang Utara). *Jurnal Kajian Wilayah dan Kota*, 2(2), 81-92.
- Bagheri-Gavkosh, M., Hosseini, S. M., Ataie-Ashtiani, B., Sohani, Y., Ebrahimian, H., Morovat, F., & Ashrafi, S. (2021). *Land subsidence: A global challenge*. *Science of The Total Environment*, 778, 146193.
- Bendarzsevszkij, A., Eszterhai, V., Gere, L., Klemensits, P., Polyák, E. (2017). *World Economic Forum*.
- Berardino, P., Fornaro, G., Lanari, R., & Sansosti, E. (2002). *A new algorithm for surface deformation monitoring based on small baseline differential SAR interferograms*. *IEEE Transactions on Geoscience and Remote Sensing*, 40(11), 2375–2383. <https://doi.org/10.1109/TGRS.2002.803792>
- Bimantara. (2012). *Pemetaan Dampak Akibat Penurunan Muka Tanah di Wilayah Jakarta*.
- Burbey, T. J. (2005). *Use of vertical and horizontal deformation data with inverse models to quantify parameters during aquifer testing*. *Land Subsidence:*

Proceedings of the 7th International Symposium on Land Subsidence: Shanghai.

BPS. (2023). Luas Daerah Menurut Kecamatan di Kabupaten Bekasi, 2023.

BPS. (2022). Kepadatan Penduduk Per Km Menurut Kecamatan di Kabupaten Bekasi, 2022.

Chaussard, E., Amelung, F., Abidin, H., & Hong, S. H. (2013). *Sinking cities in Indonesia: ALOS PALSAR detects rapid subsidence due to groundwater and gas extraction. Remote sensing of environment, 128*, 150-161.

Fakhri, I. L. J., Yudo, P., & Sudarsono Bambang. (2017). analisis penurunan muka tanah (*land subsidence*) kota semarang menggunakan citra sentinel-1 berdasarkan metode dinsa pada perangkat lunak snap. *Jurnal Gedesi Undip*, 5, 1–7.

Fuhrmann, T., & Garthwaite, M. C. (2019). *Resolving three-dimensional surface motion with InSAR: Constraints from multi-geometry data fusion. Remote Sensing, 11*(3), 241.

Galloway, D. L., & Burbey, T. J. (2011). *Review: Regional land subsidence accompanying groundwater extraction. Hydrogeology Journal, 19*(8), 1459–1486. <https://doi.org/10.1007/s10040-011-0775-5>

Galloway, D. L., Erkens, G., Kuniatsky, E. L., & Rowland, J. C. (2016). *Preface: Land subsidence processes. Hydrogeology Journal (Vol. 24, Nomor 3, hlm. 547–550). Springer Verlag. <https://doi.org/10.1007/s10040-016-1386-y>*

Ghiffari, M.R.A., Nugroho, D., Ramadhan, R., Noor, M.R., Wicaksono, N., & Agustan. (2024). *The Utilization of LiCSBAS for Deformation Monitoring in Geresia Segment of Matano Fault, Central Sulawesi, Indonesia. Journal of Geoscience, Engineering, Environment, and Technology, 9*(1), 28–37. <https://doi.org/10.25299/jgeet.2024.9.1.14212>

- Gumilar, I., Abidin, H.Z., Hutasoit, L.M., Hakim, D.M., Andreas, I., Sidiq, T.P., Gamal, M. (2012). Pemetaan Karakteristik Penurunan Tanah Berdasarkan Metode Geodetik Serta Dampaknya Terhadap Perluasan Banjir di Cekungan Bandung. *Globe*, 14(1), 17-27.
- Gong, W., Thiele, A., Hinz, S., Meyer, F. J., Hooper, A., & Agram, P. S. (2016). *Comparison of small baseline interferometric SAR processors for estimating ground deformation. Remote Sensing*, 8(4), 330.
- Hadi, B. S. (2019). Penginderaan jauh Perkuliahan.
- Hakim, W. L., Achmad, A. R., & Lee, C. W. (2020). *Land subsidence susceptibility mapping in jakarta using functional and meta-ensemble machine learning algorithm based on time-series InSAR data. Remote Sensing*, 12(21), 3627.
- Hanafiah, I.I. (2004). Pengolahan Fasa untuk Mendapatkan Model Tinggi Permukaan Dijital (DEM) pada Radar Apertur Sintetik Interferometri (INSAR) Data Satelit. *ITB Journal of Sciences*, 36(1), 11–32. <https://doi.org/10.5614/itbj.sci.2004.36.1.2>
- Haqqi, M. K. F., Yuwono, B. D., & Awaluddin, M. (2015). Survei Pendahuluan Deformasi Muka Tanah dengan pengamatan GPS di Kabupaten Demak (Studi Kasus : Pesisir Pantai Kecamatan Sayung). *Jurnal Geodesi Undip*, 4(4), 81–90. <https://ejournal3.undip.ac.id/index.php/geodesi/article/view/9932>
- Harintaka, H., Suhadha, A. G., Syetiawan, A., Ardha, M., & Rarasati, A. (2024). Current land subsidence in Jakarta: a multi-track SBAS InSAR analysis during 2017–2022 using C-band SAR data. *Geocarto International*, 39(1), 2364726.
- 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.

