

## DAFTAR PUSTAKA

- Affandy, Nur, A., & Anwar, N. (2007). *Pemodelan Hujan Debit Menggunakan Model HEC-HMS di DAS Sampean Baru. Thesis*. Surabaya: Jurusan Teknik Sipil ITS.
- Allegretti, M., Bertoldo, s., Prato, A., Lucianaz, C., Rorato, O., Notarpietro, R., & Gabella, M. (2012). X-Band Mini Radar for Observing and Monitoring Rainfall Events. *Atmospheric and Climate Sciences*, 2, 290-297.
- Alpin Consult. (1989). *Yogyakarta water Supply Extension Project, Bedog, and Karanggayam Wellfields Hydrogeology and Well Drilling*. Directorate of Human Settlements. Ministry of Public Works: Government of The Republic Indonesia.
- Ariwibowo, M. L. (2002). *Aplikasi Model Gama I Untuk Estimasi Debit Puncak Banjir pada DAS Serang, Progo, dan O`yo. Skripsi*. Yogyakarta: Fakultas Geografi UGM.
- Arsyad, S. (2010). *Konservasi Tanah dan Air*. Edisi kedua. Bogor: Institut Pertanian Bogor Press.
- Asdak, C. (2014). *Hidrologi dan Pengelolaan Daerah Aliran Aliran Sungai*. Yogyakarta: Gadjah Mada University Press.
- Ashley, W.S., Bentley, M.L., & Stallins, J.A. (2012). Urban induced thunderstorm modification in the Southeast United States. *Climatic Change*, 113, 481–498.
- Bappeda Kabupaten Sleman. (2011). *Rencana Tata Ruang Wilayah Kabupaten Sleman Tahun 2011-2031*. Pemerintah Kab. Sleman, D.I.Y.
- BPS Kabupaten Sleman, 2019. *Kecamatan Depok Dalam Angka Tahun 2019*. Sleman: BPS.
- Budiawan, S.S. (2012). *Pendugaan Debit Puncak Menggunakan Model Rasional dan SCS-CN (Studi Kasus di Sub-DAS Keyang, Slahung, dan Tempuran; Sub-DAS Kali Madiun, DAS Solo)*. *Skripsi*. Bogor: Fakultas Kehutanan IPB.
- Burcea, S., Cheval, S., Dumitrescu, A., Antonescu, B. A., Bell, A., & Breza, T. (2012). Comparison Between Radar Estimated and Rain Gauge Measure Precipitation in the Moldovian Plateau. *Environmental engineering and management journal* 11(4):723-731.
- Chow, V.T., David, R.M., & Larry, W.M. (1988). *Handbook of Applied Hidrology*. New York: Mc-Graw Hill.
- Chow, V. T., David, R. M., & Larry, W. M. (1998). *Applied Hydrology*. New York: McGraw-Hill Inc.
- Dariane, A. B., Javadianzadeh, M. M., & James, L. D. (2016). Developing an Efficient Auto-Calibration Algorithm for HEC-HMS Program. *Water Resource Manage*, 30: 1923–1937.
- Davie. (2002). *Fundamentals of Hydrology*. Oxon: Routledge.
- Hadi, M. P. (2006). *Pemahaman Karakteristik Hujan Sebagai Dasar Pemilihan Model Hidrologi (Studi Kasus di DAS Bengawan Solo Hulu)*. *Forum Geografi*, 20(1), 13-26.

- Hadisusanto, N. (2010). *Aplikasi Hidrologi*. Yogyakarta: Jogja Mediautama.
- Hambali, R., Mawanda, H. G., Jayadi, R., & Legono, D. (2016). Teknik Evaluasi Perkiraan Hujan Radar Terhadap Pengukuran Hujan Permukaan (Ground Rainfall). *Pertemuan Ilmiah Tahunan XXXIII HATHI, Semarang*, November 2016, pp. 1-8.
