

## DAFTAR PUSTAKA

- Aedla, R., Iki, K., & Homma, R. (2016). *Landscape architecture with floriculture for hyderabad city planning using geographical information system Landscape Architecture with Floriculture for Hyderabad City Planning Using Geographical Information System. January.*
- Afwillah, B., Pramesti, L., & Cahyono, U. J. (2022). Kawasan Wisata Embung Tambakboyo di Kabupaten Sleman dengan Penekanan Lanskap. *Senthong*, 5(1), 194–205.
- Anchan, S. S., & Prasad, S. (2021). Feasibility of roof top rainwater harvesting potential - A case study of South Indian University. *Cleaner Engineering and Technology*, 4, 100206. <https://doi.org/10.1016/j.clet.2021.100206>
- Angin, I. S., & Sunimbar. (2021). Analisis Perubahan Penggunaan Lahan Kota Kupang Nusa Tenggara Timur Tahun 2010-2018 (Studi Kasus di Kecamatan Kelapa Lima, Oebobo, dan Kota Lama). *Jurnal Geoedusains*, 2(1), 36–52.
- Arendt, R., Reinhardt-Imjela, C., Schulte, A., Faulstich, L., Ullmann, T., Beck, L., Martinis, S., Johannes, P., & Lengricht, J. (2021). Natural pans as an important surface water resource in the cuvelai basin—metrics for storage volume calculations and identification of potential augmentation sites. *Water (Switzerland)*, 13(2). <https://doi.org/10.3390/w13020177>
- Arnowo, H. (2020). *PENGAMANAN SITU, DANAU, EMBUNG DAN WADUK SEBAGAI KEKAYAAN NEGARA MELALUI PENDAFTARAN TANAH PRESERVING SMALL LAKES, LAKES, PUBLIC PONDS, AND RESERVOIRS AS STATE PROPERTY THROUGH LAND REGISTRATION* (Vol. 2, Issue 2).
- Asdak, C. (2002). *Hidrologi dan Pengelolaan Daerah Aliran Sungai*. Gadjah Mada University Press.
- Asmar, N. F., Sim, J. O. L., Ghodieh, A., & Fauzi, R. (2021). Effect of Land Use\Land Cover Changes on Estimated Potential Runoff in the Nablus Mountains Watersheds of Palestine: A Case Study. *Journal of the Indian Society of Remote Sensing*, 49(5), 1067–1080. <https://doi.org/10.1007/s12524-020-01278-2>
- Balkhair, K. S., & Ur Rahman, K. (2021). Development and assessment of rainwater harvesting suitability map using analytical hierarchy process, GIS and RS techniques. *Geocarto International*, 36(4), 421–448. <https://doi.org/10.1080/10106049.2019.1608591>
- Batista, P. V. G., Fiener, P., Scheper, S., & Alewell, C. (2022). A conceptual-model-based sediment connectivity assessment for patchy agricultural catchments. *Hydrology and Earth System Sciences*, 26(14), 3753–3770. <https://doi.org/10.5194/hess-26-3753-2022>

