

DAFTAR PUSTAKA

- Abbaspour, K. C. (2015). *SWAT: Calibration and Uncertainty Programs*. Zürich: Eawag, Swiss Federal Institute of Aquatic Science and Technology.
- Abbaspour, K. C., Rouholahnejad, E., Vaghefi, S., Srinivasan, R., Yang, H., & Kløve, B. (2015). A continental-scale hydrology and water quality model for Europe: Calibration and uncertainty of a high-resolution large-scale SWAT model. *Journal of Hydrology*, 524, 733–752. <https://doi.org/10.1016/j.jhydrol.2015.03.027>
- Abbaspour, K. C., Vaghefi, S. A., & Srinivasan, R. (2017). A guideline for successful calibration and uncertainty analysis for Soil and Water Assessment: A review of papers from the 2016 International SWAT Conference. *Water*, 10(1), 6. <https://doi.org/10.3390/w10010006>
- Abbaspour, K. C., Vaghefi, S. A., Yang, H., & Srinivasan, R. (2019). Global soil, landuse, evapotranspiration, historical and future weather databases for SWAT Applications. *Scientific Data*, 6(1), 263. <https://doi.org/10.1038/s41597-019-0282-4>
- Achsan, Bisri, M., & Suhartanto, E. (2015). Analisis Kecenderungan Sedimentasi Waduk Bili-bili Dalam Upaya Keberlanjutan Usia Guna Waduk. *Jurnal Teknik Pengairan*, 6(1), 30–36.
- Adib, A., Lotfirad, M., & Haghghi, A. (2019). Using uncertainty and sensitivity analysis for finding the best rainfall-runoff model in mountainous watersheds (Case study: The Navrood watershed in Iran). *Journal of Mountain Science*, 16(3), 529–541. <https://doi.org/10.1007/s11629-018-5010-6>
- Aghsaei, H., Mobarghaee Dinan, N., Moridi, A., Asadolahi, Z., Delavar, M., Fohrer, N., & Wagner, P. D. (2020). Effects of dynamic land use/land cover change on water resources and sediment yield in the Anzali wetland catchment, Gilan, Iran. *Science of The Total Environment*, 712, 136449. <https://doi.org/10.1016/j.scitotenv.2019.136449>

- Alfianto, A., & Soewarno. (2014). Teknosabo untuk mengatasi sedimentasi di daerah tangkapan air waduk (kasus Waduk Mrica). *Jurnal Teknik Hidraulik*, 5(1), 83–98. <https://doi.org/10.32679/jth.v5i1.302>
- Allen, R. G., Pereira, L. S., Raes, D., & Smith, M. (1998). *Crop evapotranspiration-Guidelines for computing crop water requirements-FAO Irrigation and drainage paper 56*. Roma: Food and Agriculture Organization.
- Andriawati, I. D., Rispiningtati, & Juwono, P. T. (2015). Efektifitas kegiatan pengerukan sedimen Waduk Wonogiri ditinjau dari nilai ekonomi. *Jurnal Teknik Pengairan*, 6(1), 55–65.
- Anggraheni, D., Jayadi, R., & Istiarto. (2017). Evaluasi Kinerja Pola Operasi Waduk (POW) Wonogiri 2014. *Jurnal Teknisia*, XXII(1), 294–306.
- Annandale, G. W., Karki, P., & Morris, G. L. (2016). *Extending the Life of Reservoirs: Sustainable Sediment Management for Dams and Run-of-River Hydropower*. Washington, DC: The World Bank.