- Herlambang, H. M. A. & Handiani, D. N. (2023). Indeks Kerentanan Pesisir Di Pantai Utara Bekasi Dan Kerawang. *FTSP Series*. <https://livingatlas.arcgis.com/>
- Hooper, A. (2007). *Persistent scatterer InSAR for crustal deformation analysis, with application to Volcán Alcedo, Galápagos*. *J Geophys Res, B*, 112(7), 1–19.
- Kasiram. (2009). *Metodologi Penelitian Kualitatif*. UIN Maliki Press.
- Khoirunisa, R., Yuwono, B. D., & Wijaya, A. P. (2015). Analisis Penurunan Muka Tanah Kota Semarang Tahun 2015 Menggunakan Perangkat Lunak Gamit 10.5. *Jurnal Geodesi Undip*, 4(4), 341-350.
- Kurniawan, A., Yuwono, B., & Sabri, L. (2013). Analisis Penurunan Muka Tanah Daerah Semarang Menggunakan Perangkat Lunak Gamit 10.04 Kurun Waktu 2008-2013. *Jurnal Geodesi Undip*, 2(4), 84062.
- Lillesand, T.M, Kiefer, R.W, & Chipman, J. W. (2007). *Remote Sensing and Image Interpretation. 6th Editio*.
- Liu, G., Ding, X., Chen, Y., Li, Z., & Li, Z. (2001). *Ground settlement of Chek Lap Kok Airport, Hong Kong, detected by satellite synthetic aperture radar interferometry*. *Chinese Science Bulletin*, 46(21), 1778–1782. <https://doi.org/10.1007/BF02900548>
- 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, 1-15.
- Marghany, M. (2022). *Chapter 3 – Theories of Microwave Synthetic Aperture Radar. Advanced Algorithms for Mineral and Hydrocarbon Exploration Using Synthetic Aperture Radar*. <https://doi.org/10.1016/B978-0-12-821796-2.00013-6>

- Megarani, A. (2022). Semarang: City with the Fastest Land Subsidence. <https://www.forestdigest.com/detail/1762/penurunan-tanah-semarang>
- 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), 424.
- Motagh, M., Shamshiri, R., Haghighi, M. H., Wetzel, H. U., Akbari, B., Nahavandchi, H., & Arabi, S. (2017). Quantifying groundwater exploitation induced subsidence in the Rafsanjan plain, southeastern Iran, using InSAR time-series and in situ measurements. *Engineering geology*, 218, 134-151.
- Naryanto, H. S. (2008). Potensi air tanah di daerah cikarang dan sekitarnya, kabupaten bekasi berdasarkan analisis pengukuran geolistrik. *Jurnal Air Indonesia*, 4(1).
- Ng, A. H. M., Ge, L., Li, X., Abidin, H. Z., Andreas, H., & Zhang, K. (2012). Mapping land subsidence in Jakarta, Indonesia using persistent scatterer interferometry (PSI) technique with ALOS PALSAR. *International Journal of Applied Earth Observation and Geoinformation*, 18, 232-242.
- Nugraha, A. S. A., Prasetyo, D. E., Azril, M., & Iqbal, M. (2022). Identifikasi Penurunan Muka Tanah Melalui Analisis Citra Sentinel 1a Dengan Menggunakan Metode Differential Interferometric Synthetic Aperture Radar (Dinsar) Di Tambak Pt Iroha Sidat Indonesia, Bomo, Banyuwangi. *Majalah Ilmiah Globe*, 24(1), 1–10. <https://www.big.go.id/content/produk/majalah-ilmiah-globe>
- Sidiq, T. P., Gumilar, I., Alkadri, F., & Abidin, H. Z. (2021). Analisis Time-Series InSAR (Interferometric Synthetic Aperture Radar) untuk Pemantauan Deformasi Di Porong, Sidoarjo tahun 2014–2018). *Buletin Vulkanologi dan Bencana Geologi*, 15, 41-51.