- BMKG. (2017). *Kilas Balik Kejadian Cuaca, Iklim, dan Gempabumi 2016 'INDONESIA RENTAN BENCANA'*.  
<https://www.bmkg.go.id/berita/?p=kilas-balik-kejadian-cuaca-iklim-dan-gempabumi-indonesia-rentan-bencana&lang=ID&tag=berita-utama>
- BMKG. (2019). *Kilas Balik 2019: Kejadian Bencana Terkait Cuaca, Iklim, dan Gempabumi*. <https://www.bmkg.go.id/berita/?p=kilas-balik-2019-kejadian-bencana-terkait-cuaca-iklim-dan-gempabumi&lang=ID>
- Bria, M., Sutirto, & Muda, A. H. (2017). Analisis Kriteria untuk Perencanaan Program Pemeliharaan Embung Irigasi (Studi Kasus : Embung Haliwen dan Haekrit Kabupaten Belu). *Jurnal Teknik Sipil Dan Perencanaan*, 19(2), 83–89.  
<https://journal.unnes.ac.id/nju/index.php/jtsp/article/download/11112/7000%0A%0A>
- Christanto, N., Setiawan, M. A., Nurkholis, A., Istikhomah, S., Anajib, D. W., & Purnomo, A. D. (2019). Rainfall-Runoff and Sediment Yield Modelling in Volcanic catchment using SWAT, a Case Study in Opak Watershed. *IOP Conference Series: Earth and Environmental Science*, 256(1).  
<https://doi.org/10.1088/1755-1315/256/1/012015>
- Darabi, H., Moradi, E., Davudirad, A. A., Ehteram, M., Cerda, A., & Haghighi, A. T. (2021). Efficient rainwater harvesting planning using socio-environmental variables and data-driven geospatial techniques. *Journal of Cleaner Production*, 311(December 2020).  
<https://doi.org/10.1016/j.jclepro.2021.127706>
- de Sá Silva, A. C. R., Bimbato, A. M., Balestieri, J. A. P., & Vilanova, M. R. N. (2022). Exploring environmental, economic and social aspects of rainwater harvesting systems: A review. *Sustainable Cities and Society*, 76(March 2021). <https://doi.org/10.1016/j.scs.2021.103475>
- Demeke, G. G., Andualem, T. G., & Kassa, M. (2021). Evaluation of the sustainability of existing rainwater harvesting ponds: A case study of Lay Gayint District, South Gondar zone, Ethiopia. *Heliyon*, 7(7).  
<https://doi.org/10.1016/j.heliyon.2021.e07647>
- Detik.com. (2022). *Embung Dlingseng di Kulon Progo Nyaris Ambrol Bikin Warga Khawatir*. <https://www.detik.com/jateng/jogja/d-6053662/embung-dlingseng-di-kulon-progo-nyaris-ambrol-bikin-warga-khawatir>
- Dharma, I. G. A., Waspodo, R. S. B., & Pandjaitan, N. (2021). Analisis Pengaruh Perubahan Penggunaan Lahan terhadap Debit Sungai (Studi Kasus : Sub DAS Cikeas). *Jurnal Teknik Sipil Dan Lingkungan*, 6(2), 121–132.  
<https://doi.org/10.29244/jsil.6.2.121-132>
- Keputusan Direktur Jenderal Perhubungan Laut Tentang Petunjuk Teknis Pelaksanaan Survei Hidrooceanografi Di Lingkungan Jenderal Perhubungan Laut, (2018).