- Arnold, J. G., Moriasi, D. N., Gassman, P. W., Abbaspour, K. C., White, M. J., Srinivasan, R., Santhi, C., Harmel, R. D., Griensven, A. V., Liew, M. W. V., Kannan, N., & Jha, M. K. (2012). SWAT: Model Use, Calibration, and Validation. *Transactions of the ASABE*, 55(4), 1491–1508. <https://doi.org/10.13031/2013.42256>
- Arnold, J. G., Srinivasan, R., Muttiah, R. S., & Williams, J. R. (1998). Large area hydrologic modeling and assessment part I Model development. *Journal of the American Water Resources Association*, 34(1), 73–89. <https://doi.org/10.1111/j.1752-1688.1998.tb05961.x>
- Arnold, J. G., Williams, J. R., & Maidment, D. R. (1995). Continuous-Time Water and Sediment-Routing Model for Large Basins. *Journal of Hydraulic Engineering*, 121(2), 171–183. [https://doi.org/10.1061/\(ASCE\)0733-9429\(1995\)121:2\(171\)](https://doi.org/10.1061/(ASCE)0733-9429(1995)121:2(171))
- Arsyad, S. (2010). *Konservasi Tanah & Air*. Bogor: IPB Press.
- Asdak, C. (2023). *Hidrologi dan Pengelolaan Daerah Aliran Sungai*. Yogyakarta: UGM Press.

- Ayele, G. T., Kuriqi, A., Jemberrie, M. A., Saia, S. M., Seka, A. M., Teshale, E. Z., Daba, M. H., Ahmad Bhat, S., Demissie, S. S., Jeong, J., & Melesse, A. M. (2021). Sediment yield and reservoir sedimentation in highly dynamic watersheds: The case of Koga Reservoir, Ethiopia. *Water*, *13*(23), 3374. <https://doi.org/10.3390/w13233374>
- Batuca, D. G., & Jordaan, J. M. (2000). *Silting and Desilting of Reservoirs*. Rotterdam: A.A. Balkema.
- Beck, H. E., McVicar, T. R., Vergopolan, N., Berg, A., Lutsko, N. J., Dufour, A., Zeng, Z., Jiang, X., Van Dijk, A. I. J. M., & Miralles, D. G. (2023). High-resolution (1 km) Köppen-Geiger maps for 1901–2099 based on constrained CMIP6 projections. *Scientific Data*, *10*(1), 724. <https://doi.org/10.1038/s41597-023-02549-6>
- Bieger, K., Arnold, J. G., Rathjens, H., White, M. J., Bosch, D. D., Allen, P. M., Volk, M., & Srinivasan, R. (2017). Introduction to SWAT+, A completely restructured version of the Soil and Water Assessment Tool. *JAWRA Journal of the American Water Resources Association*, *53*(1), 115–130. <https://doi.org/10.1111/1752-1688.12482>
- Borland, W. M., & Miller, C. R. (1958). Distribution of Sediment in Large Reservoirs. *Journal of the Hydraulics Division*, *84*(2), 1–18. <https://doi.org/10.1061/JYCEAJ.0000183>
- Bosch, N. S. (2008). The influence of impoundments on riverine nutrient transport: An evaluation using the Soil and Water Assessment Tool. *Journal of Hydrology*, *355*(1–4), 131–147. <https://doi.org/10.1016/j.jhydrol.2008.03.012>
- Brown, C. B. (1944). Discussion of sedimentation in reservoirs. *Proceedings of the American Society of Civil Engineers*, *69*, 1493–1500.
- Brune, G. M. (1953). Trap efficiency of reservoirs. *Transactions, American Geophysical Union*, *34*(3), 407. <https://doi.org/10.1029/TR034i003p00407>
- Chin, D. A. (2013). *Water-Resources Engineering* (3rd ed.). Upper Saddle River: Pearson.

- Chow, V. T., Maidment, D. R., & Mays, L. W. (1988). *Applied Hydrology*. New York: McGraw-Hill.
- Chowdhury, S., & Al-Zahrani, M. (2015). Characterizing water resources and trends of sector wise water consumptions in Saudi Arabia. *Journal of King Saud University - Engineering Sciences*, 27(1), 68–82. <https://doi.org/10.1016/j.jksues.2013.02.002>
- Christanto, N. (2022). Modeling Hydrological Processes in Humid Tropical Watershed using SWAT: A Case Study in Central Java Watershed, Indonesia. In *Dissertation*. Yogyakarta: Program Pascasarjana Fakultas Geografi Universitas Gadjah Mada.
