

## DAFTAR PUSTAKA

- Ahmad, S. (2015). *Waduk Sempor Benar-benar Kritis*.  
<http://www.kebumenekspres.com/2015/11/waduk-sempor-benar-benar-kritis.html>. Diakses oleh Satrio Budiman pada 16 Agustus 2022.
- Alcaras, E., Parente, C., dan Vallario, A. (2019). Comparison of Different Interpolation Methods for DEM Production. *International Journal of Advanced Trends in Computer Science and Engineering*, 8(4), 1654 – 1659.
- Aldrian, E. dan Susanto, R. D. (2003). Identification of Three Dominant Rainfall Regions within Indonesia and Their Relationship to Sea Surface Temperature. *International Journal of Climatology*, 23(12): 1435 – 1452.
- Alfianto, A. dan Soewarno. (2014). Teknosabo Untuk Mengatasi Sedimentasi di Daerah Tangkapan Air Waduk (Kasus Waduk Mrica). *Jurnal Teknik Hidraulik*, 5(1), 83 – 98.
- Ali, M. H. dan Abustan, I. (2014). A New Novel Index for Evaluating Model Performance. *Journal of Natural Resources and Development*, 4, 1 – 9.
- Alt, K., Osborn, C., dan Colacicco, D. (1989). *Soil Erosion: What Effect on Agricultural Productivity?*. Washington D. C.: U.S. Department of Agriculture, Economic Research Service.
- Andriawati, I. D. (2015). Efektivitas Kegiatan Pengerukan Sedimen Waduk Wonogiri Ditinjau Dari Nilai Ekonomi. *Jurnal Teknik Pengairan*, 6(1), 55 – 65.
- Annandale, G. W., Morris, G. L., dan Karki, P. (2016). *Extending The Life of Reservoirs: Sustainable Sediment Management for Dams and Run-of-River Hydropower*. Washington D. C.: The World Bank.
- Arifandi, F. dan Ikhsan C. (2019). Pengaruh Sedimen Terhadap Umur Layanan pada Tampungan Mati (*Dead Storage*) Waduk Krisak di Wonogiri dengan Metode USLE (*Universal Soil Losses Equation*). *Matriks Teknik Sipil*, 7(4), 430 – 439.
- Arsyad, S. (2010). *Konservasi Tanah dan Air*. Bogor: IPB Press.

- Arunrat, N., Sereenonchai, S., Kongsurakan, P., dan Hatano, R. (2022). Soil Organic Carbon and Soil Erodibility Response to Various Land-use Changes in Northern Thailand. *Catena*, 219, 1 – 12.
- Asdak, C. (2020). *Hidrologi dan Pengelolaan Daerah Aliran Sungai*. Yogyakarta: Gadjah Mada University Press.
- Azmeri. (2020). *Erosi, Sedimentasi, dan Pengelolaannya*. Banda Aceh: Syiah Kuala University Press.
- Badan Penelitian dan Pengembangan Pertanian. (2004). *Teknologi Konservasi Tanah pada Lahan Kering Berlereng*. Bogor: Pusat Penelitian dan Penelitian Tanah dan Agroklimat (Puslitbangtanak).
- Balai Besar Wilayah Sungai Serayu Opak. (2019). *Laporan Akhir Studi Optimasi Rencana Pengerukan Sedimen Waduk Sempor beserta Rencana Operasi dan Pembuangan Sedimen*. Yogyakarta: BBWS Serayu Opak.
- Balai Besar Wilayah Sungai Serayu Opak. (2020). *Tingkatkan Nilai Fungsi Waduk Sempor, BBWS Serayu Opak Akan Lakukan Pengerukan Sedimen*. <https://sda.pu.go.id/balai/bbwsserayuopak/tingkatkan-nilai-fungsi-waduk-sempor-bbws-serayu-opak-akan-lakukan-pengerukan-sedimen/>. Diakses oleh Satrio Budiman pada 16 Agustus 2022.
- Balai Besar Wilayah Sungai Serayu Opak. (2020). *Data dan Informasi Pengelolaan Sumber Daya Air*. Yogyakarta: BBWS Serayu Opak.
- Balai Besar Wilayah Sungai Serayu Opak. (2021). *Daerah Irigasi Sempor*. <https://sda.pu.go.id/balai/bbwsserayuopak/projects-item/daerah-irigasi-sempor/>. Diakses oleh Satrio Budiman pada 16 Agustus 2022.
- Balai Besar Wilayah Sungai Serayu Opak. (2022). *Laporan Pengamatan Bendungan Sempor*. Yogyakarta: BBWS Serayu Opak.
- Banuwa, I. (2013). *Erosi*. Jakarta: Prenadamedia Group.
- Bastari, K., Takeuchi, K., dan Ishidaira, H. (2001). The Examination of Sediment Production Estimation by The USLE Method in Mountainous Basins of Japan. *Journal of Hydraulic Engineering*, 45, 85 – 90.
- Batuca, D. G. dan Jordaan Jr., J. M. (2000). *Silting and Desilting of Reservoirs*. Rotterdam: A. A. Balkema.