- DPUPKP Kab. Kulon Progo. (2022). *Potensi Ketersediaan Air di Kabupaten Kulon Progo (Bagian I)*. <https://dpu.kulonprogokab.go.id/detil/855/potensi-ketersediaan-air-di-kabupaten-kulonprogo-bagian-i>
- Drisya, J., & Sathish Kumar, D. (2022). Evaluation of the drought management measures in a semi-arid agricultural watershed. *Environment, Development and Sustainability*, 0123456789. <https://doi.org/10.1007/s10668-021-02079-4>
- Fandeli, C., & Muhamad. (2009). *Prinsip-prinsip Dasar Mengkonservasi Lanskap*. UGM Press.
- Farah, A., & Algarni, D. (2014). Positional accuracy assessment of Googleearth in Riyadh. *Artificial Satellites*, 49(2), 101–106. <https://doi.org/10.2478/arsa-2014-0008>
- Frasetya, B., Setiati, Y., Septianugraha, R., & Muhammad, G. (2018). Pemanfaatan Citra Landsat 8 dan Google Earth untuk Identifikasi Lahan Sawah di Kecamatan Cibiru Kota Bandung. *Agroteknologi Tropika*, 7(3), 428–436. <https://ojs.unud.ac.id/index.php/JAT>
- Goswami, H., & Li, S. S. (2022). Superposition-based approach to generating river bathymetry: A case study. *Canadian Journal of Civil Engineering*.
- Harian Bhirawa Online. (2020). *Ratusan Embung di Kabupaten Bojonegoro Mengalami Kekeringan*. <https://www.harianbhirawa.co.id/ratusan-embung-di-kabupaten-bojonegoro-mengalami-kekeringan/>
- Henrico, I. (2021). Optimal interpolation method to predict the bathymetry of Saldanha Bay. *Transactions in GIS*, 25(4), 1991–2009. <https://doi.org/10.1111/tgis.12783>
- Ibrahim, P. O., Sternberg, H., Samaila-Ija, H. A., Adgidzi, D., & Nwadiolor, I. J. (2022). Modelling topo-bathymetric surface using a triangulation irregular network (TIN) of Tunga Dam in Nigeria. *Applied Geomatics*, 0123456789. <https://doi.org/10.1007/s12518-022-00438-y>
- Instruksi Presiden Republik Indonesia Nomor 1 Tahun 2018 Tentang Percepatan Penyediaan Embung Kecil dan Penampung Air Lainnya di Desa, Pub. L. No. 1, 1 (2018).
- International Hydrographic Organization. (2008). IHO Standards for Hydrographic Surveys. In *Special Publication No. 44* (5th ed.). International Hydrographic Bureau.
- Jannah, W. (2020). *Embung dan Pemberdayaan Masyarakat: Studi Proses, Model, dan Dampak Pemberdayaan Masyarakat di Dusun Tonogoro, Banjaroya, Kalibawang, Kulon Progo, Yogyakarta*.
- Kalurahan Banjaroyo. (2020). *PESONA EMBUNG KRAPYAK BANJAROYO, KALIBAWANG, KULON PROGO*. <https://banjaroyo->

[kulonprogo.desa.id/index.php/artikel/2020/2/24/pesona-embung-krapyak-banjaroyo-kalibawang-kulon-progo](http://kulonprogo.desa.id/index.php/artikel/2020/2/24/pesona-embung-krapyak-banjaroyo-kalibawang-kulon-progo)

KDPDPTT. (2017). *Kementerian Desa, Pembangunan Daerah Tertinggal, dan Transmigrasi*.

[https://www.kemendesa.go.id/berita/content/detail\\_infografis/4](https://www.kemendesa.go.id/berita/content/detail_infografis/4) Program Prioritas Pembangunan Desa

Kementerian ATR/BPN. (2020). *Pengendalian Pemanfaatan Ruang Kawasan Danau*. Direktorat Pengendalian Pemanfaatan Ruang, Direktorat Jenderal Pengendalian dan Penertiban Tanah dan Ruang Kementerian Agraria dan Tata Ruang/Badan Pertanahan Nasional.

Kementerian ATR/BPN. (2021). *Pengendalian Pemanfaatan Ruang Kawasan Situ, Danau, Embung, dan Waduk (SDEW)*.

Surat Edaran Nomor 07/SE/M/2018 tentang Pedoman Pembangunan Embung Kecil dan Bangunan Penampung Air Lainnya di Desa, 1.

Kementerian PUPR. (2017). <https://pu.go.id/berita/kementerian-pupr-bangun-830-embung-di-seluruh-indonesia>

Kementerian PUPR. (2019). *Kementerian PUPR Bangun 949 Embung Dalam Empat Tahun Terakhir*.

<https://sda.pu.go.id/balai/bwssumatera1/article/kementerian-pupr-bangun-949-embung-dalam-empat-tahun-terakhir>

Kementerian PUPR. (2020). *Embung Tahun 2021 - Embung / Open Data PUPR*. <https://data.pu.go.id/dataset/embung/resource/4fc63d7e-9ce6-4ae0-b66d-97a63468028a#%7B%7D>

Pedoman Bahan Konstruksi Bangunan dan Rekayasa Sipil, (2019). <https://binamarga.pu.go.id/>

Peraturan Menteri PUPR No. 1 Tahun 2022 tentang Pedoman Penyusunan Perkiraan Biaya Pekerjaan Konstruksi Bidang Pekerjaan Umum dan Perumahan Rakyat, 1 (2022).