- Simatupang, G. M., & Nurtyawan, R. (2023). Analisis Penurunan Muka Tanah DKI Jakarta Dengan Metode Differential Interferometry Synthetic Aperture Radar (DInSAR). *Prosiding FTSP Series*, 215-220.
- Siregar, D. A. & Satrio. (2009). Pola Dinamika Air Tanah Di Daerah Bekasi Berdasarkan Analisis Radioisotop ¹⁴C. *Jurnal Geologi dan Sumberdaya Mineral*, 19(1), 17-22.
- Shirzaei, M., Freymueller, J., Törnqvist, T. E., Galloway, D. L., Dura, T., & Minderhoud, P. S. (2021). Measuring, modelling and projecting coastal land subsidence. *Nature Reviews Earth & Environment*, 2(1), 40-58.
- Solihuddin, T., Husrin, S., Mustikasari, E., Heriati, A., Kepel, T. L., Salim, H. L., Risandi, J., & Dwiyantri, D. (2021). Coastal Inundation and Land Subsidence in North Coast of West Java: A New Hazard?. In *IOP Conference Series: Earth and Environmental Science*.
- Sugiyono. (2013). *Metode Penelitian Kuantitatif, Kualitatif dan R&D*. CV Alfabeta.
- Sujarweni, V. W. (2014). *Metode Penelitian: Lengkap, Praktis, dan Mudah Dipahami*. Pustaka Baru Press.
- Sukmawaty, D. (2018). Analisis Deformasi Tanah Lunak Terhadap Perkuatan Geogrid Menggunakan Metode Elemen Hingga. *Siimo Engineering: Journal Teknik Sipil*, 2(2003), 1-8.
<http://jurnal.unismuhpalu.ac.id/index.php/SiimoEngineering/article/view/443>
- Syah, P. K. (2024). Pemkab Bekasi minta bantuan PVMBG kaji pergerakan tanah Bojongmangu. (<https://www.antaranews.com/berita/3986064/pemkab-bekasi-minta-bantuan-pvmbg-kaji-pergerakan-tanah-bojongmangu> diakses: 6 Desember 2024)

Wicaksono, Y. (2018). Muka Tanah Wilayah Malang Raya Turun Tiga Meter.

(https://www.superradio.id/muka-tanah-wilayah-malang-raya-turun-tiga-meter/#google_vignette diakses: 15 Agustus 2024).

Wicks, C.W., Dzurisin, D., Ingebritsen, S., Thatcher, W., Lu, Z. and Iverson, J. (2002). *Magmatic activity beneath the quiescent Three Sisters volcanic center, central Oregon Cascade Range, USA. Geophysical Research Letters* 29: doi: 10.1029/2001GL014205. issn: 0094-8276.

Wei, Q. (2006). *Land subsidence and water management in Shanghai*. 6(May), 403–423.

Wright, T.J., Parsons, B.E., Lu, Z. 2004. *Toward Mapping Surface Deformation in Three Dimensions Using InSAR. Geophysical Research Letters*, 31(1), <https://doi.org/10.1029/2003>.

Wu, P. C., Wei, M., & D'Hondt, S. (2022). *Subsidence in coastal cities throughout the world observed by InSAR. Geophysical Research Letters*, 49(7), e2022GL098477.

Xiong, T., Sun, Q., & Hu, J. (2024). *Landslide Detection Based on Multi-Direction Phase Gradient Stacking, with Application to Zhouqu, China. Applied Sciences*, 14(4), 1632.

Zoysa, R. S., Schöne, T., Herbeck, J., Illigner, J., Haghighi, M., Simarmata, H., ... & Hornidge, A. K. (2021). The 'wickedness' of governing land subsidence: Policy perspectives from urban Southeast Asia. *PLoS One*, 16(6), e0250208.