DAFTAR PUSTAKA

Abbaspour, K. C., Rouholahnejad, E., Vaghefi, S., Srinivasan, R., Yang, H., dan 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

Allen, R. G., Luis, S. P., RAES, D., dan Smith, M. (1998). FAO Irrigation and Drainage Paper No. 56. Crop Evapotranspiration (guidelines for computing crop water requirements). *Irrigation and Drainage*, *300*(56), 300. https://doi.org/10.1016/j.eja.2010.12.001

Ang, R., dan Oeurng, C. (2018). Simulating streamflow in an ungauged catchment of Tonlesap Lake Basin in Cambodia using Soil and Water Assessment Tool (*SWAT*) model. *Water Science*, *32*(1), 89–101. https://doi.org/10.1016/j.wsj.2017.12.002

Arnold, J. G., Kiniry, J. R., Srinivasan, R., Williams, J. R., Haney, E. B., dan Neitsch, S. L. (2012). *Soil and Water Assessment Tool (SWAT) User's Manual, Version 2012*. https://doi.org/10.1007/978-0-387-35973-1_1231

Asdak, C. 2010. *Hidrologi dan Pengelolaan Daerah Aliran Sungai*. Yogyakarta: Gadjah Mada University Press.

Ashouri, H., Hsu, K. L., Sorooshian, S., Braithwaite, D. K., Knapp, K. R., Cecil, L. D., … Prat, O. P. (2015). PERSIANN-CDR: Daily precipitation climate data record from multisatellite observations for hydrological and climate studies. *Bulletin of the American Meteorological Society*, *96*(1), 69–83. https://doi.org/10.1175/BAMS-D-13-00068.1

Astuti, S. S., Suyono, dan Suryatmojo, H. 2016. *Hidrologi Hutan: Dasar-dasar, Analisis, dan Aplikasi*. Yogyakarta: Gadjah Mada University Press.

Atkinson, S. E., Sivapalan, M., Viney, N. R., dan Woods, R. A. (2003). Predicting space–time variability of hourly streamflow and the role of climate seasonality: Mahurangi Catchment, New Zealand. *Hydrological Processes*, *17*(11), 2171–2193. https://doi.org/10.1002/hyp.1327

Bai, P., Liu, X., Liang, K., dan Liu, C. (2015). Comparison of performance of twelve monthly water balance models in different climatic catchments of China. *Journal of Hydrology*, *529*, 1030–1040. https://doi.org/10.1016/j.jhydrol.2015.09.015

Bailey, D.J. 2015. "Using *SWAT* (Soil Water and Assessment Tool) to Evaluate Streamflow Hydrology in a Small Mountain Watershed in the Sierra Nevada, Ca". *Thesis*. Degree of Master of Arts in Geography, GIS Program, California State University: Northridge, 2015.

Baker, T. J., dan Miller, S. N. (2013). Using the Soil and Water Assessment Tool (*SWAT*) to assess land use impact on water resources in an East African watershed. *Journal of Hydrology*, *486*, 100–111. https://doi.org/10.1016/j.jhydrol.2013.01.041

Bappenas. 2014. Peraturan Presiden Republik Indonesia Tentang Rencana Pembangunan Jangka Menengah Nasional 2015-2019, Nomor 2 tahun 2015. Jakarta: Kementerian Perencanaan Pembangunan Nasional.

Bauwe, A., Kahle, P., dan Lennartz, B. (2016). Hydrologic evaluation of the curve number and Green and Ampt infiltration methods by applying Hooghoudt and Kirkham tile drain equations using *SWAT*. *Journal of Hydrology*, *537*, 311–321. https://doi.org/10.1016/j.jhydrol.2016.03.054

Ben-Asher, J., dan Berliner, P. R. (1994). *Runoff Irrigation*. (January), 126–154. https://doi.org/10.1007/978-3-642-78562-7_6

Bieger, K. (2013). *Assessing the impact of land use change on hydrology and sediment yield in the Xiangxi Catchment (China) using SWAT*. Retrieved from https://macau.uni-kiel.de/receive/dissertation_diss_00011201

Bieger, K., Hörmann, G., dan Fohrer, N. (2015). Analyse spatiale détaillée du ruissellement et de l'apport de sédiments simulés par SWAT dans un bassin versant montagneux en Chine. *Hydrological Sciences Journal*, *60*(5), 784–800. https://doi.org/10.1080/02626667.2014.965172

Bitew, M. M., dan Gebremichael, M. (2011). Assessment of satellite rainfall products for streamflow simulation in medium watersheds of the Ethiopian highlands. *Hydrology and Earth System Sciences*, *15*(4), 1147–1155. https://doi.org/10.5194/hess-15-1147-2011