Khzr, B. O., Ibrahim, G. R. F., Hamid, A. A., & Ail, S. A. (2022). Runoff estimation using SCS-CN and GIS techniques in the Sulaymaniyah sub-basin of the Kurdistan region of Iraq. *Environment, Development and Sustainability*, 24(2), 2640–2655. <https://doi.org/10.1007/s10668-021-01549-z>

Kodoatie, R. J., & Sjarief, R. (2010). *Tata Ruang Air (I)*. Penerbit Andi.

Kompas.com. (2009). *Banyak Embung Rusak dan Kering di Kulon Progo*. <https://regional.kompas.com/read/2009/08/14/1456174/~Regional~Jawa>

Kumar, S., Ramilan, T., Ramarao, C. A., Rao, C. S., & Whitbread, A. (2016). Farm level rainwater harvesting across different agro climatic regions of India: Assessing performance and its determinants. *Agricultural Water*

*Management*, 176, 55–66. <https://doi.org/10.1016/j.agwat.2016.05.013>

- Kumar, T., & Jhariya, D. C. (2017). Identification of rainwater harvesting sites using SCS-CN methodology, remote sensing and Geographical Information System techniques. *Geocarto International*, 32(12), 1367–1388. <https://doi.org/10.1080/10106049.2016.1213772>
- Kumari, A., & Singh, A. (2021). Delineation of Groundwater Potential Zone using Analytical Hierarchy Process. *Journal of the Geological Society of India*, 97(8), 935–942. <https://doi.org/10.1007/s12594-021-1794-z>
- Laukli, K., Gamborg, M., Haraldsen, T. K., & Vike, E. (2022). Soil and plant selection for rain gardens along streets and roads in cold climates: Simulated cyclic flooding and real-scale studies of five herbaceous perennial species. *Urban Forestry and Urban Greening*, 68, 127477. <https://doi.org/10.1016/j.ufug.2022.127477>
- Li, L., Yang, J., & Wu, J. (2019). A method of watershed delineation for flat terrain using sentinel-2A imagery and DEM: A case study of the Taihu basin. *ISPRS International Journal of Geo-Information*, 8(12). <https://doi.org/10.3390/ijgi8120528>
- Luu, T. T., & Hien, N. T. T. (2022). Rooftop rainwater harvesting and artificial groundwater recharge - a case study: Thanh Xuan district in south of Hanoi. *Vietnam Journal of Earth Sciences*. <https://doi.org/10.15625/2615-9783/17081>
- Mahmood, K., Qaiser, A., Farooq, S., & Nisa, M. un. (2020). RS- and GIS-based modeling for optimum site selection in rain water harvesting system: an SCS-CN approach. *Acta Geophysica*. <https://doi.org/https://doi.org/10.1007/s11600-020-00460-x>
- Mangi, H. O., Onywere, S. M., Kitur, E. C., Lalika, M. C. S., & Chilagane, N. A. (2022). Hydrological response to land use and land cover change on the slopes of Kilimanjaro and Meru Mountains. *Ecohydrology and Hydrobiology*, 22(4), 609–626. <https://doi.org/10.1016/j.ecohyd.2022.08.002>
- Mardiatno, D., Faridah, F., Sunarno, S., Wahyu Arifudin Najib, D., Widyaningsih, Y., & Setiawan, M. A. (2021). TATAKELOLA LANSKAP RAWAPENING BERDASARKAN TINGKAT RESIKO BENCANA LINGKUNGAN DI SUB DAS RAWAPENING (Landscape governance of Rawapening based on the level of environmental disaster risk in the Rawapening Sub Watershed). *Jurnal Penelitian Pengelolaan Daerah Aliran Sungai*, 5(1), 21–40. <https://doi.org/10.20886/jppdas.2021.5.1.21-40>
- Marques, G. M., Pessi, D. D., Haupenthal, M. R., Rodrigues, M. G., Rodrigues, É. S., Nascimento, L. N., Cano, É. V., Corrêa, K. S., & Filho, A. C. P. (2021). Water reservoir volume estimation with free software through data obtained with remotely-operated ships | Estimativa de volume de reservatório de água com software livre através de dados obtidos com embarcação remotamente



pilotada. *Revista Brasileira de Geografia Fisica*, 14(7), 3804–3813.  
<https://doi.org/10.26848/rbgr.v14.7.p3804-3813>