- Christanto, N., Setiawan, M. A., Nurkholis, A., Istiqomah, S., Sartohadi, J., & Hadi, M. P. (2018). Analisis laju sedimen DAS Serayu Hulu dengan menggunakan model SWAT. *Majalah Geografi Indonesia*, 32(1), 50–58. <https://doi.org/10.22146/mgi.32280>
- Christanto, N., Setiawan, M. A., Nurkholis, A., Sartohadi, J., & Hadi, M. P. (2020). The Use of Global Datasets in the SWAT Model for Tropical Watershed with Limited Ground Data: A Case Study in Serayu Upper Catchment. *Taiwan Water Conservancy*, 68(3), 18–27. [https://doi.org/10.6937/TWC.202009/PP_68\(3\).0002](https://doi.org/10.6937/TWC.202009/PP_68(3).0002)
- Churchill, M. A. (1948). Discussion of analysis and use of reservoir sedimentation data. *Proceedings of the Federal Interagency Sedimentation Conference*, 139–140.
- Condon, W. H., Pardyanto, L., Ketner, K. B., Amin, T. C., Gafoer, S., & Samodra, H. (1996). *Peta Geologi Lembar Banjarnegara dan Pekalongan 1408-4 & 1409-1*. Bandung: Badan Geologi.
- Desmet, P. J. J., & Govers, G. (1996). A GIS procedure for automatically calculating the USLE LS factor on topographically complex landscape units. *Journal of Soil and Water Conservation*, 51(5), 427–433.
- Devia, G. K., Ganasri, B. P., & Dwarakish, G. S. (2015). A review on hydrological models. *Aquatic Procedia*, 4, 1001–1007. <https://doi.org/10.1016/j.aqpro.2015.02.126>

- Diodato, N., & Grauso, S. (2009). An improved correlation model for sediment delivery ratio assessment. *Environmental Earth Sciences*, 59(1), 223–231. <https://doi.org/10.1007/s12665-009-0020-x>
- Einstein, H. A. (1950). *The Bed-Load Function for Sediment Transportation in Open Channel Flows*. Washington, DC: US Department of Agriculture.
- Essenfelder, A. H. (2016). *SWAT Weather Database*. <https://doi.org/10.13140/RG.2.1.4329.1927>
- Getachew, B., Manjunatha, B. R., & Bhat, H. G. (2021). Modeling projected impacts of climate and land use/land cover changes on hydrological responses in the Lake Tana Basin, upper Blue Nile River Basin, Ethiopia. *Journal of Hydrology*, 595, 125974. <https://doi.org/10.1016/j.jhydrol.2021.125974>
- Gill, M. A. (1979). Sedimentation and useful life of reservoirs. *Journal of Hydrology*, 44(1–2), 89–95. [https://doi.org/10.1016/0022-1694\(79\)90148-3](https://doi.org/10.1016/0022-1694(79)90148-3)
- Golmohammadi, G., Prasher, S., Madani, A., & Rudra, R. (2014). Evaluating three hydrological distributed watershed models: MIKE-SHE, APEX, SWAT. *Hydrology*, 1(1), 20–39. <https://doi.org/10.3390/hydrology1010020>
- Griffin, R. C. (2016). *Water Resource Economics: The Analysis of Scarcity, Policies, and Projects* (2nd ed.). Cambridge: MIT Press.
- Hjulström, F. (1935). Studies of the morphological activity of rivers as illustrated by the River Fyris. In *Dissertation*. Uppsala: The Geological Institution of the University of Uppsala.
- IUSS Working Group. (2022). *World Reference Base for Soil Resources. International soil classification system for naming soils and creating legends for soil maps 4th edition*. Vienna: International Union of Soil Sciences (IUSS).
