

DAFTAR PUSTAKA

- Abbas, S.A., Al-Aboodi, A.H. and Ibrahim, H.T., 2020. Identification of Manning's Coefficient Using HEC-RAS Model: Upstream Al-Amarah Barrage. *Journal of Engineering*, 2020(1), p.6450825.
- Abdulhalim, D.F., Tanudjaja, L. and Sumarauw, J.S., 2018. Analisis Debit Banjir Dan Tinggi Muka Air Sungai Talawaan Di Titik 250 M Sebelah Hulu Bendung Talawaan. *Jurnal Sipil Statik*, 6(5).
- Ajr E. Q., Dwirani, F., 2019. Menentukan stasiun hujan dan curah hujan dengan metode polygon thiessen daerah kabupaten lebak. *Jurnal Lingkungan Dan Sumberdaya Alam (JURNALIS)*, 2(2), pp.139-146.
- Anggraheni, D. and Gustoro, D., 2019. Rainfall distribution pattern of Progo Watershed in observational and empirical method. In *MATEC Web of Conferences* (Vol. 280, p. 05005). EDP Sciences.
- Ansori, M.B., Lasminto, U. and Kartika, A.A.G., 2023. Flood Hydrograph Analysis Using Synthetic Unit Hydrograph, Hec-Hms, and Hec-Ras 2D Unsteady Flow Precipitation on-Grid Model for Disaster Risk Mitigation. *Geomate Journal*, 25(107), pp.50-58.
- Bai, P., Chen, G., Wang, Y., Li, B., Ruan, Z., & Gao, Y., 2025. Effect of wave-current interaction on the hydrological environment in a shallow river estuary. *Frontiers in Marine Science*, 12, 1585330.
- Briantara, T. O., Baharuddin, B., & Dewi, I. P., 2021. Pemodelan Banjir Rob dan Sungai Menggunakan HECRAS dan Citra Sentinel-1 di Wilayah Pelaihari-Takisung Kabupaten Tanah Laut. *Marine Coastal and Small Islands Journal- Jurnal ilmiah Ilmu Kelautan*, 5(2), 1-10.
- Brunner, 2016. *Hydraulic User Manual 5.0.0*. Institute for Water Resources : Hydrologic Engineering Center. Davis, California.
- BIG., 2023. *Model Pasang Surut*. Sistem referensi geospasial Indonesia. <https://srgi.big.go.id/page/model-pasut>

- Caldera, H. P. G. M., Piyathisse, V. R. P. C., & Nandalal, K. D. W. 2016. A comparison of methods of estimating missing daily rainfall data. *Engineer: Journal of the Institution of Engineers, Sri Lanka*, 49(4).
- Cahyono, C., & Rusli, L., 2024. Flood Mapping Potential Areas Using HEC-RAS Software (Case Study: Kota Lama of Semarang). In *IOP Conference Series: Earth and Environmental Science* (Vol. 1324, No. 1, p. 012100). IOP Publishing.
- De Silva, R. P., Dayawansa, N. D. K., & Ratnasiri, M. D. 2007. A comparison of methods used in estimating missing rainfall data. *Journal of Agricultural Sciences–Sri Lanka*, 3(2).
- Elmoaty, M. and TA, E.S., 2020. Manning roughness coefficient in vegetated open channels. *Water Science*, 34(1), pp.124-131.
- Ekawati, R. 2017. Evaluasi Pengendalian Banjir Sungai Jragung Kabupaten Demak. In *Prosiding Seminar Nasional Inovasi Dalam Pengembangan SmartCity* (Vol. 1, No. 1).
- Golshan, M., Jahanshahi, A. and Afzali, A., 2016. Flood hazard zoning using HEC-RAS in GIS environment and impact of manning roughness coefficient changes on flood zones in Semi-arid climate. *Desert*, 21(1), pp.24-34.
- Gonçalves, P., Marafuz, I. and Gomes, A., 2015. Flood hazard, Santa Cruz do Bispo Sector, Leça River, Portugal: a methodological contribution to improve land use planning. *Journal of Maps*, 11(5), pp.760-771.
- Hameed, L.K. and Ali, S.T., 2013. Estimating of Manning's roughness coefficient for Hilla River through calibration using HEC-RAS model. *Jordan Journal of Civil Engineering*, 7(1), pp.44-53.
- Harlow, J., & Hagedorn, B., 2019. SWB Modeling of Groundwater Recharge on Catalina Island, California, during a Period of Severe Drought. *Water*, 11(1), 58. <https://doi.org/10.3390/w11010058>
- Herbanu, P.S., Nurmaya, A., Nisaa, R.M. and Wardana, R.A., 2024, March. The zoning of flood disasters by combining tidal flood and urban flood in Semarang City, Indonesia. In *IOP Conference Series: Earth and Environmental Science* (Vol. 1314, No. 1, p. 012028). IOP Publishing.

