DAFTAR PUSTAKA

Achmad, A. C. (2006). Pengkajian Sistem Prakiraan dan Peringatan Dini Terjadinya Banjir Lahar di Daerah Gunung Merapi. *Tesis*. Universitas Gadjah Mada Yogyakarta.

Aldrian, E., Karmini, M., & Budiman. (2011). *Adaptasi dan Mitigasi Perubahan Iklim di Indonesia*. Pusat Perubahan Iklim dan Kualitas Udara BMKG.

Allen, M.R., Ingram, W.J., (2002). Constraints on future changes in climate and the hydrologic cycle. *Nature* 419, 224–232.

Badan Meteorologi Klimatologi dan Geofisika. (2010). Kondisi Cuaca Ekstrem dan Iklim Tahun 2010-2011. Jakarta

Benestad, R. E., Hanssen-Bauer, I., & Chen, D. (2008). Empirical-statistical downscaling. *Empirical-Statistical Downscaling*, 1–215. https://doi.org/10.1142/6908

Coulibaly, P., & Shi, X. (2005). Identification of the Effect of Climate Change on Future Design Standards of Drainage Infrastructure in Ontario, (905).

Daksiya, V., Mandapaka, P., & Lo, E. Y. M. (2017). A Comparative Frequency Analysis of Maximum Daily Rainfall for a SE Asian Region under Current and Future Climate Conditions. *Advances in Meteorology*, *2017*.

Dani Ekasari. (2005). Kajian Rumus Intensitas Hujan (Mononobe) Berdasarkan Data Hujan Durasi Pendek. *Skripsi*. Universitas Gadjah Mada Yogyakarta

Dibyosaputro, S., Cahyadi, A., Nugraha, H., & Suprayogi, S. (2016). Estimasi Dampak Perubahan Iklim Terhadap Kerawanan Banjir Lahar Di Magelang, Jawa Tengah. *Seminar Nasional Geografi UMS 2016*. https://doi.org/10.31227/osf.io/5m4ry

IPCC. (2013.) The Physical Science Basis. Chapter 2: Observations: Atmosphere and Surface. *Climate Change 2013 the Physical Science Basis: Working Group I Contribution to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, *9781107057*, 159–254.

Gulacha, M. M., & Mulungu, D. M. M. (2017). Generation of climate change scenarios for precipitation and temperature at local scales using SDSM in Wami-Ruvu River Basin Tanzania. *Physics and Chemistry of the Earth*, *100*, 62–72.

Haan, Charles. (2002). *Statistical Methods in Hydrology*. Blackwell Publishing

Hashmi, M. Z., Shamseldin, A. Y., & Melville, B. W. (2011). Comparison of SDSM and LARS-WG for simulation and downscaling of extreme precipitation events in a watershed. *Stochastic Environmental Research and Risk Assessment*, *25*(4), 475–484.

Hassan, Z., Shamsudin, S., & Harun, S. (2014). Application of SDSM and LARS-WG for simulating and downscaling of rainfall and temperature. *Theoretical and Applied Climatology*, *116*(1–2), 243–257. https://doi.org/10.1007/s00704-013-0951-8

Hessami, M., Gachon, P., Ouarda, T. B. M. J., & St-Hilaire, A. (2008). Automated regression-based statistical downscaling tool. *Environmental Modelling and Software*, *23*(6), 813–834. https://doi.org/10.1016/j.envsoft.2007.10.004

Hussain, M., Yusof, K. W., Mustafa, M. R., Mahmood, R., and Shaofeng, J. (2017). "Projected changes in temperature and precipitation in sarawak state of Malaysia for selected CMIP5 climate scenarios". *International Journal of Sustainable Development and Planning*, *12*(8), 1299–1311.

Helsel, D. R., & Hirsch, R. M. (2002). Statistical Methods in Water Resources. In *Hydrologic Analysis and Interpretation*.

Indarto. (2013). Analisis Geostatik. Yogyakarta : Graha Ilmu

IPCC. (2013). Introduction. In Y. Ding, L. Mearns, & P. Wadhams (Eds.), *Climate Change 2013 the Physical Science Basis: Working Group I Contribution to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change* (Vol. 9781107057, pp. 119–158). Cambridge and New York: Cambridge University Press.

IPCC. (2013.) The Physical Science Basis. Chapter 2: Observations: Atmosphere and Surface. *Climate Change 2013 the Physical Science Basis: Working Group I Contribution to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*, *9781107057*, 159–254.

IPCC. (2013a). Annex I : Atlas of Global and Regional Climate Projections. In G. J. van Oldenborgh, M. Collins, J. Arblaster, H. Christensen, J. Marotzke, S. B. Power, … T. Zhou (Eds.), *The Physical Science Basis. Contribution of Working Group I to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change* (p. 1311). Cambridge and New York: Cambridge University Press.