Bitew, M. M., Gebremichael, M., Ghebremichael, L. T., dan Bayissa, Y. A. (2012). Evaluation of high-resolution satellite rainfall products through streamflow simulation in a hydrological modeling of a small mountainous watershed in Ethiopia. *Journal of Hydrometeorology*, *13*(1), 338–350. https://doi.org/10.1175/2011JHM1292.1

BMKG. (2017). Daftar Istilah Klimatologi. Diakses pada 15 Januari 2021, dari http://balai3.denpasar.bmkg.go.id/daftar-istilah-musim

BNPB. (2016). Banjir-Longsor Meningkat, Potret Buruknya Pengelolaan DAS, 23 September 2016. Diakses pada 20 Desember 2019, dari https://www.bnpb.go.id/banjir-longsor-meningkat-potret-buruknya-pengelolaan-das

BPDAS Solo. (2009). Luas Lahan Kritis 2009 Per Kab Wilayah BPDAS Solo. Diakses pada 1 Juni 2019. dari http://www.bpdassolo.net/File_download/Luas%20Lahan%20Kritis%202009%20Per%20Kab%20Wilayah%20BPDAS%20Solo.pdf

Brouwer, C., Goffeau, A., dan Heibloem, M. (1985). Irrigation Water Management: Training Manual No. 1-Introduction to Irrigation. *Irrigation Water Management*, (1), 152.

Budiarti, W., Gravitiani, E., dan Mujiyo, M. (2018). Analisis Aspek Biofisik Dalam Penilaian Kerawanan Banjir Di Sub Das Samin Provinsi Jawa Tengah. *Jurnal Pengelolaan Sumberdaya Alam Dan Lingkungan (Journal of Natural Resources and Environmental Management)*, *8*(1), 96–108. https://doi.org/10.29244/jpsl.8.1.96-108

Chow,V.T., Maidment, D.R., dan Mays, L.W., 1988. *Applied Hydrology, Civil Engineering Series*, McGraw-Hill International Editions, New York.

O'Connell, P., Ewen, J., O'Donnell, G., & P.F., Q. (2007). Is There a Link between Agricultural Land-Use Management and Flooding? *Hydrology and Earth System Sciences*, *11*. https://doi.org/10.5194/hess-11-96-2007

Critchley, W., dan Siegert, K. (1991). Manual of Water harvesting. *Water*, 154. Retrieved from http://www.fao.org/docrep/U3160E/u3160e00.HTM `

De Almeida Bressiani, D., Srinivasan, R., Jones, C. A., dan Mendiondo, E. M. (2015). Effects of different spatial and temporal weather data resolutions on the stream flow modeling of a semi-arid basin, Northeast Brazil. *International Journal of Agricultural and Biological Engineering*, *8*(3), 1–16. https://doi.org/10.3965/j.ijabe.20150803.970

Dee, D. P., Uppala, S. M., Simmons, A. J., Berrisford, P., Poli, P., Kobayashi, S., … Vitart, F. (2011). The ERA-Interim reanalysis: Configuration and performance of the data assimilation system. *Quarterly Journal of the Royal Meteorological Society*, *137*(656), 553–597. https://doi.org/10.1002/qj.828

Devia, G. K., Ganasri, B. P., dan Dwarakish, G. S. (2015). A Review on Hydrological Models. *Aquatic Procedia*, *4*(Icwrcoe), 1001–1007. https://doi.org/10.1016/j.aqpro.2015.02.126

Dhakal, N., Fang, X., Thompson, D. B., dan Cleveland, T. G. (2014). Modified rational unit hydrograph method and applications. *Proceedings of the Institution of Civil Engineers: Water Management*, *167*(7), 381–393. https://doi.org/10.1680/wama.13.00032

Dibyosaputro, S., Hadi, M. P., dan Darmakusuma, D. 2006. *Materi Kuliah Geomorfologi Fluvial*, Yogyakarta: Magister Fakultas Geografi, Universitas Gadjah Mada. Tidak dipublikasikan.

Dirjen RLPS. 2009. Peraturan Direktur Jenderal Rehabilitasi Lahan dan Pertanian Sosial tentang Pedoman Monitoring dan Evaluasi DAS, Nomor: P.04/V-SET/2009. Jakarta: Kementerian Kehutanan Republik Indonesia.

Ditjen BPDASPS. 2013. Peraturan Direktur Jenderal Bina Pengelolaan Daerah Aliran Sungai dan Perhutanan Sosial Tentang Pedoman Identifikasi Karakteristik Daerah Aliran Sungai, Nomor: P. 3/V-SET/2013. Jakarta: Kementerian Kehutanan Republik Indonesia.