- Ivanoski, D., Trajkovic, S., & Gocic, M. (2019). Estimation of sedimentation rate of Tikvesh Reservoir in Republic of Macedonia using SWAT. *Arabian Journal of Geosciences*, 12(14), 438. <https://doi.org/10.1007/s12517-019-4583-x>

- Jimeno-Sáez, P., Martínez-España, R., Casalí, J., Pérez-Sánchez, J., & Senent-Aparicio, J. (2022). A comparison of performance of SWAT and machine learning models for predicting sediment load in a forested Basin, Northern Spain. *CATENA*, *212*, 105953. <https://doi.org/10.1016/j.catena.2021.105953>
- Jothiprakash, V., & Garg, V. (2008). Re-look to conventional techniques for trapping efficiency estimation of a reservoir. *International Journal of Sediment Research*, *23*(1), 76–84. [https://doi.org/10.1016/S1001-6279\(08\)60007-4](https://doi.org/10.1016/S1001-6279(08)60007-4)
- Keputusan Menteri Kehutanan Nomor 328/Menhut-II/2009 tentang Penetapan Daerah Aliran Sungai (DAS) Prioritas Dalam Rangka Rencana Pembangunan Jangka Menengah (RPJM) Tahun 2010-2014.*
- Keputusan Menteri Lingkungan Hidup dan Kehutanan Nomor 6605/MENLHK-PKTL/KUH/PLA.2/10/2021 tentang Perkembangan Pengukuhan Kawasan Hutan sampai dengan tahun 2020 Provinsi Jawa Tengah.*
- Kling, H., & Gupta, H. (2009). On the development of regionalization relationships for lumped watershed models: The impact of ignoring sub-basin scale variability. *Journal of Hydrology*, *373*(3–4), 337–351. <https://doi.org/10.1016/j.jhydrol.2009.04.031>
- Kondolf, G. M., Gao, Y., Annandale, G. W., Morris, G. L., Jiang, E., Zhang, J., Cao, Y., Carling, P., Fu, K., Guo, Q., Hotchkiss, R., Peteuil, C., Sumi, T., Wang, H., Wang, Z., Wei, Z., Wu, B., Wu, C., & Yang, C. T. (2014). Sustainable sediment management in reservoirs and regulated rivers: Experiences from five continents. *Earth's Future*, *2*(5), 256–280. <https://doi.org/10.1002/2013EF000184>
- Kumar, S., Raghuwanshi, N. S., & Mishra, A. (2015). Identification and management of critical erosion watersheds for improving reservoir life using hydrological modeling. *Sustainable Water Resources Management*, *1*(1), 57–70. <https://doi.org/10.1007/s40899-015-0005-8>
- Lara, J. M. (1962). *Revision of Procedures to Compute Sediment Distribution in Large Reservoirs*. Denver: US Bureau of Reclamation.

