

DAFTAR PUSTAKA

- Ahmad, I., Khan, D. A., Almanjahie, I. M., Chikr-Elmezouar, Z., & Laksaci, A., 2019, “At-site rainfall frequency analysis using partial duration series and annual maximum series: A case study”, *Applied Ecology and Environmental Research*, 17(4), 8351–8367. https://doi.org/10.15666/aeer/1704_83518367.
- Alataway, A., 2023, “SCS-CN and GIS-Based Approach for Estimating Runoff in Western Region of Saudi Arabia”, *Journal of Geoscience and Environment Protection*, 11(03), 30–43. <https://doi.org/10.4236/gep.2023.113003>.
- Arif, M.I., Legono. D., Luknanto. D., 2021, “Study on the Performance of the Hydraulics System Planning of Swampy Irrigation Area of Dadahup, Kapuas District, Central Kalimantan Province”, *IOP Conference Series: Earth and Environmental Science*, 930(1), 012049. <https://doi.org/10.1088/1755-1315/930/1/012049>.
- Arif, M. I., Legono, D., Luknanto, D., Wignyosukarto, B., dan Marpaung, M. F., 2022, “Behavior of Flow of Channel Network of Dadahup Swampy Irrigation Area”, *IOP Conference Series: Earth and Environmental Science*, 1091(1). <https://doi.org/10.1088/1755-1315/1091/1/012035>.
- Balai Wilayah Sungai Sumatera III Kementerian PUPR, 2018, *Laporan Detail Desain Daerah Irigasi Rawa Siak Kiri Kecamatan Bunga Raya Kabupaten Siak*.
- Balai Wilayah Sungai Sumatera III Kementerian PUPR, 2023, *Laporan Kegiatan Updating Penyusunan PAI, IKSI (ePAKSI) dan Penyusunan AKNOP DIR Siak Kiri Paket B, C, D Kabupaten Siak*.
- Balai Wilayah Sungai Sumatera III Kementerian PUPR, 2022, *Laporan Kegiatan Updating Penyusunan Penilaian Kinerja dan Penyusunan AKNOP Sarana/Prasarana Sungai Ws Siak Provinsi Riau (Kota Pekanbaru dan Kabupaten Siak)*.
- Balai Wilayah Sungai Sumatera III, Kementerian PUPR, 2024, *Laporan Kegiatan Updating Penyusunan PAI, IKSI (ePAKSI) dan Penyusunan AKNOP DIR Siak Kiri Paket B, C, D Kabupaten Siak*.
- Beguería, S., 2005, “Uncertainties in partial duration series modelling of extremes related to the choice of the threshold value”, *Journal of Hydrology*, 303(1), 215–230. <https://doi.org/https://doi.org/10.1016/j.jhydrol.2004.07.015>.
- Bothma, C. B., van Rensburg, L. D., dan le Roux, P. A. L., 2012, “Rainfall Intensity and Soil Physical Properties Influence on Infiltration and Runoff Under In-Field Rainwater Harvesting Conditions”, *Irrigation and Drainage*, 61(S2), 41–49. <https://doi.org/https://doi.org/10.1002/ird.1680>.
- Bracken, L. J., Cox, N. J., dan Shannon, J., 2008, “The Relationship Between Rainfall Inputs and Flood Generation In South–East Spain”, *Hydrological Processes*, 22(5), 599–608. <https://doi.org/10.1002/HYP.664>.
- Chow, V. T., 1959 *Open-Channel Hydraulics*, New York: McGraw-Hill Book Co.
- Chow, V.T., Maidment. D.R., dan Mays. L.W., 1988, *Applied Hydrology*. Singapura: Mc.Graw-Hill Book Company.



Cunnane, C., 1979, "A note on the Poisson assumption in partial duration series models", *Water Resources Research*, 15(2), 489–494. <https://doi.org/https://doi.org/10.1029/WR015i002p00489>.

Direktorat Operasi dan Pemeliharaan Ditjen SDA Kementerian PUPR, 2019, *Modul Operasi Jaringan Irigasi Rawa*.

Gebresellassie Zelelew, D., 2017, "Spatial Mapping and Testing The Applicability of The Curve Number Method for Ungauged Catchments in Northern Ethiopia", *International Soil and Water Conservation Research*, 5(4), 293–301. <https://doi.org/10.1016/j.iswcr.2017.06.003>.

Georganta, C., Feloni, E, Nastos, P., dan Baltas, E., 2022, "Critical Rainfall Thresholds as a Tool for Urban Flood Identification in Attica Region, Greece", *Atmosphere*, 13, 698. <https://doi.org/10.3390/atmos13050698>.

Hawkins, R. H., Hjelmfelt Jr., A. T., dan Zevenbergen, A. W., 1985, "Runoff Probability, Storm Depth, and Curve Numbers", *Journal of Irrigation and Drainage Engineering*, 111, 330–340. [https://doi.org/10.1061/\(ASCE\)0733-9437\(1985\)111:4\(330\)](https://doi.org/10.1061/(ASCE)0733-9437(1985)111:4(330)).