Ditjen BPDASPS. 2013. Peraturan Direktur Jenderal Bina Pengelolaan Daerah Aliran Sungai dan Perhutanan Sosial Tentang Petunjuk Teknis Penyusunan Data Spasial Lahan Kritis, Nomor: P. 4/V-SET/2013. Jakarta: Kementerian Kehutanan Republik Indonesia.

Ditjen PEPDAS. 2017. Laporan Kinerja Direktorat Perencanaan dan Evaluasi Pengendalian DAS tahun 2017. Jakarta: Kementerian Lingkungan Hidup dan Kehutanan Republik Indonesia.

Dongjun, L., Jimin, L., Jonggun, K., Jae, L. K., A., E. B., Eui, Y. J., dan Younghun, J. (2019). Effects of Slope Magnitude and Length on SWAT Baseflow Estimation. *Journal of Irrigation and Drainage Engineering*, *145*(1), 4018037. https://doi.org/10.1061/(ASCE)IR.1943-4774.0001363

Duley, F. L., dan Hays, O. E. (1932). The Effect of the Degree of Slope on Run-Off and Soil Erosion '. *Journal of Agricultural Research*, *45*(6), 349–360.

Dwiratna, S., Bafdal, N., Asdak, C., dan Carsono, N. (2018). Study of runoff farming system to improve dryland cropping index in Indonesia. *International Journal on Advanced Science, Engineering and Information Technology*, *8*(2), 390–396. https://doi.org/10.18517/ijaseit.8.2.3268

FAO. (1993). *Soil tillage in Africa: Needs and challenges*. Rome: Food and Agriculture Organization of the United Nations.

FAO, 1997a. *Numbers of fishers, 1970-1995. FAO*, Rome. FAO Fisheries Circular No. 929, 124 p.

FAO, dan UNEP. (1999). *The Future of Our Land: FACING THE CHALLENGE-Guidelines for Intergrated Planning for Sustainable Mnanagement of Land Resources*. 1–88. https://doi.org/9251043669

Fohrer, N., Haverkamp, S., Eckhardt, K., dan Frede, H.-G. (2001). Hydrologic Response to land use changes on the catchment scale. *Physics and Chemistry of the Earth, Part B: Hydrology, Oceans and Atmosphere*, *26*(7), 577–582. https://doi.org/https://doi.org/10.1016/S1464-1909(01)00052-1

Fuka, D. R., Walter, M. T., Macalister, C., Degaetano, A. T., Steenhuis, T. S., dan Easton, Z. M. (2014). Using the Climate Forecast System Reanalysis as weather input data for watershed models. *Hydrological Processes*, *28*(22), 5613–5623. https://doi.org/10.1002/hyp.10073

Funk, C., Peterson, P., Landsfeld, M., Pedreros, D., Verdin, J., Shukla, S., … Michaelsen, J. (2015). The climate hazards infrared precipitation with stations - A new environmental record for monitoring extremes. *Scientific Data*, *2*, 1–21. https://doi.org/10.1038/sdata.2015.66

Geohring, L., Gates, D., W. Duiker, S. B., dan Ossard, S. (2016). NRCCA Soil and Water Management – Study Guide. *Cornell University*, 29–30. Retrieved from https://nrcca.cals.cornell.edu/

Green, I. R. A., dan Stephenson, D. (1986). Criteria for comparison of single event models. *Hydrological Sciences Journal*, *31*(3), 395–411. https://doi.org/10.1080/02626668609491056

Gupta, H., Sorooshian, S., dan Yapo, P. (1999). Status of Automatic Calibration for Hydrologic Models: Comparison With Multilevel Expert Calibration. *Journal of Hydrologic Engineering - J HYDROL ENG*, *4*. https://doi.org/10.1061/(ASCE)1084-0699(1999)4:2(135)

Hadi, M.P., 1989, The Hydrological Study of the Upper Bengawan Solo Catchment, Indonesia; A Contribution to the Hydrological Modelling, Water Resources Management and Development Planning, *Thesis*, ITC, Enschede.

Hadi, M. P. (2017). Pemahaman Karakteristik Hujan Sebagai Dasar Pemilihan Model Hidrologi (Studi Kasus di Das Bengawan Solo Hulu). *Forum Geografi*, *20*(1), 13–26. https://doi.org/10.23917/forgeo.v20i1.1804

Henriksen, H. J., Troldborg, L., Nyegaard, P., Sonnenborg, T. O., Refsgaard, J. C., dan Madsen, B. (2003). Methodology for construction, calibration and

validation of a national hydrological model for Denmark. *Journal of Hydrology*, *280*(1–4), 52–71. https://doi.org/10.1016/S0022-1694(03)00186-0