- Li, F.-F., Wang, H.-R., & Qiu, J. (2022). A MATLAB GUI program for reservoir management to simultaneously optimise sediment release and power generation. *Journal of Environmental Management*, 320, 115686. <https://doi.org/10.1016/j.jenvman.2022.115686>
- Li, M., Di, Z., & Duan, Q. (2021). Effect of sensitivity analysis on parameter optimization: Case study based on streamflow simulations using the SWAT model in China. *Journal of Hydrology*, 603, 126896. <https://doi.org/10.1016/j.jhydrol.2021.126896>
- Lu, S., Liu, B., Hu, Y., Fu, S., Cao, Q., Shi, Y., & Huang, T. (2020). Soil erosion topographic factor (LS): Accuracy calculated from different data sources. *CATENA*, 187, 104334. <https://doi.org/10.1016/j.catena.2019.104334>
- Luo, Y., Su, B., Yuan, J., Li, H., & Zhang, Q. (2011). GIS techniques for watershed delineation of SWAT model in Plain Polders. *Procedia Environmental Sciences*, 10, 2050–2057. <https://doi.org/10.1016/j.proenv.2011.09.321>
- Ma, D., Qian, B., Gu, H., Sun, Z., & Xu, Y. (2021). Assessing climate change impacts on streamflow and sediment load in the upstream of the Mekong River basin. *International Journal of Climatology*, 41(5), 3391–3410. <https://doi.org/10.1002/joc.7025>
- Malawani, M. N., Mardiatno, D., & Haryono, E. (2020). Anthropogenic signatures in the context of landscape evolution: Evidence from Citanduy Watershed, Java, Indonesia. *ASEAN Journal on Science and Technology for Development*, 37(1), 7–14. <https://doi.org/10.29037/ajstd.600>
- Margono, B. A., Usman, A. B., . B., & Sugardiman, R. A. (2016). Indonesia's Forest Resource Monitoring. *Indonesian Journal of Geography*, 48(1), 7–20. <https://doi.org/10.22146/ijg.12496>
- Mauri, E. N. E., Viola, M. R., Norton, L. D., Owens, P. R., Mello, C. R. D., Pinto, L. C., & Curi, N. (2020). Hydrosedimentological modeling in a headwater basin in Southeast Brazil. *Revista Brasileira de Ciência Do Solo*, 44, e0200047. <https://doi.org/10.36783/18069657rbc20200047>
- Meinen, B. U., & Robinson, D. T. (2021). Agricultural erosion modelling: Evaluating USLE and WEPP field-scale erosion estimates using UAV time-

- series data. *Environmental Modelling & Software*, 137, 104962. <https://doi.org/10.1016/j.envsoft.2021.104962>
- Meles, M. B., Goodrich, D. C., Unkrich, C. L., Gupta, H. V., Burns, I. S., Hirpa, F. A., Razavi, S., & Guertin, D. P. (2024). Rainfall distributional properties control hydrologic model parameter importance. *Journal of Hydrology: Regional Studies*, 51, 101662. <https://doi.org/10.1016/j.ejrh.2024.101662>
- Moriassi, D. N., J. G. Arnold, Liew, M. W. V., Bingner, R. L., Harmel, R. D., & Veith, T. L. (2007). Model evaluation guidelines for systematic quantification of accuracy in watershed simulations. *Transactions of the ASABE*, 50(3), 885–900. <https://doi.org/10.13031/2013.23153>
- Morris, G. L., & Fan, J. (1998). *Reservoir Sedimentation Handbook: Design and Management of Dams, Reservoirs, and Watersheds for Sustainable Use*. New York: McGraw-Hill.
- Mulu, A., & Dwarakish, G. S. (2015). Different approach for using trap efficiency for estimation of reservoir sedimentation. An overview. *Aquatic Procedia*, 4, 847–852. <https://doi.org/10.1016/j.aqpro.2015.02.106>
- Neitsch, S. L., Arnold, J. G., Kiniry, J. R., & Williams, J. R. (2011). *Soil and Water Assessment Tool Theoretical Documentation Version 2009*. College Station: Texas Water Resources Institute.
- Nguyen, T. V., Dietrich, J., Dang, T. D., Tran, D. A., Van Doan, B., Sarrazin, F. J., Abbaspour, K., & Srinivasan, R. (2022). An interactive graphical interface tool for parameter calibration, sensitivity analysis, uncertainty analysis, and visualization for the Soil and Water Assessment Tool. *Environmental Modelling & Software*, 156, 105497. <https://doi.org/10.1016/j.envsoft.2022.105497>
- Ningrum, M. (2014). Kajian Perubahan Penggunaan Lahan DAS Bogowonto terhadap Rencana Tata Ruang Wilayah Dalam Rangka Pengendalian Sedimentasi. In *Tesis*. Yogyakarta: Program Pascasarjana Fakultas Geografi Universitas Gadjah Mada.