Hicks, F. E., dan Peacock, T., 2005, "Suitability of HEC-RAS for Flood Forecasting", *Canadian Water Resources Journal / Revue Canadienne Des Ressources Hydriques*, 30(2), 159–174. <https://doi.org/10.4296/cwrj3002159>.

Hidayat, Y., 2022, "Menakar Solusi Kebijakan Pengendalian Banjir di Indonesia. Policy Brief Pertanian", *Kelautan Dan Biosains Tropika*, 4. <https://doi.org/10.29244/Agro-Maritim.v4.i4.11>.

Hidayati, N., Soeryamassoeka, S. B., dan Herawati, H., 2023, "Rainfall Analysis for Creating Intensity-Duration-Frequency (IDF) Curve of Pontianak City", *Jurnal Teknik Sipil*, 23(4). <https://doi.org/10.26418/jts.v23i4.66810>.

Irawan, P., Setiawan, J., Hendra, H., Sari, N. K., dan Awaliyah, S., 2024, "Analisis Pola Distribusi Curah Hujan Lebat Dominan di Daerah Aliran Sungai (DAS) Citanduy Hulu", *Jurnal Sumber Daya Air*, 20(2), 75–86. <https://doi.org/10.32679/jsda.v20i2.894>.

Istianto, 2019, *Modul Pelatihan Simulasi Aliran 1-Dimensi Dengan Bantuan Paket Program Hidrodinamika Hec-Ras Jenjang Dasar: Simple Geometry River (Issue 1)*, Departemen Teknik Sipil dan Lingkungan FT UGM.

Jaafar, H. H., Ahmad, F. A., dan el Beyrouthy, N., 2019, "GCN250, New Global Gridded Curve Numbers for Hydrologic Modeling and Design", *Scientific Data*, 6(1). <https://doi.org/10.1038/s41597-019-0155-x>.

Jayantari, M. W., Yesaya, A., Pawana P, I. G. N. A., dan Eryani, G. A. P., 2024, "Flood Hazzard Assessmentand Mapping in Yeh Ho Watershed Using Geographic Information System (GIS)", *The International Journal of Engineering & Science*, 13(11), 75–83. <https://doi.org/10.9790/1813-13117583>.

Kellerhals, R., Engineering., A. C. R. P. in H. and R., Neill, C. R., dan Bray, D. I., 1972, *Hydraulic and geomorphic characteristics of rivers in Alberta*, Alberta Cooperative Research Program in Highway and River Engineering.

Kementerian PPN/Bappenas, 2020, *Pengembangan dan Pengelolaan Lahan Rawa Berkelanjutan*.



Kementerian PUPR, 1998, *Integrated Swamp Development Project (ISDP) - Pedoman O&P Buku III Siak Kiri A/B/C/D*

Kementerian PUPR, 2015, *Peraturan Menteri PUPR No 11/PRT/2015 tentang Eksploitasi dan Pemeliharaan Jaringan Reklamasi Rawa Pasang Surut.*

Kementerian PUPR, 2015, *Peraturan Menteri PUPR No 16/PRT/2015 tentang Eksploitasi dan Pemeliharaan Jaringan Irigasi Rawa Lebak.*

Kementerian PUPR, 2016, *Peraturan Menteri PUPR No 33/PRT/2016 tentang Penyelenggaraan Dana Alokasi Khusus Bidang Infrastruktur.*

Kementerian PUPR, 2018, *Laporan Detail Desain Daerah Irigasi Rawa Siak Kiri Kecamatan Bunga Raya Kabupaten Siak.*

Kementerian PUPR, 2023, *Laporan Kegiatan Updating Penyusunan PAI, IKSI (ePAKSI) dan Penyusunan AKNOP DIR Siak Kiri Paket B, C, D Kabupaten Siak.*

Kementerian PUPR, 2022, *Laporan Kegiatan Updating Penyusunan Penilaian Kinerja dan Penyusunan AKNOP Sarana/Prasarana Sungai Ws Siak Provinsi Riau (Kota Pekanbaru dan Kabupaten Siak).*

Kementerian PUPR, 2024, *Laporan Kegiatan Updating Penyusunan PAI, IKSI (ePAKSI) dan Penyusunan AKNOP DIR Siak Kiri Paket B, C, D Kabupaten Siak.*

Kim, W., Iizumi, T., Hosokawa, N., Tanoue, M., dan Hirabayashi, Y., 2023, "Flood impacts on global crop production: advances and limitations", *Environmental Research Letters*, 18(5), 054007. <https://doi.org/10.1088/1748-9326/accd85>.

Kumar, S., Thakural, L. N., Patra, J. P., dan Gurrupu, S, 2022, "Extreme Rainfall Analysis Using Extreme Value (EV-I) Distribution Based on L-Moment Approach", *Smart Technologies for Energy, Environment and Sustainable Development*, 1, 107–116.

