

DAFTAR PUSTAKA

- Aldridge, C.A. and Baker, B.H. (2018) 'Watersheds: Role, importance, and stewardship', (April).
- Amin, N.F., Garancang, S. and Abunawas, K. (2023) 'Konsep Umum Populasi dan Sampel dalam Penelitian', *Jurnal Pilar*, 14(1), pp. 15–31.
- Amini, R. (2022) *Pemetaan Lokasi Potensial Perencanaan Pembangunan Embung Berdasarkan Kondisi Biogeofisik di Das Bulok Provinsi Lampung*. UNIVERSITAS LAMPUNG.
- Amir, A.I. (2021) *Analisis Pengaruh Kemiringan Sungai Terhadap Partikel Sedimen di Sungai Jeneberang*. Universitas Hasanuddin.
- Arsyad, S. (1989) *Konservasi Tanah dan Air*. Bogor: Institut Pertanian Bogor.
- Ashari, A. and Widodo, E. (2019) 'Hidrogeomorfologi Dan Potensi Mataair Lereng Baratdaya Gunung Merbabu', *Majalah Geografi Indonesia*, 33(1), p. 48. Available at: <https://doi.org/10.22146/mgi.35570>.
- Avicenna, A.K., Hadiani, R. and Solichin (2015) 'INDEKS KEKERINGAN HIDROLOGI DI DAS KEDUANG BERDASARKAN METODE FLOW DURATION CURVE (FDC) Andi Khalifa Avicenna 1 , Rintis Hadiani 2 , dan Solichin 3', (September), pp. 823–829.
- Balasubramanian, A. and Nagaraju, D. (2017) 'Hydrology and its branches', *Research Gate*, (March), pp. 1–9. Available at: <https://doi.org/10.13140/RG.2.2.12676.53123>.
- Bhattacharya, S. *et al.* (2018) 'Introduction to Water Remediation: Importance and Methods', *Energy, Environment, and Sustainability*, (May), pp. 3–8. Available at: https://doi.org/10.1007/978-981-10-7551-3_1.
- Bobrowsky, P.T. and Marker, B. (2018) *Encyclopedia of engineering geology*. Springer Berlin. Available at: https://doi.org/https://doi.org/10.1007/978-3-319-73568-9_181.
- Bourne, R. (1931) 'Regional survey and its relation to stocktaking of the agricultural and forest resources of the British Empire', *Oxford Forestry Memoirs*, 13, p. 169.
- BP2TPDAS IBB (2002) *Pedoman Praktik Konservasi Tanah dan Air*. Surakarta.
- Conforti, M. *et al.* (2013) 'Denudation processes and landforms map of the Camastra River catchment (Basilicata - South Italy)', *Journal of Maps*, 9(3), pp. 444–455. Available at: <https://doi.org/10.1080/17445647.2013.804797>.
- Dai, X. (2016) *Dam Site Selection Using An Integrated Method of AHP and GIS for Decision Making Support in Bortala, Northwest China*. Lund University. Available at: http://www.itc.nl/library/papers_2016/msc/gem/dai.pdf.

ANDI.