Her, Y., Frankenberger, J., Chaubey, I., dan Srinivasan, R. (2015). Threshold effects in *HRU* definition of the soil and water assessment tool. *Transactions of the ASABE*, *58*(2), 367–378. https://doi.org/10.13031/trans.58.10805

Himanshu, S. K., Pandey, A., dan Shrestha, P. (2017). Application of *SWAT* in an Indian river basin for modeling runoff, sediment and water balance. *Environmental Earth Sciences*, *76*(1). https://doi.org/10.1007/s12665-016-6316-8

Huffman, G. J., Adler, R. F., Bolvin, D. T., Gu, G., Nelkin, E. J., Bowman, K. P., … Wolff, D. B. (2007). The TRMM Multisatellite Precipitation Analysis (TMPA): Quasi-global, multiyear, combined-sensor precipitation estimates at fine scales. *Journal of Hydrometeorology*, *8*(1), 38–55. https://doi.org/10.1175/JHM560.1

Huffman, G. J., Stocker, E. F., Bolvin, D. T., Nelkin, E. J., dan Jackson, T. (2019). GPM IMERG Early Precipitation L3 Half Hourly 0.1 degree x 0.1 degree V06. *Goddard Earth Sciences Data and Information Services Center (GES DISC)*, (March). https://doi.org/10.5067/GPM/IMERG/3B-HH-E/06

Hou, A. Y., Kakar, R. K., Neeck, S., Azarbarzin, A. A., Kummerow, C. D., Kojima, M., … Iguchi, T. (2014). The global precipitation measurement mission. *Bulletin of the American Meteorological Society*, *95*(5), 701–722. https://doi.org/10.1175/BAMS-D-13-00164.1

Joyce, R. J., Janowiak, J. E., Arkin, P. A., dan Xie, P. (2004). CMORPH: A method that produces global precipitation estimates from passive microwave and infrared data at high spatial and temporal resolution. *Journal of Hydrometeorology*, *5*(3), 487–503. https://doi.org/10.1175/1525-7541(2004)005<0487:CAMTPG>2.0.CO;2

Junaidi, E., dan Indrajaya, Y. (2018). Hydrological Responses of Agroforestry System Application Which is Not Based on Land Suitability, a Case Study in Cimuntur Watershed. *Jurnal Penelitian Kehutanan Wallacea*, *7*(1), 69–81. https://doi.org/10.18330/jwallacea.2018.vol7iss1pp69-81

Kannan, N., White, S. M., Worrall, F., dan Whelan, M. J. (2007). Sensitivity analysis and identification of the best evapotranspiration and runoff options for hydrological modelling in *SWAT*-2000. *Journal of Hydrology*, *332*(3–4), 456–466. https://doi.org/10.1016/j.jhydrol.2006.08.001

Kilonzo, F. N. (2014). *Assessing the Impacts of Environmental Changes on the Water Resources of the Upper Mara , Lake Victoria Basin*. (January).

Kim, H. W., Li, M. H., Kim, J. H., dan Jaber, F. (2016). Examining the impact of suburbanization on surface runoff using the *SWAT*. *International Journal of Environmental Research*, *10*(3), 379–390.

KlemeŠ, V. (1986). Operational testing of hydrological simulation models. *Hydrological Sciences Journal*, *31*(1), 13–24. https://doi.org/10.1080/02626668609491024

Koorevaar, P., Menelik, G., dan Dirksen, C. (1983). *Elements of soil physics / P. Koorevaar, G. Menelik, and C. Dirksen*. Elsevier Amsterdam ; New York.

Labrière, N., Locatelli, B., Laumonier, Y., Freycon, V., dan Bernoux, M. (2015). Soil erosion in the humid tropics: A systematic quantitative review. *Agriculture, Ecosystems and Environment*, *203*, 127–139. https://doi.org/10.1016/j.agee.2015.01.027

Lago, C., Caldés, N., & Lechón, Y. B. T.-T. R. of B. in the B. (Eds.). (2019). *Chapter Six - Sustainability of Bioenergy*. https://doi.org/https://doi.org/10.1016/B978-0-12-813056-8.00006-6

Li, D., Christakos, G., Ding, X., dan Wu, J. (2018). Adequacy of TRMM satellite rainfall data in driving the *SWAT* modeling of Tiaoxi catchment (Taihu lake basin, China). *Journal of Hydrology*, *556*, 1139–1152. https://doi.org/10.1016/j.jhydrol.2017.01.006

Liu, C., dan Zipser, E. J. (2015). The global distribution of largest, deepest, and most intense precipitation systems. *Geophysical Research Letters*, *42*(9), 3591–3595. https://doi.org/10.1002/2015GL063776