- Bina Pengelolaan DAS dan Perhutanan Sosial. (2011). *Petunjuk Teknis Sistem Standar Operasi Prosedur (SSOP) Penanggulangan Banjir dan Tanah Longsor*. Jakarta: BPDASPS.
- Blanco, H. dan Lal, R. (2008). *Principles of Soil Conservation and Management*. New York: Springer.
- Calvo-Alvarado, J. C., Jiménez-Rodríguez, C. D., dan Jiménez-Salazar, V. (2014). Determining Rainfall Erosivity in Costa Rica: A Practical Approach. *Mountain Research and Development*, 34(1), 48 – 55.
- Chang, K. T. (2007). *Introduction to Geographic Information System: Fourth Edition*. New York: McGraw-Hill.
- Childs, C. (2004). Interpolating Surfaces in ArcGIS Spatial Analyst. *ArcUser*, 3235(569), 32 – 35.
- Christanto, N., Setiawan, M. A., Nurkholis, A., Istiqomah, S., Sartohadi, J., dan Hadi, M. P. (2018). Analisis Laju Sedimen DAS Serayu Hulu dengan Menggunakan Model SWAT. *Majalah Geografi Indonesia*, 32(1), 50 – 58.
- Condon, W. H. dkk. (1996). *Peta Geologi Lembar Banjarnegara dan Pekalongan (Geological Map of The Banjarnegara and Pekalongan Sheet, Jawa), Lembar (Quadrangle) 1408-4 dan 1409-1, Skala (Scale) 1:100.000*. Bandung: Pusat Penelitian dan Pengembangan Geologi. Departemen Pertambangan dan Energi.
- Cunha, E. R. (2017). Modeling Soil Erosion Using RUSLE and GIS in A Watershed Occupied by Rural Settlement in The Brazilian Cerrado. *Natural Hazards*, 85(2), 851 – 868.
- Dargahi, B. (2012). Reservoir Sedimentation. In *Encyclopedia of Lakes and Reservoir*. Amsterdam: Springer. [https://doi.org/10.1007/978-1-4020-4410-6\\_193](https://doi.org/10.1007/978-1-4020-4410-6_193).
- Dariah, A. Subagyo, Tafakresnanto, C., dan Marwanto, S. (2004). *Kepekaan Tanah terhadap Erosi*. Bogor: Puslitbang dan Agroklimat.
- DeLuca, T. H., Zackrisson, O., Bergman, I., Díez, B., dan Bergman, B. (2013). Diazotrophy in Alluvial Meadows of Subarctic River Systems. *PLOS ONE*, 8(11), 1 – 10.

- Detriana, I., Karimi, S., dan Indrawari. (2015). Literature Study: Managing Catchments for Hydropower Sustainability in Sumatera Barat. *ECOTROPHIC*, 13(1), 41 – 48.
- Dinas Pertanian dan Pangan Kabupaten Kebumen. (2021). *Buku Statistik Pertanian Tahun 2020*. Kebumen: Dinas Pertanian dan Pangan.
- Dinas PU-SDA dan Penataan Ruang Provinsi Jawa Tengah. (2018). *Rencana Strategis Dinas Pekerjaan Umum Sumber Daya Air dan Penataan Ruang Provinsi Jawa Tengah*. Semarang: Dinas PU-SDA dan Penataan Ruang Provinsi Jawa Tengah.
- El-Swaify, S., Dangler, E. W., dan Armstrong, C. L. (1982). *Soil Erosion by Water in The Tropics*. Honolulu: College of Tropical Agriculture and Human Resource, University of Hawaii.
- Fan, B. dan Morris, G. (1992). Reservoir Sedimentation I: Delta and Density Current Deposits. *Journal of Hydraulic Engineer*, 118(3), 354 – 369.
- Fauziah, J. dan Kurnianto, F. A. Pemanfaatan Citra Sentinel-2A untuk Identifikasi Sebaran Erosi dan Vegetasi di Sub DAS Bengawan Solo Hilir. *Majalah Pembelajaran Geografi*, 5(1), 44 – 54.
- Favis-Mortlock, D. (2002). Erosion by Water. In *Encyclopedia of Soil Science*. New York: Marcel Dekker.
- Fitryady, D. (2008). Sebaran Jenis Tanah Berdasarkan Jenis Formasi Geologi di Daerah Aliran Sungai (DAS) Waduk Sempor Kabupaten Kebumen. *Tesis*. Yogyakarta: Fakultas Pertanian Universitas Gadjah Mada.
- Foster, G. R., Young, R. A., Romkens, M. J. M., dan Onstad, C. A. (1985). Processes of Soil Erosion by Water. In *Soil Erosion and Crop Productivity*. New York: U.S. Department of Agriculture.
- Foster, I. D. L., Fullen, M. A., Brandsma, R. T., dan Chapman, A. S. (2000). Drip-screen Rainfall Simulators for Hydro- and Pedo-Geomorphological Research: The Coventry Experience. *Earth Surface Processes and Landforms*, 25(7), 691 – 707.
- Gerrard, A. J. (1981). *Soils and Landform*. London: George Allen and Unwin.
- Gill, M. A. (1979). Sedimentation and Useful Life of Reservoirs. *Journal of*