- DeMers, M.N. (2009) *Fundamentals of geographic information systems*. USA: John Wiley & Sons.
- Desiana, A.R. (2016) *Aplikasi Penginderaan Jauh dan Sistem Informasi Geografis untuk Evaluasi Rencana Tata Ruang Wilayah Terhadap Kesesuaian Lahan Permukiman di Sebagian Kabupaten Tangerang*. Universitas Gadjah Mada.
- Dewi, A.P., Sangkawati, S. and Edhisono, S. (2022) 'Analisis Lokasi Embung Berdasarkan Kriteria Spi Berbasis Sistem Informasi Geografis (Studi Kasus Wilayah Kerja Balai Psda Serang Lusi Juana)', *Rang Teknik Journal*, 5(2), pp. 281–290. Available at: <https://doi.org/10.31869/rtj.v5i2.3212>.
- Dibiyosaputro, S. and Haryono, E. (2020) *Geomorfologi dasar*. UGM PRESS.
- Dikau, R. (2020) 'The application of a digital relief model to landform analysis in geomorphology', in *Three Dimensional Applications In GIS*, pp. 51–77. Available at: <https://doi.org/10.1201/9781003069454-5>.
- Dong, P. *et al.* (2003) 'An Effective Buffer Generation Method in GIS', *International Geoscience and Remote Sensing Symposium (IGARSS)*, 6(August 2003), pp. 3706–3708. Available at: <https://doi.org/10.1109/igarss.2003.1295244>.
- Eastman, J.R. (2001) 'Idrisi 32 Release 2 - Guide to GIS and Image Processing', 2(January 1999), p. 8.
- Easton Z and Bock E (2015) 'Publication BSE-191P Hydrology Basics and the Hydrologic Cycle', pp. 1–2. Available at: www.ext.vt.edu.
- Ekawati, N.L. (2023) *Analisis Hubungan Perubahan Penggunaan Lahan Dengan Laju Erosi Metode Rusle Berbasis Sig Di DAS Garang Tahun 2013 Dan 2022*. Universitas Gadjah Mada.
- Fadhilla, M.N. (2017) *Pemanfaatan Citra Penginderaan Jauh Untuk Analisis Kesesuaian Lahan Sebagai Dasar Estimasi Produksi Padi di Kabupaten Pati*. Universitas Gadjah Mada.
- Fakultas Geografi (1995) *Metodologi Terapan untuk ESL*. Yogyakarta.
- Ferdowsi, S. and Ahmadyfard, A. (2008) 'Using statistical moments as invariants for eye detection', *European Signal Processing Conference [Preprint]*, (August).
- Fu, Z. *et al.* (2022) 'Identification of potential dam sites using OLS regression and fuzzy logic approach', *Environmental Sciences Europe*, 34(1). Available at: <https://doi.org/10.1186/s12302-022-00660-w>.

- Gatti, A. *et al.* (2018) 'Sentinel-2 Products Specification Document', *Thales Alenia Space*, pp. 1–487.
- Gautam, A. (2023) 'DEM AND Comparison of DEM obtained from ASTER , ALOS PALSAR AND SRTM DEM AND Comparison of DEM obtained from ASTER , ALOS PALSAR AND SRTM Keywords : Abstract ':
- Ghandehari, M. (2013) 'Digital Elevation Model Approximation From Stream Networks: a Reversed Approach', *The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, XL-1/W3(October), pp. 175–180. Available at: <https://doi.org/10.5194/isprsarchives-xl-1-w3-175-2013>.
- Goovaerts, P. (2019) 'Kriging Interpolation', *Geographic Information Science & Technology Body of Knowledge*, 2019(Q4). Available at: <https://doi.org/10.22224/gistbok/2019.4.4>.
- Gunawan, T. (1991) 'Penerapan teknik penginderaan jauh untuk menduga debit puncak menggunakan karakteristik lingkungan fisik DAS studi kasus di daerah aliran sungai Bengawan Solo Hulu, Jawa Tengah'.
- Hadisusanto, N. (2011) *Apliasi Hidrologi*. 1st edn. Edited by H. Istianto. Malang: Jogja Mediautama.
- Hagos, Y.G. *et al.* (2022) 'Suitable dam site identification using GIS-based MCDA: a case study of Chemoga watershed, Ethiopia', *Applied Water Science*, 12(4), pp. 1–26. Available at: <https://doi.org/10.1007/s13201-022-01592-9>.
- Hardjowigeno, S. and Widiatmaka (2011) *Evaluasi Kesesuaian Lahan dan Perencanaan Tataguna Lahan*. Yogyakarta: Gadjah Mada University Press. Available at: <https://doi.org/979-420-662-8>.
- Huggett, R.J. (2011) *Fundamentals of Geomorphology*. Third Edit, *Fundamentals of Geomorphology*. Third Edit. Oxon: Routledge. Available at: <https://doi.org/10.4324/9780203860083>.
- Hughes, R.M., Kaufmann, P.R. and Weber, M.H. (2011) 'National and regional comparisons between Strahler order and stream size', *Journal of the North American Benthological Society*, 30(1), pp. 103–121. Available at: <https://doi.org/10.1899/09-174.1>.
- Ikhsan, C., As'ad, S. and Permana, A.S. (2022) 'Geomorphological Parameters that Influence the Hydrologic Response of the Innovative Engineering and Sustainability Geomorphological Parameters that Influence the Hydrologic Response of the Watershed', *Inovative Engineering and Sustainability*, 1(December), pp. 50–60.