- Hino, M., Belanger, S.T., Field, C.B., Davies, A.R. and Mach, K.J., 2019. High-tide flooding disrupts local economic activity. *Science advances*, 5(2), p.eaau2736.
- Husain, A., 2017. Flood Modelling by using HEC-RAS. *International Journal of Engineering Trends and Technology*, 50(1), pp.1–7. doi:<https://doi.org/10.14445/22315381/ijett-v50p201>.
- Indriatmoko, R. H., & Wibowo, V. E. 2007., Aplikasi sistem informasi geografi untuk penghitungan koefisien aliran Daerah Aliran Sungai (DAS) Ciliwung. *Jurnal Air Indonesia*, 3(2).
- Kabiri, R. , Chan, A. and Bai, R., 2013. Comparison of SCS and Green-Ampt Methods in Surface Runoff-Flooding Simulation for Klang Watershed in Malaysia. *Open Journal of Modern Hydrology*, 3, 102-114
- Krisnayanti, D. S., Bunganaen, W., Frans, J. H., Seran, Y. A., & Legono, D. (2021). Curve number estimation for ungauged watershed in semi-arid region. *Civil Engineering Journal*, 7(6), 1070-1083.
- Kalyanapu, A.J., Burian, S.J. and McPherson, T.N., 2009. Effect of land use-based surface roughness on hydrologic model output. *Journal of Spatial Hydrology*, 9(2).
- Lillesand, T., Kiefer, R.W. and Chipman, J., 2015. *Remote sensing and image interpretation*. John Wiley & Sons.
- MacKinnon, S., Welch, C., Burles, K., Huscroft, C., Hewitt, N., Krezoski, G., Perkins, A. J., Tang, L., Day, T., Nichol, C., Redding, T., Lutz, A., Saunder, I. R., & Scally, F. (2021). *Laboratory manual for introduction to physical geography*. BCcampus.
- Madani, I., Bachri, S. and Aldiansyah, S., 2022. Pemetaan Kerawanan Banjir di Daerah Aliran Sungai (DAS) Bendo Kabupaten Banyuwangi Berbasis Sistem Informasi Geografis. *Jurnal Geosaintek*, 8(2), pp.192-199.
- Mahapatra, A., Mahmood, V., & Venkatesh, K. 2022. Unsteady flow analysis using hydrological and hydraulic models for real-time flood forecasting in the Vamsadhara river basin. *Journal of Hydroinformatics*, 24(6), 1207-1233.