- Haubner, S., Andy R., Ted B., dan Tom D. (2001). *Georgia Stormwater Management Manual Volume 2: Technical Handbook (Cetakan Pertama)*. Georgia: AMEC Earth and Environmental Center for Watershed Protection.
- Herujono. (2000). *Modul Pendahuluan Radar Cuaca*. Jakarta: BPLP-AMG.
- Hendrayana, H. (1993). *Hydrogeologie und Grundwassergewinnung Im Yogyakarta Becken-Indonesien*, DoctorArbeit der RWTH, Aachen, Germany.
- Hendrayana, H. (2011). *Peta Cekungan Air tanah Yogyakarta-Sleman*. Universitas Gadjah Mada, Fakultas Teknik, Jurusan Teknik Geologi, Yogyakarta.
- Hirano, Kohin, Maki, M., Maesaka, T., Misumi, R., & Iwanami, K. (2014). *Composite Rainfall Map from C-Band Conventioal and XBand Dual-Polarimetric Radars for the Whole of Japan*. Germany: Garmisch-Partenkirchen.
- Hong, Y. dan Gourley, J.J. (2015). *Radar Hydrology: Principles, Models, And Applications*. Book. Boca Raton: CRC Press.
- Houze, R. A. Jr. (1993). *Cloud Dynamics*. California: Academic Press Inc.
- Huaxing, B., Liu, B., Wu, J., Yun, L., Chen, Z., & Cui, Z. (2009). Effect of Precipitation and Landuse on Runoff During the Past 50 years in a Typical Watershed in Loess Plateau, China. *International Journal of Sedimen Research*, 24(3), 352-364.
- Indarto. (2010). *Hidrologi Dasar Teori dan Contoh Aplikasi Model Hidrologi*. Jakarta: PT Bumi Aksara.
- ISO 1070, 1992, Slope–Area Method. International Organization for Standardization, Geneva, Switzerland.
- Jafarzadeh, M. S., Askari, K. O. A., Eslamianm S., Singh, V. P., Dalezios, N. R., dan Etebarian, M. R. (2018). Water Management in Urban Watersheds. *International Journal of Emerging Engineering Research and Technology*, Volume 6, Issue 2, 2018, PP 23-36.
- Jayadi, R., Legono, D., Sujono, J., Hambali, R., & Fajriani, Q. R. (2018). Kajian Hujan Radar dan Hujan Permukaan di Wilayah Lereng Gunung Merapi. *Prosiding Seminar Nasional Pendidikan & Pengabdian pada Masyarakat*, ISBN: 978-602-61545-0-7.
- Kabiri, R., Bai, V. R., dan Chan, A. (2015). Assessment of hydrologic impacts of climate change on the runoff trend in Klang Watershed, Malaysia. *Environ Earth Sci* 73:27-37.
- ONSET. (2014). *Hobo Water Level (13 ft) Product Review*. <https://www.onsetcomp.com/products/data-loggers/u201-04> Diakses Pada 1 Januari 2019.

- Laouacheria, F. dan Mansouri, R. (2015). Comparison of WBNM and HEC-HMS for Runoff-Hydrograph Prediction in a Small Urban Catchment. *Water Resour Manage* (2015) 29:2485-2501.
- Lee, J.M. (1992). *Biochemical Engineering*. New Jersey: Prentice Hall.
- Maki, M. *et al.* (2012). Quantitative volcanic ash estimation by operational polarimetric weather radar. *Proc. 9<sup>th</sup> Int. Symp. Tropospheric Profiling*, L'Aquila, Italy, 2012, p.5.
- Marfai, M.A. (2003). GIS Modelling of River and Tidal Hazards in a Waterfront City Case Study: Semarang. *Thesis*. Enschede: International Institute for Geo-Information Science and Earth Observation, The Netherlands.
- Maryland BMP. 2009. *Maryland's Urban Storm Water Best Management Practices by Era Proposal*. Draft Oktober 2009, 136.