Márquez, J. D., Peña, L. E., Barrios, M., & Leal, J. (2021). Detection of rainwater harvesting ponds by matching terrain attributes with hydrologic response. *Journal of Cleaner Production*, 296.  
<https://doi.org/10.1016/j.jclepro.2021.126520>

Mdee, O. J., & Tembo, M. M. (2021). Identification of potential sites for surface runoff harvesting in the semi-arid area for developing cities. A case study of Dodoma urban, Tanzania. *Arabian Journal of Geosciences*, 14(21).  
<https://doi.org/10.1007/s12517-021-08549-3>

Media Indonesia. (2017, August 15). *Embung Amankan Kulon Progo*.  
<https://mediaindonesia.com/nusantara/117789/embung-amankan-kulon-progo>

Moine, N. Le, & Mahdade, M. (2021). A preliminary assessment of a newly-defined multispectral hue space for retrieving river depth with optical imagery and in situ calibration data. *Remote Sensing*, 13(21).  
<https://doi.org/10.3390/rs13214435>

Mugo, G. M., & Odera, P. A. (2019). Site selection for rainwater harvesting structures in Kiambu County-Kenya. *Egyptian Journal of Remote Sensing and Space Science*, 22(2), 155–164.  
<https://doi.org/10.1016/j.ejrs.2018.05.003>

Munandar, A., Kusumoarto, A., & Gunawan, A. (2020). *Manajemen Lanskap*. IPB Press.

Naseri, F., Azari, M., & Dastorani, M. T. (2021). Spatial optimization of soil and water conservation practices using coupled SWAT model and evolutionary algorithm. *International Soil and Water Conservation Research*, 9(4), 566–577. <https://doi.org/10.1016/j.iswcr.2021.04.002>

Nugroho, H. Y. S. H., Basuki, T. M., Pramono, I. B., Savitri, E., Purwanto, Indrawati, D. R., Wahyuningrum, N., Adi, R. N., Indrajaya, Y., Supangat, A. B., Putra, P. B., Auliyani, D., Priyanto, E., Yuwati, T. W., Pratiwi, Narendra, B. H., Sukmana, A., Handayani, W., Setiawan, O., & Nandini, R. (2022). Forty Years of Soil and Water Conservation Policy, Implementation, Research and Development in Indonesia: A Review. In *Sustainability (Switzerland)* (Vol. 14, Issue 5). MDPI. <https://doi.org/10.3390/su14052972>

Oladosu, S. O., Ojigi, L. M., Aturuocha, V. E., Anekwe, C. O., & Tanko, R. (2019). An investigative study on the volume of sediment accumulation in Tagwai dam reservoir using bathymetric and geostatistical analysis techniques. *SN Applied Sciences*, 1(5), 1–13. <https://doi.org/10.1007/s42452-019-0393-8>

Paimin, Pramono, I. B., Purwanto, & Indrawati, D. R. (2012). *Sistem*

*Perencanaan Pengelolaan Daerah Aliran Sungai* (H. Santoso & Pratiwi (Eds.)). Pusat Penelitian dan Pengembangan Konservasi dan Rehabilitasi (P3KR).

Panhwar, V., Zaidi, A., Ullah, A., & Edgar, T. N. (2021). Impact of water sector interventions on economy , equity , and environment in the rainfed region of Punjab , Pakistan. *Environment, Development and Sustainability*, 23(2), 2190–2203. <https://doi.org/10.1007/s10668-020-00669-2>

Pemerintah Kabupaten Kulon Progo. (2016). *Dokumen Informasi Kinerja Pengelolaan Lingkungan Hidup Daerah Kabupaten Kulon Progo Tahun 2016*.