*Hydrology*, 44(1–2), 89–95.

- Goovaerts, P. (2000). Geostatistical Approaches for Incorporating Elevation into The Spatial Interpolation of Rainfall. *Journal of Hydrology*, 228(3), 113 – 129.
- Haregewyn N., Melesse, B., Tsunekawa, A., Tsubo, M., Meshesha, D., dan Balana, B. B. (2012). Reservoir Sedimentation and Its Mitigating Strategies: A Case Study of Angereb Reservoir (NW Ethiopia). *Journal of Soils Sediments*, 12(1), 291 – 305.
- Harto, S. (1993). *Analisis Hidrologi*. Jakarta: PT Gramedia Pustaka Utama
- Hatmoko, W. (2021). *Pengantar Perencanaan dan Pengoperasian Waduk*. Yogyakarta: Deepublish.
- Hehanussa, P. E. (2002). Ecohydrology and Tecto-Genesis of Small Islands in Indonesia. *Proceedings of Hydrology and Water Management in The Humid Tropics*. Paris: UNESCO.
- Hidayah, E., Widiarti, W. Y., dan Ammarulsyah, A. R. (2022). Zonasi Tingkat Kerawanan Banjir Bandang dengan Sistem Informasi Geografis di Sub-DAS Kaliputih Kabupaten Jember. *Jurnal Teknik Pengairan*, 13(2), 273 – 282.
- Honek, D., Michalkova, M. S., Smetanova, A., dan Socuvka, V. (2019). Estimating Sedimentation Rates in Small Reservoirs - Suitable Approaches for Local Municipalities in Central Europe. *Journal of Environmental Management*, 261, 1 – 13.
- Hutagaol, R. R. (2019). *Pengaruh Hutan dan Pengelolaan Daerah Aliran Sungai*. Yogyakarta: Deepublish.
- Idjudin, A. A. (2011). Peranan Konservasi Lahan dalam Pengelolaan Perkebunan. *Jurnal Sumberdaya Lahan*, 5(2), 103 – 116.
- Issa, I. E., Al-Ansari, N., Knutsson, S., dan Sherwany, G. (2013). Sedimentation Processes and Useful Life of Mosul Dam Reservoir, Iraq. *Engineering*, 5(10), 779 – 784.
- Issa, I. E., Al-Ansari, N., Knutsson, S., dan Sherwany, G. (2015). Monitoring and Evaluating the Sedimentation Process in Mosul Dam Reservoir Using Trap Efficiency Approaches. *Engineering*, 7(4), 190 – 202.