- JAXA (2008) 'ALOS Data Users Handbook', *Earth Observation Research and Application Center Japan Aerospace Exploration Agency*, (March), p. 158. Available at: http://www.eorc.jaxa.jp/ALOS/en/doc/fdata/ALOS_HB_RevC_EN.pdf.
- Jordan, G. (2007) 'Digital terrain analysis in a GIS environment. Concepts and development', *Digital terrain modelling: development and applications in a policy support environment*, pp. 1–43.
- Karakuş, C.B. and Yıldız, S. (2022) 'Gis-multi criteria decision analysis-based land suitability assessment for dam site selection', *International Journal of Environmental Science and Technology*, 19(12), pp. 12561–12580. Available at: <https://doi.org/10.1007/S13762-022-04323-4/FIGURES/7>.
- Kartamihardja, E.S., Purnomo, K. and Umar, C. (2017) 'Sumber Daya Ikan Perairan Umum Daratan Di Indonesia-Terabaikan', *Jurnal Kebijakan Perikanan Indonesia*, 1(1), p. 1. Available at: <https://doi.org/10.15578/jkpi.1.1.2009.1-15>.
- Kementerian Pekerjaan Umum (2021) *Pedoman Pembangunan Embung Pedoman 01 Penjelasan Umum*.
- Kementerian PUPR (2017) *Modul Pengantar Perencanaan Embung*. Bandung. Available at: https://simantu.pu.go.id/epel/edok/45a22_04._Modul_4_Pengantar_Perencanaan_Embung.pdf.
- Kementerian PUPR (2018) 'Pedoman Pembangunan Embung Kecil dan Bangunan Penampung Air Lainnya di Desa', *Pedoman Pembangunan Embung Kecil dan Bangunan Penampung Air Lainnya di Desa*, p. 113.
- Kementerian PUPR (2021a) *Pedoman - 03 Pembangunan Embung di luar Alur Sungai*.
- Kementerian PUPR (2021b) *Pedoman - 04 Pembangunan Embung Embung dengan Bentuk Kolam*.
- Lillesand, T.M. and Kiefer, R.W. (1979) *Remote sensing and image interpretation*. New York: John Wiley and Sons, Inc.
- Maharani, B.V., Wahyuni, S. and Harisuseno, D. (2021) 'Analisis Evaporasi Waduk Wonorejo Kabupaten Tulungagung Menggunakan Pendekatan Empiris', *Jurnal Teknologi dan Rekayasa Sumber Daya Air*, 1(2), pp. 917–928.
- Martopo, S. (1994) 'Dasar-dasar Ekologi', *Program Pasca Sarjana Universitas Gadjah Mada. Yogyakarta* [Preprint].
- Miardini, A. (2019) 'Dinamikan Bentuk Lahan Fluvial Akibat Sedimentasi Sungai di Sungai Girindulu, Segmen Arjosari-Pacitan', *Jurnal Penelitian Pengelolaan Daerah Aliran Sungai*, 3(1), pp. 13–26. Available at:

- Natayu, A. *et al.* (2021) 'Understanding the Climate Behavior Through Data Interpretation: Java-Bali-Nusa Tenggara Case', *Indonesian Journal of Computing, Engineering and Design (IJoCED)*, 3(2), pp. 130–145. Available at: <https://doi.org/10.35806/ijoced.v3i2.184>.
- Nelson, S.A. (2007) 'Volcanic Landforms , Volcanoes and Plate Tectonics', *Natural Disasters*, pp. 1–12.
- Njiru, F.M. *et al.* (2018) 'Site Selection for an Earth Dam in Mbeere North, Embu County—Kenya', *Journal of Geoscience and Environment Protection*, 6(7), pp. 113–133. Available at: <https://doi.org/10.4236/GEP.2018.67009>.
- Njiru, F.M. and Siriba, D.N. (2018) 'Site Selection for an Earth Dam in Mbeere North, Embu County—Kenya', *Journal of Geoscience and Environment Protection*, 06(07), pp. 113–133. Available at: <https://doi.org/10.4236/gep.2018.67009>.
- Noori, A.M., Pradhan, B. and Ajaj, Q.M. (2019) 'Dam site suitability assessment at the Greater Zab River in northern Iraq using remote sensing data and GIS', *Journal of Hydrology*, 574(May), pp. 964–979. Available at: <https://doi.org/10.1016/j.jhydrol.2019.05.001>.
- Nugrahanto, E.B. *et al.* (2022) 'Analisis Debit Banjir Rencana Dengan Metode Hidrograf Satuan Sintetis Nakayasu di Sub-DAS Keduang', *Jurnal Penelitian Pengelolaan Daerah Aliran Sungai*, 6(2), pp. 111–124. Available at: <https://doi.org/https://doi.org/10.20886/jppdas.2022.6.2.111-124>.
- Nurbandi, W. (2018) *KAJIAN PERAMBATAN KESALAHAN PADA ANALISIS TUMPANGSUSUN UNTUK PEMETAAN KERAWANAN LONGSORLAHAN*. Universitas Gadjah Mada.
- Paillou, P. (2017) 'Mapping Palaeohydrography in Deserts: Contribution from Space-Borne Imaging Radar', *Water*. Available at: <https://doi.org/10.3390/w9030194>.
- Pannekoek, A.J. (1949) *Outline of the Geomorphology of Java*. Leiden: E.J. Brill.
- Parrens, M. *et al.* (2017) 'Mapping dynamic water fraction under the tropical rain forests of the Amazonian basin from SMOS brightness temperatures', *Water*, 9(5), p. 350.
- Pemerintah RI (2012) *PERATURAN PEMERINTAH REPUBLIK INDONESIA NOMOR 37 TAHUN 2012 TENTANG PENGELOLAAN DAERAH ALIRAN SUNGAI*. Indonesia.
- Pradhan, M.P., Yash, K.R. and Ghose, M.K. (2012) 'Automatic Association of Strahler ' s Order and Attributes with the Drainage System', *International Journal of Advanced Computer Science and Applications*, 3(8), pp. 30–34.
- Prashati, A. *et al.* (2011) 'Landform Analysis and Classification with Geographic Information