- Palmieri, A., Shah, F., Annandale, G. W., & Dinar, A. (2003). *Reservoir Conservation Volume I: The RESCON Approach Economic and*

- Engineering Evaluation of Alternative Strategies for Managing Sedimentation in Storage Reservoirs*. Washington, DC: The World Bank.
- Patro, E. R., De Michele, C., Granata, G., & Biagini, C. (2022). Assessment of current reservoir sedimentation rate and storage capacity loss: An Italian overview. *Journal of Environmental Management*, 320, 115826. <https://doi.org/10.1016/j.jenvman.2022.115826>
- Peraturan Direktur Jenderal Bina Pengelolaan Daerah Aliran Sungai dan Perhutanan Sosial Nomor P.2/V-Set/2015 tentang Petunjuk Teknis Pemanfaatan Model Hidrologi Dalam Pengelolaan Daerah Aliran Sungai (DAS)*.
- Peraturan Direktur Jenderal Pengendalian Daerah Aliran Sungai dan Hutan Lindung Nomor P.10/PDASHL/Set/KUM.1/8/2017 Tentang Petunjuk Teknis Penyusunan Peta Daerah Aliran Sungai Skala 1:50.000 dan Peta Rawan Erosi*.
- Peraturan Menteri Kehutanan Nomor P.32/Menhut-II/2009 Tahun 2009 tentang Tata Cara Penyusunan Rencana Teknik Rehabilitasi Hutan dan Lahan Daerah Aliran Sungai (RTkRHL-DAS)*.
- Peraturan Pemerintah Nomor 37 Tahun 2012 tentang Pengelolaan Daerah Aliran Sungai*.
- Peraturan Presiden Nomor 109 Tahun 2020 tentang Perubahan Ketiga atas Peraturan Presiden Nomor 3 Tahun 2016 tentang Percepatan Pelaksanaan Proyek Strategis Nasional*.
- PT Indra Karya (Persero). (2015). *Laporan Akhir Desain Lanjutan dan Sertifikasi Bendungan Bener*. Semarang: PT Indra Karya (Persero).
- Rahardjo, W., Sukandarrumidi, & Rosidi, H. M. D. (1995). *Peta Geologi Lembar Yogyakarta 1408-2 & 1407-5*. Bandung: Badan Geologi.
- Rahmad, R., & Nurman, A. (2017). Integrasi model SWAT dan SIG dalam upaya menekan laju erosi DAS Deli, Sumatera Utara. *Majalah Geografi Indonesia*, 31(1), 46–55. <https://doi.org/10.22146/mgi.24232>

- Rode, M., & Suhr, U. (2007). Uncertainties in selected river water quality data. *Hydrology and Earth System Sciences*, 11(2), 863–874. <https://doi.org/10.5194/hess-11-863-2007>
- Sasangka, D. J., Suhardi, S., Riyanto, D. P., Insani, D., & Dwi, C. (2021). Analisis kerentanan lereng lokasi pembangunan Bendungan Bener Kabupaten Purworejo. *Jurnal Geofisika Eksplorasi*, 7(3), 238–255. <https://doi.org/10.23960/jge.v7i3.158>
- Setyawan, C., Lee, C.-Y., & Prawitasari, M. (2019). Investigating spatial contribution of land use types and land slope classes on soil erosion distribution under tropical environment. *Natural Hazards*, 98(2), 697–718. <https://doi.org/10.1007/s11069-019-03725-x>
- Shen, Z. Y., Gong, Y. W., Li, Y. H., Hong, Q., Xu, L., & Liu, R. M. (2009). A comparison of WEPP and SWAT for modeling soil erosion of the Zhangjiachong Watershed in the Three Gorges Reservoir Area. *Agricultural Water Management*, 96(10), 1435–1442. <https://doi.org/10.1016/j.agwat.2009.04.017>
- Sinnathamby, S., Douglas-Mankin, K. R., & Craige, C. (2017). Field-scale calibration of crop-yield parameters in the Soil and Water Assessment Tool (SWAT). *Agricultural Water Management*, 180, 61–69. <https://doi.org/10.1016/j.agwat.2016.10.024>
- Sisingih, D., Wahyuni, S., & Hidayat, F. (2021). *Sedimentasi Waduk*. Malang: Universitas Brawijaya Press.