- Jiang, Q. Zhou, P., Liao, C., Liu, Y., dan Liu, F. (2020). Spatial Pattern of Soil Erodibility Factor (K) as Affected by Ecological Restoration in A Typical Degraded Watershed of Central China. *Science of the Total Environment*, 749, 1 – 12.
- Julia, H. (2017). Signifikansi Skenario Pembangunan Check Dam dalam Menahan Laju Sedimentasi di Waduk Sempor. *Agrium*, 21(1), 78 – 88.
- Kementerian Kehutanan. (2009). *Peraturan Menteri Kehutanan Republik Indonesia Nomor P. 32/Menhut-Ii/2009 Tentang Tata Cara Penyusunan Rencana Teknik Rehabilitasi Hutan dan Lahan Daerah Aliran Sungai (Rtkrhl-DAS)*. Jakarta.
- Kementerian Kehutanan. (2011). *Petunjuk Teknis Sistem Standar Operasi Prosedur (SSOP) Penanggulangan Banjir dan Tanah Longsor*. Jakarta: Direktorat Jenderal Bina Pengelolaan DAS dan Perhutanan Sosial.
- Kementerian Pekerjaan Umum dan Perumahan Rakyat. (2017). *Modul Operasi Waduk*. Bandung: Pusat Pendidikan dan Pelatihan Sumber Daya Air dan Konstruksi.
- Kementerian Pekerjaan Umum dan Perumahan Rakyat. (2020). *Monitoring Penghijauan*. <https://sitamu.sda.pu.go.id/monitoring.php>. Diakses oleh Satrio Budiman pada 17 April 2023.
- Keshavarzi, A. Kumar, V., Bottega, E. L., dan Rodrigo-Comino, Jesús. (2019). Determining Land Management Zones Using Pedo-geomorphological Factors in Potential Degraded Regions to Achieve Land Degradation Neutrality. *Land*, 8(6), 1 – 14.
- Ketema, A., dan Dwarakish, G. S. (2021). Water Erosion Assessment Methods: A Review. *ISH Journal of Hydraulic Engineering*, 27(4), 434–441. <https://doi.org/10.1080/09715010.2019.1567398>.
- Kinnell, P. I. A. (2016). Comparison Between The USLE, The USLE-M and Replicate Plots to Model Rainfall Erosion on Bare Fallow Areas. *Catena*, 145, 39 – 46.
- Kodoatie, R. J. dan Sugiyanto. (2002). *Banjir: Beberapa Penyebab dan Metode Pengendaliannya dalam Perspektif Lingkungan*. Yogyakarta: Pustaka Pelajar.

- Kuok, K. K. K., Mah, D. Y. S., dan Chiu, P. C. (2013). Evaluation of C and P Factors in Universal Soil Loss Equation on Trapping Sediment: Case Study of Santubong River. *Journal of Water Resource and Protection*, 5(12), 1149 – 1154.
- Li, F. dan Tang, G. (2011). DEM Based Terrain Factor of Soil Erosion at regional Scale and Soil Erosion Mapping. In *Advances in Cartography and GIScience Volume 2*. Paris: Springer.
- Li, Z. W. (2014). Land Use Impacts on Soil Detachment Capacity by Overland Flow in The Loess Plateau, China. *Catena*, 124, 9 – 17.
- Lihawa, F. (2017). *Daerah Aliran Sungai Alo: Erosi, Sedimentasi, dan Longsoran*. Yogyakarta: Deepublish.
- Linsley, R. K. dan Franzini, J. B. (1985). *Teknik Sumber Daya Air*. Jakarta: Penerbit Erlangga.
- Ma, B. Liu, G., Ma, F., Li, Z., dan Wu, F. (2019). Effects of Crop-Slope Interaction on Slope Runoff and Erosion in The Loess Plateau. *Acta Agriculturae Scandinavica Section B: Soil and Plant Science*, 69(1), 12 – 25.
- Marhaendi, T. (2009). Strategi Pengelolaan Sedimentasi Waduk. *Jurnal Techno*, 14(2): 29 – 41.
- Meinen, B. U. dan Robinson, D. T. (2021). Agricultural Erosion Modelling: Evaluating USLE and WEPP Field-scale Erosion Estimates Using UAV Time-series Data. *Environmental Modelling and Software*, 137, 1 – 10.
- Meng, Q., Liu, Z., dan Borders, B. E. (2013). Assessment of Regression Kriging for spatial Interpolation - Comparisons of Seven GIS Interpolation Methods. *Cartography and Geographic Information Science*, 40(1), 28 – 39.
- Merritt, W. S., Letcher, R. A., dan Jakeman, A. J. (2003). A Review of Erosion and Sediment Transport Models. *Environmental Modelling and Software*, 18(8–9), 761–799. [https://doi.org/10.1016/S1364-8152\(03\)00078-1](https://doi.org/10.1016/S1364-8152(03)00078-1).
- Merwade, V. (2009). Effect of Spatial Trends on Interpolation of River Bathymetry. *Journal of Hydrology*, 371(1–4), 169 – 181.
- Meshesha, D. T., Tsunekawa, A., Tsubo, M., Haregeweyn, N., dan Adgo, E. (2015). Evaluating Spatial and Temporal Variations of Rainfall Erosivity, Case of