Luo, P., Takara, K., He, B., Cao, W., Yamashiki, Y., dan Nover, D. (2012). CALIBRATION AND UNCERTAINTY ANALYSIS OF *SWAT* MODEL IN A JAPANESE RIVER CATCHMENT. *Journal of Japan Society of Civil Engineers, Ser. B1 (Hydraulic Engineering)*, *67*. https://doi.org/10.2208/jscejhe.67.I_61

Marhaento, H., Booij, M. J., Rientjes, T. H. M., dan Hoekstra, A. Y. (2017). Attribution of changes in the water balance of a tropical catchment to land use change using the *SWAT* model. *Hydrological Processes*, *31*(11), 2029–2040. https://doi.org/10.1002/hyp.11167

Marhaento, H. (2018). *Effects of changes in land use and climate on water availability of a tropical catchment*. https://doi.org/10.3990/1.9789036544917

Maryudi, A., Nawir, A. A. (2017). *Hutan Rakyat di Simpang Jalan*. Yogyakarta: Gadjah Mada University Press.

Menteri Kehutanan Republik Indonesia. 2014. Peraturan Menteri Kehutanan Republik Indonesia Tentang Monitoring dan Evaluasi Pengelolaan Daerah Aliran Sungai, Nomor: P. 61/Menhut-II/2014. Jakarta: Kementerian Kehutanan Republik Indonesia.

Moriasi, D., Arnold, J., Van Liew, M., Bingner, R., Harmel, R. D., dan Veith, T. (2007). Model Evaluation Guidelines for Systematic Quantification of Accuracy in Watershed Simulations. *Transactions of the ASABE*, *50*. https://doi.org/10.13031/2013.23153

Mu, W., Yu, F., Li, C., Xie, Y., Tian, J., Liu, J., dan Zhao, N. (2015). Effects of rainfall intensity and slope gradient on runoff and soil moisture content on different growing stages of spring maize. *Water (Switzerland)*, *7*(6), 2990–3008. https://doi.org/10.3390/w7062990

Mulungu, D. M. M., dan Munishi, S. E. (1996). *Simiyu River catchment parameterization using SWAT model By 1 Deogratias M.M. Mulungu and 2 Subira E. Munishi*. 1–11.

Nash, J. E., dan Sutcliffe, J. V. (1970). River flow forecasting through conceptual models part I — A discussion of principles. *Journal of Hydrology*, *10*(3), 282–290. https://doi.org/https://doi.org/10.1016/0022-1694(70)90255-6

Nachtergaele, F., Velthuizen, H. van, Verelst, L., Wiberg, D., Batjes, N., Dijkshoorn, K., … Shi, X. (2012). Harmonized World Soil Database (version 1.2). *FAO, Rome, Italy and IIASA, Laxenburg, Austria*, 1–50. Retrieved from http://www.fao.org/nr/water/docs/harm-world-soil-dbv7cv.Pdf

National Center for Atmospheric Research Staff (Eds). 2020. *The Climate Data Guide: Precipitation Data Sets: Overview dan Comparison table*. https://climatedataguide.ucar.edu/climate-data/precipitation-data-sets-overview-comparison-table Diakses tanggal 13 Juni 2020.

Neal, J. H. (1938). The Effect of the Degree of Slope and Rainfall Characteristics on Runoff and Soil Erosion. *Soil Science Society of America Journal*, *2*(C), 525–532. https://doi.org/10.2136/sssaj1938.036159950002000c0083x

Neitsch, S. L., Arnold, J. G., Kiniry, J. R., dan Williams, J. R. (2011). *Theoretical documentation SWAT*.

Nguyen, V. T. (2012). *A Simple Tool for Creating TxtInOut files for Simulating Land Use Change with SWAT (new HRUs due to land use change , linear interpolation of HRU fraction also possible)*. 1–4. Retrieved from https://github.com/tamnva/*SWAT*_LUC

Ondr, P., Pečenka, J., Polenský, J., dan Ciml, J. (2016). Effect of land use changes on water run-off from a small catchment in the Czech Republic. *Ekológia (Bratislava)*, *35*. https://doi.org/10.1515/eko-2016-0006

Pagliero, L., Bouraoui, F., Diels, J., Willems, P., dan McIntyre, N. (2019). Investigating regionalization techniques for large-scale hydrological modelling. *Journal of Hydrology*, *570*(September 2017), 220–235. https://doi.org/10.1016/j.jhydrol.2018.12.071

Parker, W. S. (2016). Reanalyses and observations: What's the Difference? *Bulletin of the American Meteorological Society*, *97*(9), 1565–1572. https://doi.org/10.1175/BAMS-D-14-00226.1

Paul, B. K., dan Rashid, H. (2017). *Chapter Six - Land Use Change and Coastal Management* (B. K. Paul & H. B. T.-C. H. in C. B. Rashid, eds.). https://doi.org/https://doi.org/10.1016/B978-0-12-805276-1.00006-5

Pemprov Jateng. 2010. Peraturan Daerah Provinsi Jawa Tengah Tentang Tata Ruang Wilayah Provinsi Jawa Tengah tahun 2009-2029, Nomor:6, tahun 2010. Semarang: Pemerintah Provinsi Jawa Tengah.