- Siswanto, S. Y., & Francés, F. (2019). How land use/land cover changes can affect water, flooding and sedimentation in a tropical watershed: A case study using distributed modeling in the Upper Citarum watershed, Indonesia. *Environmental Earth Sciences*, 78(17), 550. <https://doi.org/10.1007/s12665-019-8561-0>
- SNI 19-6737-2002 Metode perhitungan awal laju sedimentasi waduk.
- SNI 3414:2019 Tata cara pengambilan contoh muatan sedimen melayang di sungai dengan cara integrasi kedalaman berdasarkan pembagian debit.

- Soekarno, I., Farid, M., & Oriandra, R. D. (2020). Cirata Reservoir lifetime prediction using new hydrometrics and sediment approaches. *International Journal of GEOMATE*, 18(65), 41–48. <https://doi.org/10.21660/2019.64.18023>
- Sorooshian, S., Hsu, K.-L., Coppola, E., Tomassetti, B., Verdecchia, M., & Visconti, G. (Eds.). (2008). *Hydrological Modelling and the Water Cycle*. Berlin, Heidelberg: Springer Berlin Heidelberg. <https://doi.org/10.1007/978-3-540-77843-1>
- Srivoramasa, R., Nanthasamroeng, N., Pitakaso, R., Srichok, T., Khonjun, S., Sirirak, W., & Theeraviriya, C. (2023). Community agricultural reservoir construction and water supply network design in Ubon Ratchathani, Thailand, using adjusted variable neighborhood strategy adaptive search. *Water*, 15(3), 591. <https://doi.org/10.3390/w15030591>
- Strand, R. I., & Pemberton, E. L. (1987). Reservoir Sedimentation. In *Design of Small Dams* (3rd ed.). Denver: US Bureau of Reclamation.
- Susilo, E. (2001). Kajian Efisiensi Tangkapan Sedimen pada Beberapa Waduk di Jawa. In *Tesis*. Semarang: Magister Teknik Sipil Program Pascasarjana Universitas Diponegoro.
- Sutrisno, N., & Hamdani, A. (2020). Optimalisasi pemanfaatan sumber daya air untuk meningkatkan produksi pertanian. *Jurnal Sumberdaya Lahan*, 13(2), 73–88. <https://doi.org/10.21082/jsdl.v13n2.2019.73-88>
- Tabari, H., & Hosseinzadeh Talaei, P. (2014). Sensitivity of evapotranspiration to climatic change in different climates. *Global and Planetary Change*, 115, 16–23. <https://doi.org/10.1016/j.gloplacha.2014.01.006>
- Tan, G., Chen, P., Deng, J., Xu, Q., Tang, R., Feng, Z., & Yi, R. (2019). Review and improvement of conventional models for reservoir sediment trapping efficiency. *Heliyon*, 5(9), e02458. <https://doi.org/10.1016/j.heliyon.2019.e02458>
- Thanden, R. E., Sumadirdja, H., Richards, P. W., Sutisna, K., & Amin, T. C. (1996). *Peta Geologi Lembar Magelang dan Semarang 1408-5 & 1409-2*. Bandung: Badan Geologi.

- Tjasyono, B. (2004). *Klimatologi*. Bandung: ITB Press.
- Tjasyono, B., Gernowo, R., Sri Woro, B. H., & Ina, J. (2008). The Character of Rainfall in the Indonesian Monsoon. *International Symposium on Equatorial Monsoon System*. Yogyakarta.