- Marfai, M.A., 2003. GIS Modelling of river and tidal flood hazards in a waterfront city. Case Study: Semarang City, Central Java, Indonesia.
- Marfai, M. A., Pratomoatmojo, N. A., Hidayatullah, T., Nirwansyah, A. W., and Gomaeruzzaman, M., 2011, *Model Kerentanan Wilayah Pesisir Berdasarkan Perubahan Garis Pantai dan Banjir Pasang (Studi Kasus: Wilayah Pesisir Pekalongan)*. RedCarpet Studio. Yogyakarta, 1-69
- McVittie, A., 2019. Flood mapping tutorial. Skywach Space Application.
https://step.esa.int/docs/tutorials/tutorial_sl1floodmapping.pdf
- Muin, S. F., Boer, R., & Suharnoto, Y. 2015. Pemodelan banjir dan analisis kerugian akibat bencana banjir di DAS citarum hulu. *Jurnal Tanah dan Iklim*, 39(2), 75-84.
- Namara, W.G., Damisse, T.A. and Tufa, F.G., 2022. Application of HEC-RAS and HEC-GeoRAS model for flood inundation mapping, the case of Awash bello flood plain, upper Awash River Basin, oromiya regional state, Ethiopia. *Modeling Earth Systems and Environment*, 8(2), pp.1449-1460.
- National Oceanic and Atmospheric Administration, Office for Coastal Management. "Name of Data Set." Coastal Change Analysis Program (C-CAP) Regional Land Cover. Charleston, SC: NOAA Office for Coastal Management. Diakses 30 September 2024 at www.coast.noaa.gov/htdata/raster1/landcover/bulkdownload/30m_lc/.
- Ogras, S. and Onen, F., 2020. Flood Analysis with HEC-RAS: A Case Study of Tigris River. *Advances in Civil Engineering*, 2020(1), p.6131982.
- Olawoyin, R. and Acheampong, P.K., 2017. Objective assessment of the Thiessen polygon method for estimating areal rainfall depths in the River Volta catchment in Ghana. *Ghana Journal of Geography*, 9(2), pp.151-174.
- Pathan, A. K. I., & Agnihotri, P. G. 2020. 2-D unsteady flow modelling and inundation mapping for lower region of Purna basin using HEC-RAS. *Nature Environment and Pollution Technology*, 19(1), 277-285.

- Pathan, A. I., Agnihotri, P. G., Patel, D., & Prieto, C. 2021. Identifying the efficacy of tidal waves on flood assessment study—a case of coastal urban flooding. *Arabian Journal of Geosciences*, 14(20), 2132.
- Paramanandi, A. R. G., Sudaryatno, 2023 Pemanfaatan Data Penginderaan Jauh dan Sistem Informasi Geografis untuk Estimasi Debit Banjir Rancangan di DAS Bogowonto
- Peker, İ.B., Gülbaz, S., Demir, V., Orhan, O. and Beden, N., 2024. Integration of HEC-RAS and HEC-HMS with GIS in flood modeling and flood hazard mapping. *Sustainability*, 16(3), p.1226.
- Polidori, L., & El Hage, M., 2020. Digital elevation model quality assessment methods: A critical review. *Remote sensing*, 12(21), 3522.
- Pribadi, C.B. and Hariyanto, T., 2022. Analysis of Distribution and Impact of Inundation on Land Use in Surabaya City. *International Journal of Geoinformatics*, 18(2), pp.29-35.
- Purbani, D., Salim, H.L., Kusuma, L.P.A.S.C., Tussadiah, A. and Subandriyo, J., 2019. Ancaman Gelombang Ekstrim dan Abrasi pada Penggunaan Lahan di Pesisir Kepulauan Karimunjawa (Studi Kasus: Pulau Kemujan, Pulau Karimunjawa, Pulau Menjangan Besar dan Pulau Menjangan Kecil). *Jurnal Kelautan Nasional*, 14(1), pp.33-45.
- Ramsay, D., 2011. Coastal erosion and inundation due to climate change in the Pacific and East Timor. Synthesis report Prepared for Department of Climate Change and Energi Efficiency, Government of Australia
- Ross, C.W., Prihodko, L., Anchang, J., Kumar, S., Ji, W. and Hanan, N.P., 2018. HYSOGs250m, global gridded hydrologic soil groups for curve-number-based runoff modeling. *Scientific data*, 5(1), pp.1-9.
- Sa'adi, Z., Ismail, A. Z., Yusop, Z., & Mohamad Yusof, Z. 2022. Effect of the tide on flood modeling and mapping in Kota Tinggi, Johor, Malaysia. *Natural Hazards*, 112(3), 2053-2081.
- Shaikh, A. A., Pathan, A. I., Waikhom, S. I., Agnihotri, P. G., Islam, M. N., & Singh, S. K., 2023. Application of latest HEC-RAS version 6 for 2D hydrodynamic