- Mc Donald and Partners. (1984). Greater Yogyakarta Groundwater Resource Study. *Vol 3. Directorate General of Water Resources Groundwater Development Project (P2AT)*: Ministry of Public Works Government of The Republic of Indonesia.
- Moraes, T. C. D. *et al.* (2018). Effects on runoff caused by changes in land cover in a Brazilian southeast basin: evaluation by HEC-HMS and HEC-GEOHMS. *Environmental Earth Sciences* (2018) 77: 250.
- Mubarok, L. R. (2018). Kajian Karakteristik Pencemar Bagian Hulu Sungai Belik, Daerah Istimewa Yogyakarta. *Skripsi*. Yogyakarta: Fakultas Geografi UGM.
- Munajad, R. (2015). Kajian Hujan-Aliran Menggunakan Model HEC-HMS di Sub Daerah Aliran Sungai Wuryantoro Wonogiri, Jawa Tengah. *Skripsi*. Yogyakarta: Universitas Gadjah Mada.
- Murtiono, U.H. (2008). Kajian Model Estimasi Volume Limpasan Permukaan, Debit Puncak Aliran, dan Erosi Tanah dengan Model *Soil Conservation Service* (SCS), Rasional dan *Modified Universal Soil Loss Equation* (MUSLE). *Forum Geografi*, 22 (2): 169-185.
- Natural Resources Conservation Service Conservation Engineering Division. (1986). *Urban Hydrology for Small Watersheds, Technical Release 55*. United States Department of Agriculture.
- Niemczynowics, J. (1999). Urban Hydrology and Water Management – Present and Future Challenges. *Urban Water* 1(1):1-14.
- Nilda, Adnyana, I W. S., dan Merit, I N. (2015). Analisis Perubahan Penggunaan Lahan dan Dampaknya Terhadap Hasil Air Di DAS Cisadane Hulu. *Ecotrophic* 9 (1): 35-45.
- Ponce, V.M. (1989). *Engineering Hydrology: Principles and Practices*. New Jersey: Prentice Hall Englewood Cliffs.
- Putra, D. P. E. (2003). *Integrated Water Resources Management in Merapi Yogyakarta Basin*. Yogyakarta: UGM. Tidak Dipublikasikan.

- Putra, Doni, P. E. dan I Gede Budi Indrawan. (2014). Assesment of Aquifer Susceptibility due to Excuse Groundwater Abstraction; A Case Study of Yogyakarta-Sleman Groundwater Basin. *ASEAN Engineering Journal Part C Vol 3 Number 2 2014*.
- Putra, S.S., *et al.* (2019). Point-Based Rainfall Intensity Information System in Mt. Merapi Area by X-band Radar. *Journal of Disaster Research*, 14(1), pp. 80-89.
- Rahardjo, W., Sukandarrumidi dan Rosid, H.M.D. (1995). *Peta Geologi Lembar Yogyakarta, Jawa (Yogyakarta Quadrangle Geological Map)*. Bandung: Pusat Pengembangan dan Pengembangan Geologi.
- Rante, N. R., Sumarauw, J. S., & Wuisan, E. M. (2016). Analisis Debit Banjir Anak Sungai Tikala pada Titik Kelurahan Banjer Link. V Kecamatan Tikala dengan Menggunakan HEC-HMS dan HEC-RAS. *Tekno*, 14(65), 19-28.
- Saifurridzal, Jayadi, R., & Sujono, J. (2017). Model Hujan-Aliran Terdistribusi Berbasis Analisis dan Interpretasi Parameter Fisik DAS (Studi Kasus DAS Belik Hulu, DIY). *Thesis*. Yogyakarta: Program Pascasarjana, Departemen Teknik Sipil dan Lingkungan UGM.
- Saragih, M. P. (2019). Kajian Respon Hidrologi Sungai Boyong Di Atas Bendung Lemponsari Menggunakan Model HEC-HMS. *Skripsi*, Yogyakarta: Fakultas Geografi UGM.