Langbein W. B., 1949, "Annual floods and the partial-duration flood series", *Eos, Transactions American Geophysical Union*, 30(6), 879–881. <https://doi.org/https://doi.org/10.1029/TR030i006p00879>.

Lufi, S., Ery, S., dan Rispiningtati, R., 2020, "Hydrological Analysis of TRMM (Tropical Rainfall Measuring Mission) Data in Lesti Sub Watershed", *Civil and Environmental Science*, 003(01), 018–030. <https://doi.org/10.21776/ub.civense.2020.00301.3>.

Mohanty, M. P., Sherly, M. A., Karmakar, S., dan Ghosh, S., 2018, "Regionalized Design Rainfall Estimation: An Appraisal of Inundation Mapping for Flood Management Under Data-Scarce Situations", *Water Resources Management*, 32(14), 4811-4833. <https://doi.org/10.1007/s11269-018-2080-8>.

Pronk, M., Hooijer, A., Eilander, D., Haag, A., de Jong, T., Vousdoukas, M., Vernimmen, R., Ledoux, H., dan Eleveld, M., 2024., "DeltaDTM: A global coastal digital terrain model", *Scientific Data*, 11. <https://doi.org/10.1038/s41597-024-03091-9>.

Rahardjo, A. P., dan Sujono, J., 2003, "Flood monitoring and community based flash flood warning system for Nasiri River, West Seram, Maluku", *Australian Journal of Water Resources*, 27. <https://doi.org/10.1080/13241583.2022.2083050>.

Rakhmawati, R., 2022, "Repelita: Sejarah Pembangunan Nasional di Era Orde Baru", *Ethnohistori: Jurnal Ilmiah Kebudayaan dan Kesenjaraan*, 9(2).



- Rau, M., 2021, "Flood Inundation Modelling on Agricultural Land in Legonkulon Sub-District, Subang Regency, Indonesia", *IOP Conference Series: Earth and Environmental Science*, 871(1), 012050. <https://doi.org/10.1088/1755-1315/871/1/012050>.
- Rosbjerg, D., Madsen, H., dan Rasmussen, P. F., 1992, "Prediction in partial duration series with generalized pareto-distributed exceedances", *Water Resources Research*, 28(11), 3001–3010. <https://doi.org/https://doi.org/10.1029/92WR01750>.
- Schubert, J. E., Monsen, W. W., dan Sanders, B. F., 2015, "Metric-resolution 2D River Modeling at the Macroscale: Computational methods and applications in a Braided River", *Frontiers in Earth Sciences*, 1–22. <https://doi.org/10.3389/feart.2015.00074>.
- Shahverdi, K., Noorali, A., Ghodousi, H., dan Berndtsson, R., 2024, "Developing Internal and External Proportional Integral Derivative Water Surface Controller in HEC-RAS", *Water (Switzerland)*, 16(12). <https://doi.org/10.3390/w16121699>.
- Sosrodarsono S., dan Tekeda K., 1985., *Hidrologi untuk Pengairan*. PT. Pradnya Paramita Jakarta
- Sri Harto Br., 1993, *Analisis Hidrologi*. Gramedia Pustaka Utama. Jakarta
- Sujono, J., Jayadi. R., dan Nurrochmad, F., 2018, "Heavy Rainfall Characteristics at South-West of Mt. Merapi-Yogyakarta and Central Java Province, Indonesia", *International Journal of GEOMATE*, 14, 184-191. <https://doi.org/10.21660/2018.45.27559>.
- Takeuchi, K., 1984, "Annual maximum series and partial-duration series - Evaluation of Langbein's formula and Chow's discussion", *Journal of Hydrology*, 68(1), 275–284. [https://doi.org/https://doi.org/10.1016/0022-1694\(84\)90215-4](https://doi.org/https://doi.org/10.1016/0022-1694(84)90215-4).
- Titin Suciana, A., Suhartanto, E., dan Wahyuni, S., 2024, "Analysis of Flood Risk Areas by Weighting the Analytic Network Process (ANP) Method", *Jurnal Teknik Pengairan*, 15(2), 112–123. <https://doi.org/10.21776/ub.pengairan.2024.015.02.2>.
- Triatmodjo, B., 2008, *Hidrologi Terapan*, Percetakan Beta Offset, Yogyakarta.
- Wehmeyer, L., Weirich, F., dan Cuffney, T., 2011, "Effect of land cover change on runoff curve number estimation in Iowa", *Ecohydrology*, 4(2), 315–321. <https://doi.org/10.1002/eco.162>.
- Wibowo, H., Suripin, Kodoatie, R., dan Isdiyana, 2015, "Comparing the Calculation Method of the Manning Roughness Coefficient in Open Channels" *International Journal of Engineering Research and Technology*, 4, 1278–1285. <https://doi.org/10.17577/IJERTV4IS060194>.
- Zelvi, Z., Istiarto, dan Waluyati, L. R., 2023, "The modification of channel system in Tahai lowland irrigation area to improve drainability", *IOP Conference Series: Earth and Environmental Science*, 1168(1). <https://doi.org/10.1088/1755-1315/1168/1/012005>.