- Central Rift Valley of Ethiopia. *Theoretical and Applied Climatology*, 119(3), 515 – 522.
- Meusburger, K., Steel, A., Panagos, P., Montanarella, L., dan Alewell, C. (2012). Spatial and Temporal Variability of Rainfall Erosivity Factor for Switzerland. *Hydrology and Earth System Sciences*, 16(1), 167 – 177.
- Moriasi, D. N., Arnold, J. G., Liew, M. W., Van Bingner, R. L., Harmel, R. D., dan Veith, T. L. (2007). Model Evaluation Guidelines for Systematic Quantification of Accuracy in Watershed Simulations. *American Society of Agricultural and Biological Engineers*, 50(3), 885 – 900.
- Motovilov, Y. G., Gottschalk, L., Engeland, K., dan Rodhe, A. (1999). Validation of A Distributed Hydrological Model Against Spatial Observations. *Agricultural and Forest Meteorology*, 98, 257 – 277.
- Mulyono, A. Rusydi, A. F., dan Lestiana, H. (2019). Permeabilitas Tanah Berbagai Tipe Penggunaan Lahan di Tanah Aluvial Pesisir DAS Cimanuk, Indramayu. *Jurnal Ilmu Lingkungan*, 17(1), 1 – 6.
- Munajad, R. dan Suprayogi, S. (2015). Kajian Hujan-Aliran Menggunakan Model HEC-HMS di Sub Daerah Aliran Sungai Wuryantoro Wonogiri, Jawa Tengah. *Jurnal Bumi Indonesia*, 4(1), 150 – 157.
- Mutaqin, B. W., Lavigne, F., Sudrajat, Y., Handayani, L., Lahitte, P., Virmoux, C., Hiden, Hadmoko, D. S., Komorowski, J. C., Hananto, N. D., Wassmer, P., Hartono, dan Boillot-Airaksinen, K. (2019). Landscape Evolution on The Eastern Part of Lombok (Indonesia) Related to the 1257 CE Eruption of The Samalas Volcano. *Geomorphology*, 327, 338 – 350.
- Nagle, G., Covich, A., Fahey, T. J. dan Lassoie, J. P. (1999). Management of Sedimentation in Tropical Watersheds. *Environmental Management*, 23(4), 441 – 452.
- Nasidi, N. M., Wayayok, A., Abdullah, A. F., dan Kassim, M. S. M. (2021). Spatio-Temporal Dynamics of Rainfall Erosivity due to Climate Change in Cameron Highlands, Malaysia. *Modeling Earth Systems and Environment*, 7(3), 1847 – 1861.
- Nugraha, A. R., Saputro, S. dan Purwanto. (2013). Pemetaan Batimetri dan Analisis



- Pasang Surut untuk Menentukan Elevasi Lantai Dermaga 136 di Muara Sungai Mahakam, Sanga-Sanga, Kalimantan Timur. *Jurnal Oseanografi*, 2(3), 238–244.
- Nurulloh, U. I., dan Suprayogi, S. (2016). Prediksi Umur dan Pengelolaan DTA Waduk Ngancar, Batuwarno, Wonogiri, Jawa Tengah. *Jurnal Bumi Indonesia*, 5(3).
- O’Geen, A. T. (2006). *Erodibility of Agricultural Soils, with Examples in Lake and Mendocino Counties*. California: Division of Agriculture and Natural Resources University of California.
- Oehy, C. (2003). *Effects of Obstacles and Jets on Reservoir Sedimentation due to Turbidity Currents*. Lausanne: Ecole Polytechnique Fédérale de Lausanne.
- Olaniya, M. Bora, P. K., Das, S., dan Chanu, P. H. (2020). Soil Erodibility Indices Under Different Land Uses in Ri-Bhoi District of Meghalaya (India). *Scientific Reports*, 10(1), 1 – 13.
- Olii, M. R., Kironoto, B. A., Yulistiyanto, B. dan Sunjoto. (2018). Estimating Spatially Distributed of Sediment Yield Using GIS-RUSLE-SEDD Model in Catchment of Reservoir in Java. *Proceedings of International Association for Hydro-Environment Engineering and Research (IAHR)-Asia Pacific Division (APD) Congress: Multi-Perspective Water for Sustainable Development*. Yogyakarta: IAHR-APD.
- Oliveira, P. T. S. Wendland, E. dan Nearing, M. A. (2012). Rainfall Erosivity in Brazil: A Review. *Catena*, 100, 139 – 147.
- Palmieri, A., Shah, F. Annandale, G. W., dan Dinar, A. (2003). *Reservoir Conservation Volume I: The RESCON Approach*. Washington D. C.: World Bank.
- Park, S. J. dan Burt, T. P. (2002). Identification and Characterization of Pedogeomorphological Processes on a Hillslope. *Soil Science Society of America Journal*, 66(6), 1897 – 1910.
- Patil, R. J. (2018). *Spatial Techniques for Soil Erosion Estimation*. [https://doi.org/10.1007/978-3-319-74286-1\\_4](https://doi.org/10.1007/978-3-319-74286-1_4).
- Pemerintah Indonesia. (2012). *Peraturan Pemerintah Republik Indonesia No. 32*