- PT. Virama Karya (2020) *Laporan Sistem Planning Detail Desain Bangunan Penampung Air Wilayah Sungai Serayu Bogowonto*. Semarang.
- Putra, R.D. (2021) *Analisis Penginderaan Jauh dan Sistem Informasi Geografis untuk Identifikasi Mulut Gua Melalui Pendekatan Elemen Topografi di Kawasan Karst Gombang Selatan*. Universitas Gadjah Mada.
- Puturuhu, F. (2017) *PENGEMBANGAN METODE PENGINDERAAN JAUH DAN SISTEM INFORMASI GEOGRAFIS UNTUK PEMETAAN KERAWANAN LONGSORLAHAN DI JAZIRAH LEITIMUR PULAU AMBON*. Universitas Gadjah Mada.
- Robaina, L.E.D.S. and Tretin, R. (2020) 'Automated Classification of Landforms With GIS Support', *Mercator*, 10(e19012), pp. 1–16.
- Rohmana, S.F., Rusgiyono, A. and Sugito, S. (2019) 'PENENTUAN FAKTOR-FAKTOR YANG MEMPENGARUHI INTENSITAS CURAH HUJAN DENGAN ANALISIS DISKRIMINAN GANDA DAN REGRESI LOGISTIK MULTINOMIAL (Studi Kasus: Data Curah Hujan Kota Semarang dari Stasiun Meteorologi Maritim Tanjung Emas Periode Oktober 2018 – Maret 201)', *Jurnal Gaussian*, 8(3), pp. 398–406. Available at: <https://doi.org/10.14710/j.gauss.v8i3.26684>.
- Rr. Anna Dyah Retno Manuhoro (2012) *PEMANFAATAN CITRA DIGITAL ALOS AVNIR-2 DAN SIG UNTUK EVALUASI SUMBERDAYA LAHAN DI WILAYAH PESISIR BANTUL*. Universitas Gadjah Mada.
- Santosa, L.W. (2016) 'Kajian Hidrogeomorfologi Mataair di Sebagian Lereng Barat Gunungapi Lawu', *Forum Geografi*, 20(1), pp. 68–85. Available at: <https://doi.org/10.23917/forgeo.v20i1.1805>.
- Schenkelaars, V. and Oosterom, P. Van (1995) 'Map-Overlay Within a Geographic Interaction Language', (93), pp. 281–290.
- Schmugge, T.J. *et al.* (1998) 'Remote sensing in hydrology', *Geophysical Monograph Series*, 108, pp. 165–177. Available at: <https://doi.org/10.1029/GM108p0165>.
- Setiawan, B. *et al.* (2015) *Teori dan Praktik Pengelolaan DAS Terpadu*.
- Silaban, S., Sitanggang, P. and Debataraja, S. (2022) 'Analisa Stabilitas Lereng Tanah Longsor Pada Jalan Dolok Sanggul-Pakkat dan Penanggulangannya Sta 129+043,8 (Study Laboratorium)', *Jurnal Ilmiah Teknik Sipil*, 11(2), pp. 253–265. Available at: <https://doi.org/http://dx.doi.org/10.46930/tekniksipil.v11i2.2724>.
- Sitorus, D.I.S.R.P. (1985) *Evaluasi Sumberdaya Lahan*. Bandung: Tarsito.