Joshi, S., Kumar, K., Joshi, V., & Pande, B. (2013). Rainfall variability and indices of extreme rainfall-analysis and perception study for two stations over Central Himalaya, India. *Natural Hazards*, *72*(2), 361–374.

Kalnay *et al*.,The NCEP/NCAR 40-year reanalysis project, Bull. Amer. Meteor. Soc., 77, 437-470, 1996.

Kamiana, I Made. 2012. Teknik Perhitungan Debit Rencana Bangunan Air. Yogyakarta: Graha Ilmu

Karlina. (2013). Analisis Kekeringan Meteorologis di Wilayah Kabupaten Wonogiri. *Tesis*. Universitas Gadjah Mada Yogyakarta

Kottegoda, N. T., & Rosso, R. (2008). *Applied Statistics for Civil and Environmental Engineers*. Blackwell Publishing.

Liew, S. C. (2012). A Novel Approach Using Regional Climate Model To Derive Present and Future Intensity-Duration-Frequency Curves. In *National University of Singapore*.

Mahmood, R., and Babel, M. S. (2013). "Evaluation of SDSM developed by annual and monthly sub-models for downscaling temperature and precipitation in the Jhelum basin, Pakistan and India". *Theoretical and Applied Climatology*, *113*(1–2), 27–44.

Manton, M.J. & Della-Marta, Paul & Haylock, M.R. & Hennessy, K. & Nicholls, Neville & Chambers, Lynda & Collins, D.A. & Daw, G. & Finet, A. & Gunawan, Dodo & Inape, Kasis & Isobe, H. & Kestin, T.S. & Lefale, Penehuro & Leyu, C.H. & Lwin, T. & Maitrepierre, Luc & Ouprasitwong, N. & Page, C.M. & Yee, D.. (2001). "Trends in extreme daily rainfall and temperature in Southeast Asia and The South Pacific: 1961–1998". *International Journal of Climatology*. 21. 269 - 284.

Mirhosseini, G., Srivastava, P., & Stefanova, L. (2013). The impact of climate change on rainfall Intensity-Duration-Frequency (IDF) curves in Alabama. *Regional Environmental Change*, *13*(SUPPL.1), 25–33.

Nigussie, T. A., & Altunkaynak, A. (2019). Impacts of climate change on the trends of extreme rainfall indices and values of maximum precipitation at Olimpiyat Station, Istanbul, Turkey. *Theoretical and Applied Climatology*, *135*(3–4), 1501–1515.

Noor, M., Ismail, T., Chung, E. S., Shahid, S., & Sung, J. H. (2018). Uncertainty in rainfall intensity duration frequency curves of Peninsular Malaysia under changing climate scenarios. *Water (Switzerland)*, *10*(12).

Nursaleh. (2010). Analisis Ketelitian Rumus Empiris Intensitas-Durasi-Frekuensi Hujan untuk Hitungan Banjir Rancangan. *Tesis*. Universitas Gadjah Mada Yogyakarta.

Ouyang, W., Hao, F., Shi, Y., Gao, X., Gu, X., & Lian, Z. (2019). Predictive ability of climate change with the automated statistical downscaling method in a freeze–thaw agricultural area. *Climate Dynamics*, *52*(11), 7013–7028.

Pariartha. (2008). Pengaruh Ketidakpanggahan Data Hujan terhadpa Debit Banjir Rancangan. *Tesis*. Universitas Gadjah Mada Yogyakarta

Pratiwi, E. P. A. (2011). "Kajian Variabilitas Curah Hujan di Kawasan Lereng Gunung Merapi". Tesis, Universitas Gadjah Mada Yogyakarta.

Pratiwi, E.P.A., Sujono, J., Jayadi, R. (2012). "Kajian Variabilitas Curah Hujan di Wilayah Lereng Gunung Merapi dengan Uji Mann-Kendall". Info Teknik, Vol.12, No.1, 1-10.

Sanchez-Moreno, J. F., Mannaerts, C. M., & Jetten, V. (2013). Influence of topography on rainfall variability in Santiago Island, Cape Verde. *International Journal of Climatology*, *34*(4), 1081–1097.

Santikayasa, I. P., Babel, M. S., & Shrestha, S. (2015). Assessment of the Impact of Climate Change on Water Availability in the Citarum River Basin, Indonesia The Use of Statistical Downscaling and Water Planning Tools. *Managing Water Resources Under Climate Uncertainty*, 1–438.