- Tahun 2012 tentang Pengelolaan Daerah Aliran Sungai*. Lembaran Negara RI Tahun 2012, No. 5292. Jakarta.
- Pemerintah Provinsi Jawa Tengah. (2022). *Relakan Tanah untuk Bendungan Sempor, Warga Masih Bisa Bertani di Lokasi Quarry*. <https://jatengprov.go.id/publik/relakan-tanah-untuk-bendungan-sempor-warga-masih-bisa-bertani-di-lokasi-quarry>. Diakses oleh Satrio Budiman pada 17 April 2023.
- Putra, D. S., Siwu, W. P., dan Wulandari, D. A. (2019). Pengaruh Sedimentasi Terhadap Fungsi Waduk Karian. *Jurnal Teknisia*, 24(2), 108 – 116.
- Putra, P. dan Praptisih, P. (2020). Umur Relatif Batuan Asal Sedimen Olisostrom Formasi Karangsambung, Kebumen, Jawa Tengah. *Jurnal Geologi dan Sumberdaya Mineral*, 21(1), 25 – 31.
- Putri, M. D., Baskoro, D. P. P., Tarigan, S. D., dan Wahjunie, E. D. (2017). Karakteristik Beberapa Sifat Tanah pada Berbagai Posisi Lereng dan Penggunaan Lahan di DAS Ciliwung Hulu. *Jurnal Ilmu Tanah dan Lingkungan*, 19(2), 81 – 85.
- Qu, L., Zhu, X., Liang, Y., Qiu, D., Zhang, Q., dan Liang, Y. (2023). Spatial Variation of Soil Properties and Evaluation of The Risk of Soil Erodibility on A River Alluvial and Marine Sedimentary Plain in Eastern China. *Journal of Soils and Sediments*, 23, 2106 – 2119.
- Rachma, H. A. (2019). Estimasi Umur Layanan Waduk Sempor sebagai Suplai Irigasi. *Skripsi*. Yogyakarta: Fakultas Geografi Universitas Gadjah Mada.
- Reddy, M. G. R., Reddy, G. P. O., Maji, A. K., Nageshwara Rao, K. (2003). Landscape Analysis for Pedo-Geomorphological Characterization in Part of Basaltic Terrain, Central India Using Remote Sensing and GIS. *Journal of The Indian Society of Remote Sensing*, 31(4), 271 – 282.
- Renard, K. G., Foster, G. R., Weesies, G. A., McCool, D. K., dan Yoder, D. C. (1997). *Predicting Soil Erosion by Water A Guide to Conservation Planning with The Revised Universal Soil Loss Equation (RUSLE)*. Washington, D. C.: U.S. Department of Agriculture.