- Staddal, I., Haridjaja, O. and Hidayat, Y. (2017) 'Analisis debit aliran sungai DAS Bila, Sulawesi Selatan', *Jurnal Sumber Daya Air*, 12(2), pp. 117–130. Available at: <https://doi.org/10.32679/jsda.v12i2.56>.
- Striffler, W.D. and Fitz, D.C. (1980) 'Applications of remote sensing in hydrology'. Colorado State University. Libraries.
- Sumedi, N., Simon, H. and Djuwantoko (2012) 'STRATEGI PENGELOLAAN PEGUNUNGAN JAWA: STUDI KASUS PEGUNUNGAN DIENG JAWA TENGAH, INDONESIA (Strategy Analysis of Java Mountain Management : Case Study on Dieng Mountain , Central of Java , Indonesia)', *Jurnal Penelitian Kehutanan Wallacea*, 1(1), pp. 36–49.
- Sutanto (1986) *Penginderaan Jauh Jilid 1*. Yogyakarta: UGM Press.
- Sutanto, S. (2013) 'Metode penelitian penginderaan jauh'. Yogyakarta: Penerbit Ombak.
- Triatmodjo, B. (2008) *Hidrologi Terapan*. Edisi 1. Yogyakarta: Beta Offset Yogyakarta.
- Twidale, C.R. (1971) *Structural Landforms: Landforms associated with granitic rocks, faults, and folded strata*. CANBERRA: AUSTRALIAN NATIONAL UNIVERSITY PRESS.
- Unit, B. (2008) 'Inland Waters Biodiversity - What is It?'
- Valentin Herbei, M., Ular, R. and Dragomir, L. (2011) 'Map overlay in G.I.S', *POLITEHNICA" din Timișoara Seria HIDROTEHNICA TRANSACTIONS on HYDROTECHNICS Tom, 56(70)*, pp. 91–94.
- Verstappen, H.T. (1983) *Applied geomorphology: geomorphological surveys for environmental development*. Amsterdam.
- Vrščaj, B., Daroussin, J. and Montanarella, L. (2007) *SRTM as a possible source of elevation information for soil-landscape modelling*. Springer.
- Wahyudin, A. (2020) *Kajian Perambatan Kesalahan Pada Analisis Tumpangsusun untuk Pemetaan Penggunaan Lahan Berbasis Pengetahuan Skala 1:50.000 Studi Kasus Kota Salatiga*. Universitas Gadjah Mada.
- Wendland, W.M. *et al.* (1998) 'Encyclopedia of Hydrology and Water Resources', in Reginald W Herschy and R.W. Fairbridge (eds). Dordrecht: Springer Netherlands, pp. 400–404. Available at: https://doi.org/10.1007/978-1-4020-4497-7_121.
- Wicaksanti, W.R., Hadiani, R.R.R. and Setiono, S. (2019) 'Analisis Kekeringan Hidrologi Berdasarkan Standardized Precipitation Index (Spi) Di Daerah Aliran Sungai Tirtomoyo Kabupaten Wonogiri', *Matriks Teknik Sipil*, 7(3), pp. 272–281. Available at: <https://doi.org/10.20961/mateksi.v7i3.36498>.



- Widyatmanti, W., Wicaksono, I. and Syam, P.D.R. (2016) 'Identification of topographic elements composition based on landform boundaries from radar interferometry segmentation (preliminary study on digital landform mapping)', *IOP Conference Series: Earth and Environmental Science*, 37(1). Available at: <https://doi.org/10.1088/1755-1315/37/1/012008>.
- Zada, N. *et al.* (2023) 'Dam site selection using remote sensing techniques and geographical information system (GIS): A case study of Kurram Tangi North Waziristan', pp. 1–13. Available at: <http://dx.doi.org/10.21203/rs.3.rs-2447939/v1>.
- Van Zuidam, R.A. (1985) *Aerial photo-interpretation in terrain analysis and geomorphologic mapping*. Netherlands: Printed Smith Publishers.