Pemprov Jateng. 2018. KLHS RPJMD Provinsi Jawa Tengah tahun 2018-2023. Semarang: Pemerintah Provinsi Jawa Tengah.

Pereira, D., Martinez, M., Silva, D., dan Pruski, F. (2016). Hydrological simulation in a basin of typical tropical climate and soil using the *SWAT* Model Part II: Simulation of hydrological variables and soil use scenarios. *Journal of Hydrology: Regional Studies*, *5*. https://doi.org/10.1016/j.ejrh.2015.11.008

Permonojati, L. 2016. "Evaluasi *Water Yield* (Hasil Air) Melalui Pemodelan Hidrologi dan Skenario penggunaan lahan (Kasus di DAS Serang, Kulon Progo)". *Tesis*. Program Studi Magister Perencanaan dan Pengelolaan Pesisir dan Daerah Aliran Sungai, Fakultas Geografi, Universitas Gadjah Mada: Yogyakarta, 2016

Pokhrel, B. K. (2018). Impact of land use change on flow and sediment yields in the Khokana outlet of the Bagmati River, Kathmandu, Nepal. *Hydrology*, *5*(2). https://doi.org/10.3390/hydrology5020022

Rafiei Emam, A., Kappas, M., Akhavan, S., Hosseini, S. Z., dan Abbaspour, K. C. (2015). Estimation of groundwater recharge and its relation to land degradation: case study of a semi-arid river basin in Iran. *Environmental Earth Sciences*, *74*(9), 6791–6803. https://doi.org/10.1007/s12665-015-4674-2

Rafiei Emam, A., Kappas, M., Linh, N., dan Renchin, T. (2017). Hydrological Modeling and Runoff Mitigation in an Ungauged Basin of Central Vietnam Using *SWAT* Model. *Hydrology*, *4*(1), 16. https://doi.org/10.3390/hydrology4010016

Retnowati, S. 2012. "Dampak Alih Fungsi Lahan Terhadap Kondisi Tata Air di Sub-Sub DAS Ngunut I dan Sub-Sub DAS Tapan". *Tesis*. Program Studi Ilmu Lingkungan, Universitas Sebelas Maret: Surakarta, 2012

Ritzema, H. P. (1994). Edepotlink_I183157_001. In *Drainage Principles and Applications* (Vol. 16). Retrieved from http://www.ircwash.org/resources/drainage-principles-and-applications

Ruan, H., Zou, S., Yang, D., Wang, Y., Yin, Z., Lu, Z., … Xu, B. (2017). Runoff simulation by *SWAT* model using high-resolution gridded precipitation in the upper Heihe River Basin, Northeastern Tibetan Plateau. *Water (Switzerland)*, *9*(11). https://doi.org/10.3390/w9110866

Sallata, M. K. (2005). Pinus Merkusii (Pinus merkusii Jungh et de Vriese) dan Keberadaannya di Kabupaten Tana Toraja, Sulawesi Selatan. *Info Teknis Eboni*, *10(2)*(September), 85–98.

Sancayaningsih, R. P., Suprayogi, S., Purnomo, Trijoko, Semiarti, E., Fatchurohman, H., Hartantyo, R. H., dan Kusumadewi, A. 2017. *Pengelolaan Ekosistem DAS di Kabupaten Gianyar*. Yogyakarta: Gadjah Mada University Press.

Sangeeta, S., dan Rahatwal, S. (2017). .. *Estimation of Flow for Ungauged Watersheds in Pranhita of Godavari River Basin in India Using SWAT*. (I), 90–106.

Schmidt, F.H and Fergusson, J.H.A, 1951. *Rainfall Types Based on Wet and Dry Period Ratios for Indonesia with Western New Guinea*. Jakarta: Kementerian Perhubungan, Djawatan Meteorologi dan Geofisik.