Schardong, A., Gaur, A., Simonovic, S. P., & Sandink, D. (2018). *Computerized Tool for the Development of Intensity-Duration-Frequency Curves Under a Changing Climate*. *University of Western Ontario*.

Semenov, M. A., & Barrow, E. M. (2002). LARS-WG, A Stochastic Weather Generator for Use in Climate Impact Studies. User Manual, Version 3 http:/www.rothamsted.ac.uk/mas-models/download/LARS-WG-Manual.pdf., (August), 0–27.

Shrestha, A., Babel, M. S., Weesakul, S., & Vojinovic, Z. (2017). Developing Intensity-Duration-Frequency (IDF) curves under climate change uncertainty: The case of Bangkok, Thailand. *Water (Switzerland)*, *9*(2). https://doi.org/10.3390/w9020145

Simonovic, S. P., Schardong, A., Sandink, D., & Srivastav, R. (2016). A web-based tool for the development of Intensity Duration Frequency curves under changing climate. *Environmental Modelling and Software*, *81*, 136–153.

Singh, D., Jain, S. K., & Gupta, R. D. (2015). Statistical downscaling and projection of future temperature and precipitation change in middle catchment of Sutlej River Basin, India. *Journal of Earth System Science*, *124*(4), 843–860.

Singh, R., Arya, D. S., Taxak, A. K., & Vojinovic, Z. (2016). Potential Impact of Climate Change on Rainfall Intensity-Duration-Frequency Curves in Roorkee, India. *Water Resources Management*, *30*(13), 4603–4616.

Sofia, Dewi Ayu. (2015). Karakteristik Curah Hujan di Wilayah Merapi. *Tesis*. Universitas Gadjah Mada Yogyakarta

Sosrodarsono, S., Takeda, K. (1977). Hidrologi untuk Pengairan. Jakarta : Dainippon Gitakarya Printing

Sri Harto Br. (2009). Hidrologi : Teori, Masalah, Penyelesaian. Yogyakarta : Nafiri

Srivastav, R. K., & Schardong, A. (2014). Equidistance Quantile Matching Method for Updating IDF Curves under Climate Change, 2539–2562.

Subarna, D. (2017). Identifikasi Perubahan Iklim Perkotaan (Studi Kasus Kota Jakarta). *Seminar Nasional Geografi UMS 2017*, 193–206.

Sucahyono, D., & Ribudiyanto, K. (2013). Cuaca Dan Iklim Ekstrim. Jakarta: Pusat Penelitian dan Pengembangan Badan Meteorologi Klimatologi dan Geofisika.

Supari, Sudibyakto, Ettema, J. and Aldrian, E. (2012). "Spatiotemporal Characteristics

Of Extreme Rainfall Events Over Java Island, Indonesia". *The Indonesian journal of geography*. 44. 62-86.

Thaha, Muh. (2013). Analisi Pola Spasial Hujan Ekstrim Metode Rerata Aljabar di Wilayah Lereng Barat dan Selatan Gunung Merapi. *Skripsi*. Universitas Gadjah Mada Yogyakarta

Thanh, N. T., Remo, L. D. A., Syafrina, A. H., Zalina, M. D., Juneng, L., Prodanovic, P., … Khoshhal, J. (2018). Projected changes of precipitation IDF curves for short duration under climate change in central Vietnam. *Hydrology*, *5*(3), 1–16.

Triatmodjo, B. (2008). Hidrologi Terapan. Yogyakarta : UGM Press

Van Vuuren, D. P., Edmonds, J., Kainuma, M., Riahi, K., Thomson, A., Hibbard, K., … Rose, S. K. (2011). The representative concentration pathways: An overview. *Climatic Change*, *109*(1), 5–31.

Wesli. (2008). Drainase Perkotaan. Yogyakarta : Graha Ilmu

Wilby, R. L., Charles, S. P., Zorita, E., Timbal, B., Whetton, P., & Mearns, L. O. (2004). Guidelines for Use of Climate Scenarios Developed from Statistical Downscaling Methods. *Analysis*, *27*(August), 1–27.

Wilby, R. L., Dawson, C. W., & Barrow, E. M. (2002). SDSM - A decision support tool for the assessment of regional climate change impacts. *Environmental Modelling and Software*, *17*(2), 145–157.

Wilby, R. L., & Dawson, C. W. (2007). SDSM 4.2— A decision support tool for th e assessment of regional climate change impacts, User Manual. *Department of Geography, Lancaster University, UK*, (August), 1–94.

World Meteorological Organization. (2009). *Guidelines on Analysis of extremes in a changing climate in support of informed decisions for adaptation*. Geneva: World Meteorological Organization.

http://climate-scenarios.canada.ca/?page=pred-canesm2 (diakses tanggal 9 Januari 2020)