Pemerintah Kabupaten Kulonprogo. (2017). *Perda Rencana Pembangunan Jangka Menengah Daerah Kabupaten Kulonprogo 2016-2021*. [https://bappeda.kulonprogokab.go.id/files/RPJMD KABUPATEN KULON PROGO 2017-2022 rev2.pdf](https://bappeda.kulonprogokab.go.id/files/RPJMD%20KABUPATEN%20KULON%20PROGO%202017-2022%20rev2.pdf)

Peraturan Bupati Kulon Progo Nomor 31 Tahun 2022 Tentang Standar Harga Satuan Barang dan Jasa Tahun Anggaran 2023, Pub. L. No. 31 Tahun 2022.

Pradhan, D., Ancey, T., Drynan, R., & Harris, M. (2011). Management of Water Reservoirs (Embungs) in West Timor, Indonesia. *Water Resources Management*, 25(1), 339–356. <https://doi.org/10.1007/s11269-010-9702-0>

Prianto, E., Umar, C., Setiadi Kartamihardja, E., & Husnah, D. (2017). *MANAGEMENT AND UTILIZATION OF DAMS AND SMALL RESERVOIRS IN EAST NUSA TENGGARA PROVINCE*. <http://ejournal-balitbang.kkp.go.id/index.php/jkpi>

Prijambodo. (2018). *Monitoring dan Evaluasi*. Penerbit IPB Press.

PT. AMT Consultants. (2015). *Laporan Akhir Detail Desain Embung Kecamatan Kalibawang, Kulon Progo*.

Rahmi, M., Setiawan, M. A., & Mardiatno, D. (2019). Analisis Kekeringan Berdasarkan Bentuklahan Di Das Bompon. *Media Komunikasi Geografi*, 20(2), 90. <https://doi.org/10.23887/mkg.v20i2.18399>

Rautela, K. S., Kumar, M., Khajuria, V., & Alam, M. A. (2022). Comparative geomorphometric approach to understand the hydrological behaviour and identification of the Erosion prone areas of a coastal watershed using RS and GIS tools. *Discover Water*, 2(1). <https://doi.org/10.1007/s43832-021-00009-z>

Saadi, Y. (2013). Post-construction problems of embung in lombok island and the operation and maintenance works. *Procedia Engineering*, 54, 648–660. <https://doi.org/10.1016/j.proeng.2013.03.059>

Sari, N. F. (2018). *Mengenal Sistem Informasi Geografis dan Manfaatnya*. Saka Mitra Kompetensi.