- Salampessy, M. L. Pratiwi, R., Aisyah, dan Panjaitan, P. B. P. (2021). *Buku Ajar Pengelolaan Daerah Aliran Sungai*. Bogor: PT Penerbit IPB Press.
- Satriagasa, M. C. dan Suryatmojo, H. (2020). Efektivitas Tutupan Rumput Gajah (*Pennisetum purpureum*) dalam Mitigasi Erosi Tanah oleh Air Hujan. *agriTECH*, 40(2), 141 – 149.
- Schleiss, A. J., Franca, M. J., Juez, C., dan De Cesare, G. (2016). Reservoir Sedimentation. *Journal of Hydraulic Research*, 54(6), 595 – 614. <http://dx.doi.org/10.1080/00221686.2016.1225320>.
- Sirjani, E., Sameni, A., Moosavi, A. A., Mahmoodabadi, M., dan Laurent, B. (2019). Portable Wind Tunnel Experiments to Study Soil Erosion by Wind and Its Link to Soil Properties in The Fars Province, Iran. *Geoderma*, 333, 69 – 80.
- Sisinggih, D. Wahyuni, S., dan Hidayat, F. (2021). *Sedimentasi Waduk*. Malang: Universitas Brawijaya Press.
- Soeprbowati, T. R. (2012). Peta Batimetri Danau Rawapening. *Bioma: Berkala Ilmiah Biologi*, 14(2), 75 – 78. <https://doi.org/10.14710/bioma.14.2.78-84>.
- Sholagberu, A. T., Ul Mustafa, M. R., Wan Yusof, K., dan Ahmad, M. H. (2016). Evaluation of Rainfall-Runoff Erosivity Factor for Cameron Highlands, Pahang, Malaysia. *Journal of Ecological Engineering*, 17(3). 1 – 8.
- Solihin, M. A., Putri, N., Setiawan, A., Siliwangi, D., dan Arifin, M. (2020). Karakteristik Indeks Vegetasi pada Berbagai Penggunaan Lahan di Hulu Sub-DAS Cikapundung Melalui Interpretasi Citra Satelit Landsat 8. *Jurnal Kultivasi*, 19(3), 1202 – 1209.
- Strand, R. I. dan Pemberton, E. L. (1982). *Reservoir Sedimentation Technical Guidelines for Bureau of Reclamation*. Denver: U.S. Bureau of Reclamation.
- Subramanya, K. (2008). *Engineering Hydrology*. New Delhi: Tata McGraw-Hill Publishing Company Limited.
- Suprayogi, S., Purnama, Ig. L. S., dan Darmanto, D. (2013). *Pengelolaan Daerah Aliran Sungai*. Yogyakarta: Gadjah Mada University Press.
- Suripin. (2002). *Pelestarian Sumber Daya Tanah dan Air*. Yogyakarta: Andi Offset.

- Suripin. (2004). *Drainase Perkotaan yang Berkelanjutan*. Yogyakarta: Andi Offset.
- Susilo, E. (2001). Kajian Efisiensi Tangkapan Sedimen pada Beberapa Waduk di Jawa. *Tesis*. Semarang: Universitas Diponegoro.
- Sutrisno, J., Sanim, B., Saefuddin, A., dan Sitorus, S. R. P. (2011). Prediksi Erosi dan Sedimentasi di Sub Daerah Aliran Sungai Keduang Kabupaten Wonogiri. *Media Konservasi*, 16(2), 78 – 86.
- Talchabhadel, R., Nakagawa, H., Kawaike, K., dan Prajapati, R. (2020). Evaluating The Rainfall Erosivity (R-Factor) from Daily Rainfall Data: An Application for Assessing Climate Change Impact on Soil Loss in Westrapti River Basin, Nepal. *Modeling Earth Systems and Environment*, 6(3), 1741 – 1762.
- Tanduh, Y., Rosdiana, dan Nursiah. (2015). Penentuan Tingkat Bahaya Erosi dalam Rangka Menentukan Prioritas Rehabilitasi Lahan di Bukit Tangkiling, Kalimantan Tengah. *Jurnal Hutan Tropika*, 10(2), 31 – 37.
- Tatalovich, Z., Wilson, J. P., dan Cockburn, M. (2006). A Comparison of Thiessen Polygon, Kriging, and Spline Models of Potential UV Exposure. *Cartography and Geographic Information Science*, 33(3), 217 – 231.
- Tian, Y. Xu, Y. P., Yang, Z., Wang, G., dan Zhu, Q. (2018). Integration of A Parsimonious Hydrological Model with Recurrent Neural Networks for Improved Streamflow Forecasting. *Water*, 10(11), 1 – 17.
- Tiwari, A. K., Risse, L. M., dan Nearing, M. A.. (2000). Evaluation of WEPP and Its Comparison with USLE and RUSLE. *Transactions of the ASAE*, 43(5), 1129 – 1135.
- Trigunasih, N. M. dan Saifulloh, M. (2023). Investigation of Soil Erosion in Agro-Tourism Area: Guideline Forenvironmental Conservation Planning. *Geographia Technica*, 18(1), 19 – 28.
- U.S. Department of The Interior. (2006). *Erosion and Sedimentation Manual Erosion and Sedimentation Manual* (Issue November). Washington D. C.: Bureau of Reclamation, U.S. Department of The Interior.
- Ulfa, A. dan Suprayogi, S. (2016). Perhitungan Kinerja Waduk dan Evaluasi Kapasitas Waduk Ngancar Batuwarno, Wonogiri, Jawa Tengah. *Jurnal Bumi Indonesia*, 5(4), 1 – 12.