- modeling through GIS framework: a case study from coastal urban floodplain in India. *Modeling Earth Systems and Environment*, 9(1), 1369-1385.
- Sharma, D. K., Chatterjee, M., Kaur, G., & Vavilala, S., 2022. Deep learning applications for disease diagnosis. In Deep learning for medical applications with unique data (pp. 31-51). *Academic Press*.
- Sholikha, D. E. Z., Sutoyo, S., & Rau, M. I., 2022. Pemodelan Sebaran Genangan Banjir Menggunakan HEC-RAS di Sub DAS Cisadane Hilir. *Jurnal Teknik Sipil Dan Lingkungan*, 7(2), 147-160.
- Simatupang, A. U., Murti, S. H., & Purwanto, T. H., 2022. The Capability of Sentinel 1 (Sar) for Flood Mapping: a Case Study in Serang Watershed, Kulonprogo Regency. *Jurnal Geografi*, 14(2), 157.
- Soliman, M., Morsy, M.M. and Radwan, H.G., 2022. Assessment of Implementing Land Use/Land Cover LULC 2020-ESRI Global Maps in 2D Flood Modeling Application. *Water*, 14(23), p.3963.
- Supriyono, S., Pranowo, W. S., Rawi, S., & Herunadi, B. 2015. Analisa dan Perhitungan Prediksi Pasang Surut Menggunakan Metode Admiralty dan Metode Least Square (Studi Kasus Perairan Tarakan dan Balikpapan): Tide Prediction Analysis and Calculation Using Admiralty Method and Least Square Method (Case Study of Tarakan and Balikpapan Waters). *Jurnal Chart Datum*, 1(1), 9-20.
- Sutapa, I. W., 2020. Studi Pengaruh dan Hubungan Variabel Bentuk Das Terhadap Parameter Hidrograf Satuan Sintetik. *Smartek*.
- Tambunan, M. P., 2017. The pattern of spatial flood disaster region in DKI Jakarta. In *IOP Conference Series: Earth and Environmental Science* (Vol. 56, No. 1, p. 012014). IOP Publishing.
- Triana, Y. T. and Hidayah, Z., 2020, Kajian Potensi Daerah Rawan Banjir Rob Dan Adaptasi Masyarakat Di Wilayah Pesisir Utara Surabaya. *Juvenil*, Vol. 1(1), DOI: <https://doi.org-/10.21107/juvenil.v1i1.6961>.

- USDA. "Hydrologic Soil Groups." In *National Engineering Handbook: Part 630 - Hydrology*, 2009. <https://www.nrcs.usda.gov/wps/portal/nrcs/detailfull/national/water/manage/hydrology/?cid=stelprdb1043063>.
- Vashist, K., & Singh, K. K., 2023. HEC-RAS 2D modeling for flood inundation mapping: a case study of the Krishna River Basin. *Water Practice & Technology*, 18(4), 831-844.
- Wakabayashi, H., Hongo, C., Igarashi, T., Asaoka, Y., Tjahjono, B., & Permata, I. R. R., 2021. Flooded rice paddy detection using sentinel-1 and planetscope data: a case study of the 2018 spring flood in West Java, Indonesia. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, 14, 6291-6301.
- Wahyuni, I.T. and Sachro, S.S., Pengaruh Perubahan Tutupan Lahan Terhadap Karakteristik Hidrograf Banjir (Studi Kasus Bendungan Jragung). *Media Komunikasi Teknik Sipil*, 29(2), pp.280-288.
- Wibisono, G.R., Paranindya, A.A., Santosa, B. and Suwarno, D., 2023. Potensi Penurunan Debit Banjir Di Sungai Jragung Akibat Pembangunan Bendungan Jragung. *G-SMART*, 7(1), pp.45-54.
- Zeiger, S. J., & Hubbart, J. A., 2021. Measuring and modeling event-based environmental flows: An assessment of HEC-RAS 2D rain-on-grid simulations. *Journal of Environmental Management*, 285, 112125.
- Zhang, L., Wang, C., Liang, G., Cui, Y., & Zhang, Q. 2020. Influence of land use change on hydrological cycle: application of SWAT to Su-Mi-Huai area in Beijing, China. *Water*, 12(11), 3164.
- Zotou, I., Bellos, V., Gkouma, A., Karathanassi, V., & Tsihrintzis, V. A., 2020. Using Sentinel-1 imagery to assess predictive performance of a hydraulic model. *Water Resources Management*, 34(14), 4415-4430.