Sellami, H., La Jeunesse, I., Benabdallah, S., Baghdadi, N., dan Vanclooster, M. (2014). Uncertainty analysis in model parameters regionalization: A case study involving the *SWAT* model in Mediterranean catchments (Southern France). *Hydrology and Earth System Sciences*, *18*(6), 2393–2413. https://doi.org/10.5194/hess-18-2393-2014

Sirisena, T. A. J. G., Maskey, S., Ranasinghe, R., dan Babel, M. S. (2018). Effects of different precipitation inputs on streamflow simulation in the Irrawaddy River Basin, Myanmar. *Journal of Hydrology: Regional Studies*, *19*(April), 265–278. https://doi.org/10.1016/j.ejrh.2018.10.005

Sisay, E., Halefom, A., Khare, D., Singh, L., dan Worku, T. (2017). Hydrological modelling of ungauged urban watershed using *SWAT* model. *Modeling Earth Systems and Environment*, *3*(2), 693–702. https://doi.org/10.1007/s40808-017-0328-6

Slamet, L. S., Basukriadi, A., Thayeb, M. H., Edi, T., dan Soesilo, B. (2013). Pengaruh penggenangan pada teknik budidaya padi terhadap infiltrasi dan neraca air. *Forum Geografi*, *27*(1), 33–44.

Strauch, M., Otto, R., dan Volk, M. (2015). *HRU Aggregation and its Effects on Model Outputs*. Sardinia: 2015 International SWAT Conference, Helmholtz Centre for Environmental Research - UFZ. https://swat.tamu.edu/media/114731/b2-4-strauch.pdf

Sudarmadji, Hadi, M. P., Widyastuti, M. 2016. *Pengelolaan Sumberdaya Air Terpadu*.Yogyakarta: Gadjah Mada University Press.

Suharyadi. 2012. *INTERPRETASI HIBRIDA (Sebuah Model Alternatif untuk Ekstraksi Data Spasial dari Citra Penginderaan Jauh)*. Yogyakarta: Fakultas Geografi, Universitas Gadjah Mada.

Tan, M. L., Gassman, P. W., dan Cracknell, A. P. (2017). Assessment of three long-term gridded climate products for hydro-climatic simulations in tropical river basins. *Water (Switzerland)*, *9*(3). https://doi.org/10.3390/w9030229

Tasdighi, A., Arabi, M., dan Harmel, D. (2018). A probabilistic appraisal of rainfall-runoff modeling approaches within *SWAT* in mixed land use watersheds. *Journal of Hydrology*, *564*(May 2017), 476–489. https://doi.org/10.1016/j.jhydrol.2018.07.035

Tegegne, G., dan Kim, Y. O. (2018). Modelling ungauged catchments using the catchment runoff response similarity. *Journal of Hydrology*, *564*(March), 452–466. https://doi.org/10.1016/j.jhydrol.2018.07.042

Tejaswini, V., dan Sathian, K. K. (2018). Calibration and Validation of *SWAT* Model for Kunthipuzha Basin Using SUFI-2 Algorithm. *International Journal of Current Microbiology and Applied Sciences*, *7*(1), 2162–2172. https://doi.org/10.20546/ijcmas.2018.701.260

Thom, V. T., Khoi, D. N., dan Linh, D. Q. (2017). Using gridded rainfall products in simulating streamflow in a tropical catchment - A case study of the Srepok River Catchment, Vietnam. *Journal of Hydrology and Hydromechanics*, *65*(1), 18–25. https://doi.org/10.1515/johh-2016-0047

Thompson, D. B. (2006). The Rational Method. *Engineering Hydrology*, (January), 21. Retrieved from http://drdbthompson.net/writings/rational.pdf

Tuo, Y., Duan, Z., Disse, M., dan Chiogna, G. (2016). Evaluation of precipitation input for *SWAT* modeling in Alpine catchment: A case study in the Adige river basin (Italy). *Science of the Total Environment*, *573*, 66–82. https://doi.org/10.1016/j.scitotenv.2016.08.034

Udkhiyah, R. 2017. "Aplikasi *SWAT* untuk Simulasi Nilai Kesetimbangan Air Pada penggunaan lahan Kebun Campuran di Sebagian DAS Bompon Kabupaten Magelang". *Tesis*. Program Studi Magister Perencanaan dan Pengelolaan Pesisir dan Daerah Aliran Sungai, Fakultas Geografi, Universitas Gadjah Mada: Yogyakarta, 2017.