- Semiun, O. E. (2019). Identifikasi Kerusakan dan Rekomendasi Perbaikan Embung Kecil di Kota Kupang, Provinsi Nusa Tenggara Timur. *Jurnal Pengabdian Pada Masyarakat*, 4(3), 341–352.  
<https://doi.org/10.30653/002.201943.172>
- TaniKU. (2016). *Info Agrowisata*.  
<http://taniku.kulonprogokab.go.id/agrowisata/detail/2>
- Tavares, L. C., Bravo, J. M., Tassi, R., Almeida, I. R., & Wartchow, D. (2022). Socioeconomic potential for rainwater harvesting systems in southern Brazilian municipalities. *Water Supply*, 22(1), 14–30.  
<https://doi.org/10.2166/ws.2021.291>
- Thanh, V. Q., Roelvink, D., van der Wegen, M., Tu, L. X., Reyns, J., & Linh, V. T. P. (2020). Spatial Topographic Interpolation for Meandering Channels. *Journal of Waterway, Port, Coastal, and Ocean Engineering*, 146(5), 1–11.  
[https://doi.org/10.1061/\(asce\)ww.1943-5460.0000582](https://doi.org/10.1061/(asce)ww.1943-5460.0000582)
- Tim Koordinasi Penataan Ruang Kawasan Perkotaan Jabodetabekpunjur. (2022). *Kerangka Kerja Pengelolaan Hulu Hilir SDEW* (Issue November).
- Trivedi, A., Awasthi, M. K., & Singh, M. (2022). Application of RS and GIS for Determination of Various Criteria Causing Drying of Kanari River System. In P. Kumar, G. K. Nigam, M. K. Sinha, & A. Singh (Eds.), *Water Resources Management and Sustainability* (pp. 305–332). Springer Nature.
- Trubus, R. (2017). *Menabung Air Dalam Embung* (R. Trubus (Ed.)). Trubus Swadaya.
- Uciechowska-Grakowicz, A., & Herrera-Granados, O. (2021). Riverbed mapping with the usage of deterministic and geo-statistical interpolation methods: The odra river case study. *Remote Sensing*, 13(21).  
<https://doi.org/10.3390/rs13214236>
- Ulfa, A., Suprayogi, S., & Khoirullah, E. M. (2017). Perhitungan Kapasitas Waduk Ngancar Batuwarno, Wonogiri, Jawa Tengah. *Media Komunikasi Geografi*, 18(2), 156–165.
- Umarhadi, D. A., & Danoedoro, P. (2019). Correcting topographic effect on Landsat-8 images: an evaluation of using different DEMs in Indonesia. *Proc.SPIE*, 11311, 113110L. <https://doi.org/10.1117/12.2549109>
- Umugwaneza, A., Chen, X., Liu, T., Mind'je, R., Uwineza, A., Kayumba, P. M., Uwamahoro, S., Umuhoza, J., Gasirabo, A., & Maniraho, A. P. (2022). Integrating a GIS-based approach and a SWAT model to identify potential suitable sites for rainwater harvesting in Rwanda. *Journal of Water Supply: Research and Technology-Aqua*, 00(0), 1–18.  
<https://doi.org/10.2166/aqua.2022.111>
- Utami, W., Gede Kusuma Artika, I., & Arisanto, A. (2018). The Application of Remote Sensing Satellite Imagery to Accelerate Identification of. *Bhumi*,



4(1), 53–66.

Undang-undang Nomor 17 Tahun 2019 tentang Sumber Daya Air, Jdih Bpk Ri Database Peraturan 50 (2019).

<https://peraturan.bpk.go.id/Home/Details/122742/uu-no-17-tahun-2019>

Wale, A., Abera, M., & Beza, G. (2022). Performance evaluation of technical aspects of ex-situ rainwater harvesting systems at Wag-Lasta, Northern, Ethiopia. *Journal of Applied Water Engineering and Research*, 10(1), 39–51. <https://doi.org/10.1080/23249676.2021.1919572>

Waskita, T. B., Jatti, A. P., Karunia, B., Putra, D., Satya, F. A., Rifqy, M., Dwi Pramanto, T., & Setiawan, M. A. (2022). ASSESSMENT OF ECOSYSTEM SERVICES AND ENVIRONMENTAL DEGRADATION BY USING A LANDSCAPE APPROACH IN THE RIPARIAN AREA OF LAKE RAWAPENING. *Jurnal Geografi Gea*, 22(1). <https://ejournal.upi.edu/index.php/gea>

Widiyono, W. (2019). *Pendekatan lanskap ekosistem embung untuk pemanfaatan air irigasi di lahan beriklim kering nusa tenggara timur*.

Wilopo, W., Setiawan, H., & Prakasa Eka Putra, D. (2020). *Jurnal Presipitasi Evaluation of Artificial Reservoir Management in Sleman Regency, Yogyakarta Special Region*. 17(3), 205–214.

Wulandari, A., & Cahyono, B. K. (2020). Estimasi Volume Sedimentasi Waduk Sermo Menggunakan Metode RUSLE, Batimetri dan Angkutan Sedimen. *JGISE: Journal of Geospatial Information Science and Engineering*, 3(1), 39. <https://doi.org/10.22146/jgise.53719>