- Scharffenberg, W.A. (2013). *Hydrologic Modelling System HEC-HMS User's Manual*. Washington: Hydrologic Engineering Center.
- Schulz, E.F. (1976). *Problemns in Applied Hydrology*. Colorado: Water Resources Publication.
- Sebastianelli, S., Russo, F., Napolitano, F., dan Baldini, L. (2013). On Precipitation Measurements Collected by a Weather Radar and a Rain Gauge Network. *Natural hazards and earth system sciences* 13(3):605-623.
- Sene, K. (2008). *Flood Warning, Forcasting and Emergency Responce*. United Kingdom: Springer Science.
- Setiawan, A. (2015). Kajian Hubungan Hujan dan Limpasan Pada DAS Urban (Studi Kasus Sebagian DAS Belik Hulu, DIY). *Skripsi*. Yogyakarta: Fakultas Geografi UGM.
- Seyhan, E. (1990). *Dasar-Dasar Hidrologi*. Yogyakarta: Gadjah Mada University Press.
- Soemarto, C.D. (1999). *Hidrologi Teknik*. Jakarta: Erlangga
- Soetardjo. (1979). *Weather Radar*. BMG: Jakarta.
- Soewarno. (1991). *Hidrologi Pengukuran dan Pengolahan Data Aliran Sungai (Hidrometri)*. Bandung: Penerbit "Nova".
- Suripin. (2004). *Pelestarian Sumberdaya Tanah dan Air*. Yogyakarta: Penerbit Andi.
- Tikno, S., Teguh, H., Nadjadji, A., Asep, K. dan Edwin, A. (2012). Aplikasi Metode Curve Number untuk Mempresentasikan Hubungan Curah Hujan dan Aliran Permukaan di DAS Ciliwung Hulu, Jawa Barat. *Jurnal Teknik Lingkungan*, 13 (1): 25-36.
- Tjasyono, B. (2004). *Klimatologi*. Bandung: ITB.

- Triatmodjo, B. (2008). *Hidrologi Terapan (Cetakan Pertama)*. Yogyakarta: Beta Offset.
- Trinugroho, M. W. (2018). Evaluasi Pengaruh Jumlah dan Posisi Stasiun Curah Hujan pada Simulasi Aliran Limpasan di Sungai Ping, Thailand. *Jurnal Sumber Daya Air* Vol. 14 No. 1 Hal: 31-46.
- USACE. (2000). *Hydrologic Modeling System HEC-HMS Technical Reference Manual*. Davis, CA: Institute for Water Resources Hydrologic Engineering Center.
- USACE. (2013). *HEC-GeoHMS Geospatial Hydrologic Modelling Extension: User's Manual*. California: USACE, Hydrologic Engineering Center.
- Vink, A.P.A. (1975). *Land Use in Advancing Agriculture*. New York: Springer Verlag.
- Wasty, E. I. (2014). Kajian Kinerja Model HEC-HMS Untuk Simulasi Aliran Harian Studi Kasus Kali Bedog, Yogyakarta. *Skripsi*. Yogyakarta: Program Studi Teknik Sipil UGM.
- Watson, I. dan Burnett, A. (1995). *Environmental Hydrology*. Boca Raton: Lewis (CRS Press).
- Wismoro, A. (2013). Model Pemetaan Resiko Banjir Kota Yogyakarta dalam manajemen Mitigasi Resiko Bencana Banjir. *Prosiding Seminar Nasional ke 9 Tahun 2013: Rekayasa Teknologi Industri dan Informasi*. STTNAS. Hal 51-55.
- Yeh, H. C., Chen, Y. C., Chang, C. H., Ho, C. H., & Wei, C. (2017). Rainfall Network Optimization Using Radar and Entropy. *Entropy*, 19(10), 553-566.
- Zhu, D., Peng, S. Z., & Cluckie, I. D. (2013). Statistical Analysis of Error Propagation from Radar Rainfall to Hydrological Models. *Hydrology and Earth System Sciences*, 17, 1445-1453.