- Turowski, J. M., Rickenmann, D., & Dadson, S. J. (2010). The partitioning of the total sediment load of a river into suspended load and bedload: A review of empirical data: The partitioning of sediment load. *Sedimentology*, 57(4), 1126–1146. <https://doi.org/10.1111/j.1365-3091.2009.01140.x>
- Wagner, P. D., Bieger, K., Arnold, J. G., & Fohrer, N. (2022). Representation of hydrological processes in a rural lowland catchment in Northern Germany using SWAT and SWAT +. *Hydrological Processes*, 36(5), e14589. <https://doi.org/10.1002/hyp.14589>
- Ward, A. D., Trimble, S. W., Burckhard, S. R., & Lyon, J. G. (2016). *Environmental Hydrology* (3rd ed.). Boca Raton: CRC Press, Taylor & Francis Group.
- Williams, J. R., & Berndt, H. D. (1977). Sediment yield prediction based on watershed hydrology. *Transactions of the American Society of Agricultural Engineers*, 20(6), 1100–1104. <https://doi.org/10.13031/2013.35710>
- Williams, J. R., Nicks, A. D., & Arnold, J. G. (1985). Simulator for Water Resources in Rural Basins. *Journal of Hydraulic Engineering*, 111(6), 970–986. [https://doi.org/10.1061/\(ASCE\)0733-9429\(1985\)111:6\(970\)](https://doi.org/10.1061/(ASCE)0733-9429(1985)111:6(970))
- Wischmeier, W. H., Johnson, C. B., & Cross, B. V. (1971). A soil erodibility nomograph for farmland and construction sites. *Journal of Soil and Water Conservation*, 26(5), 189–193.
- Wischmeier, W. H., & 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, DC: Agricultural Research Service, US Department of Agriculture.
- Wischmeier, W. H., & Smith, D. D. (1978). *Predicting rainfall erosion losses: A guide to conservation planning*. Washington, DC: US Department of Agriculture.

- Wu, M., Shi, P., Chen, A., Shen, C., & Wang, P. (2017). Impacts of DEM resolution and area threshold value uncertainty on the drainage network derived using SWAT. *Water SA*, 43(3), 450. <https://doi.org/10.4314/wsa.v43i3.10>
- Yen, H., Park, S., Arnold, J. G., Srinivasan, R., Chawanda, C. J., Wang, R., Feng, Q., Wu, J., Miao, C., Bieger, K., Daggupati, P., Griensven, A. V., Kalin, L., Lee, S., Sheshukov, A. Y., White, M. J., Yuan, Y., Yeo, I.-Y., Zhang, M., & Zhang, X. (2019). IPEAT+: A Built-In Optimization and Automatic Calibration Tool of SWAT+. *Water*, 11(8), 1681. <https://doi.org/10.3390/w11081681>
- Yeon, M., Kim, S., Shin, H., An, H., Lee, D., Jung, S., & Lee, G. (2021). Analysis of net erosion using a physics-based erosion model for the Doam Dam Basin in Korea. *Water*, 13(19), 2663. <https://doi.org/10.3390/w13192663>
- Yudiarso, R. A., Suhartanto, E., & Soetopo, W. (2014). Upaya konservasi Waduk Selorejo berdasarkan perkembangan peta penggunaan lahan dalam kurun waktu tahun 2000–2011. *Jurnal Teknik Pengairan*, 5(1), 1–8.
- Zinck, J. A., Metternicht, G., Bocco, G., & Del Valle, H. F. (Eds.). (2016). *Geopedology: An Integration of Geomorphology and Pedology for Soil and Landscape Studies* (1st ed. 2016). Cham: Springer International Publishing. <https://doi.org/10.1007/978-3-319-19159-1>
- Zuo, D., Xu, Z., Yao, W., Jin, S., Xiao, P., & Ran, D. (2016). Assessing the effects of changes in land use and climate on runoff and sediment yields from a watershed in the Loess Plateau of China. *Science of The Total Environment*, 544, 238–250. <https://doi.org/10.1016/j.scitotenv.2015.11.060>