USDA, S. (1986). Urban Hydrology for Small. *Soil Conservation*, (Technical Release 55 (TR-55)), 164. Retrieved from http://scholar.google.com/scholar?hl=endanbtnG=Searchdanq=intitle:Urban+Hydrology+for+Small+watersheds#1

USGS. (2017, November 20). Runoff: Surface and Overland Water Runoff. Diakses pada 16 Januari 2021, dari https://www.usgs.gov/special-topic/water-science-school/science/runoff-surface-and-overland-water-runoff?qt-science_center_objects=0#qt-science_center_objects

Van den Besselaar, E., Schrier, G., Cornes, R., Suwondo, A., dan Tank, A. (2017). SA-OBS: A Daily Gridded Surface Temperature and Precipitation Dataset for Southeast Asia. *Journal of Climate*, *30*. https://doi.org/10.1175/JCLI-D-16-0575.1

Vanrolleghem, P. A. (2015). Modelling Aspects of Water Framework Directive Implementation. https://doi.org/10.2166/9781780401676

Vilaysane, B., Takara, K., Luo, P., Akkharath, I., dan Duan, W. (2015). Hydrological Stream Flow Modelling for Calibration and Uncertainty Analysis Using *SWAT* Model in the Xedone River Basin, Lao PDR. *5th International Conference on Sustainable Future for Human Security, SustaiN 2014*, *28*. https://doi.org/10.1016/j.proenv.2015.07.047

Welde, K., dan Gebremariam, B. (2017). Effect of land use land cover dynamics on hydrological response of watershed: Case study of Tekeze Dam watershed, northern Ethiopia. *International Soil and Water Conservation Research*, *5*(1), 1–16. https://doi.org/10.1016/j.iswcr.2017.03.002

Wilk, J., Kniveton, D., Andersson, L., Layberry, R., Todd, M. C., Hughes, D., … Vanderpost, C. (2006). Estimating rainfall and water balance over the Okavango River Basin for hydrological applications. *Journal of Hydrology*, *331*(1), 18–29. https://doi.org/https://doi.org/10.1016/j.jhydrol.2006.04.049

Williams, J.R. (1995) The EPIC Model. In: Singh, V.P., Ed., Computer Models of Watershed Hydrology, Chapter 25, Water Resources Publications, Highlands Ranch.

Williams, J. J., dan Esteves, L. S. (2017). Guidance on Setup, Calibration, and Validation of Hydrodynamic, Wave, and Sediment Models for Shelf Seas

and Estuaries. *Advances in Civil Engineering*, *2017*. https://doi.org/10.1155/2017/5251902

Winchell, M., Srinivasan, R., Di Luzio, M., dan Arnold, J. (2008). Arc*SWAT* 2.1 Interface For *SWAT*2005: User's Guide, *Blackland Research Center, Temple, TX*.

Winchell, M., Srinivasan, R., Di Luzio, M., dan Arnold, J. (2013). Arc*SWAT* Interface For *SWAT*2012: User's Guide. *Texas Agricultural Experiment Station and United States Department of Agriculture, Temple, TX.*, 464.

WMO, 1994. *Guide to Hydrological Practices. Data Acquisition and Processing, Analysis, Forecasting, and Other Application,* Fifth edition. World Meteorological Organization, Geneva.

WMO, 2008. *Guide to Hydrological Practices. Volume I: Hydrology – From Measurement to Hydrological Information*, Sixth edition. World Meteorological Organization, Geneva.

Yacoub, C., dan Foguet, A. P. (2013). Slope Effects on SWAT Modeling in a Mountainous Basin. *Journal of Hydrologic Engineering*, *18*(12), 1663–1673. https://doi.org/10.1061/(asce)he.1943-5584.0000756

Yang, X., Liu, Q., He, Y., Luo, X., dan Zhang, X. (2016). Comparison of daily and sub-daily *SWAT* models for daily streamflow simulation in the Upper Huai River Basin of China. *Stochastic Environmental Research and Risk Assessment*, *30*(3), 959–972. https://doi.org/10.1007/s00477-015-1099-0

Yin, Z., Feng, Q., Zou, S., dan Yang, L. (2016). Assessing variation in water balance components in mountainous Inland River Basin experiencing climate change. *Water (Switzerland)*, *8*(10). https://doi.org/10.3390/w8100472

Yu, X., dan Duffy, C. J. (2018). Watershed hydrology: Scientific advances and environmental assessments. *Water (Switzerland)*, *10*(3), 1–6. https://doi.org/10.3390/w10030288

Zhang, L., Dawes, W. R., dan Walker, G. R. (2001). Response of mean annual evapotranspiration to vegetation changes at catchment scale. *Water Resources Research*, *37*(3), 701–708. https://doi.org/10.1029/2000WR900325

Zhang, L., Walker, G. R., dan Dawes, W. R. (2002). Water Balance Modelling: Concepts and Applications. *Regional Water and Soil Assessment for Manageing Sustainable Agriculture in China and Australia*, (84), 31–47. Retrieved from http://www.eoc.csiro.au/aciar/book/PDF/Monograph_84_Chapter_01.pdf

Zhang, D., Lin, Q., Chen, X., & Chai, T. (2019). Improved curve number estimation in SWAT by reflecting the effect of rainfall intensity on runoff generation. *Water (Switzerland)*, *11*(1). https://doi.org/10.3390/w11010163