- United Nation Statistic Division. (2017). *Manual on The Basic Set of Environmental Statistics of The FDES 2013: Water Resources Statistic*. New York: United Nations.
- Van Bemmelen, R. W. (1949). *The Geology of Indonesia: General Geology of Indonesia and Adjacent Archipelagoes*. Jakarta: Government Printing Office, The Hague.
- Veerendra. (2020). *What is Echo and Sonar*. <https://www.aplustopper.com/echo-and-sonar>. Diakses oleh Satrio Budiman pada 28 Agustus 2022.
- Wang, B., Zheng, F., Römken, M. J. M., dan Darboux, F. (2013). Soil Erodibility for Water Erosion: A Perspective and Chinese Experiences. *Geomorphology*, 187, 1 – 10.
- Wang, B., Zhang, G. H., Zhang, X. C., Li, Z. W., Su, Z. L., Yi, T., dan Shi, Y. Y. (2014). Effects of Near Soil Surface Characteristics on Soil Detachment by Overland Flow in a Natural Succession Grassland. *Soil Science Society of America Journal*, 78(2), 589 – 597.
- Warta Kebumen. (2020). *Masih Kritis, Air Waduk Sempor dan Wadaslintang Belum Bisa Dialirkan*. <https://www.inikebumen.net/2020/01/masih-kritis-air-waduk-sempor-dan.html>. Diakses oleh Satrio Budiman pada 17 Agustus 2022.
- Wheeler, M. C., McBride, J., dan Lau, W. K. M. (2005). *Intraseasonal Variability in the Atmosphere-Ocean Climate System: Australian-Indonesian Monsoon*. Berlin: Springer Berlin Heidelberg.
- Widyastuti, M. Purnama, Ig. L. S. Suprayogi, S. Hadi, M. P. (2021). *Buku Ajar Hidrologi*. Yogyakarta: Badan Penerbit Fakultas Geografi (BPFG) UGM.
- Wijayanti, R., Saleh, E., Hanum, H., dan Aprianti, N. (2020). Climate Change Analysis (Monthly Rainfall) on Palembang Duku Production (*Lansium domesticum* Corr). *Sriwijaya Journal of Environment*, 5(2), 120 – 126.
- Winarno, G. D., Hatma, dan Soejoko, S. A.. (2010). *Buku Ajar Hidrologi Hutan*. Bandar Lampung: Universitas Lampung.
- Wischmeier, W. H. dan Smith, D. D. (1965). *Predicting Rainfall-Erosion Losses from Cropland East of the Rocky Mountains: Guide for Selection of Practices*

- for Soil and Water Conservation*. Washington D. C.: U.S. Department of Agriculture.
- Wischmeier, W. H. dan Smith, D. D. (1978). *Predicting Rainfall Erosion Losses: A Guide to Conservation Planning*. Washington D. C.: U.S. Department of Agriculture.
- Wu, L., Liu, X., dan Ma, X. Y. (2016). Spatiotemporal Distribution of Rainfall Erosivity in The Yanhe River Watershed of Hilly and Gully Region, Chinese Loess Plateau. *Environmental Earth Sciences*, 75(4), 1 – 13.
- Xiong, M., Sun, R., dan Chen, L. (2019). A Global Comparison of Soil Erosion Associated with Land Use and Climate Type. *Geoderma*, 343, 31 – 39.
- Yang, X., Gray, J., Chapman, G., Zhu, Q., Tulau, M., dan McInnes-Clarke, S. (2018). Digital Mapping of Soil Erodibility for Water Erosion in New South Wales, Australia. *Soil Research*, 56(2), 158 – 170.
- Yulianti, E., Limantara, L. M., Suhartanto, E., dan Dermawan, V. (2020). Model of Rainfall Erosion Index for Predicting the Potential Erosion Rate by Using A Rainfall Simulator. *IOP Conference Series: Earth and Environmental Science*, 437, 1 – 7.
- Zachar, D. (1982). *Soil Erosion*. Amsterdam: Elsevier.
- Zehetner, F. dan Miller W. P. (2006). Erodibility and Runoff-Infiltration Characteristics of Volcanic Ash Soils Along An Altitudinal Climosequence in The Ecuadorian Andes. *Catena*, 65(3): 201 – 213.
- Zhang, Z. dan Yu, R. (2023). Assessment of Soil Erosion from an Ungauged Small Watershed and Its Effect on Lake Ulansuhai, China. *Land*, 12(2): 1 – 15.
- Zhu, Y., Li, W., Wang, D., Wu, Z., dan Shang, P. (2022). Spatial Pattern of Soil Erosion in Relation to Land Use Change in a Rolling Hilly Region of Northeast China. *Land*, 11(8), 11 – 17.