

DAFTAR PUSTAKA

- Abdrabo, K. I., Kantoush, S. A., Saber, M., Sumi, T., Habiba, O. M., Elleithy, D., & Elboshy, B. (2020). Integrated Methodology for Urban Flood Risk Mapping at The Microscale in Ungauged Regions: A Case Study of Hurghada, Egypt. *Remote Sensing*, 12(21), 3548. <http://dx.doi.org/10.3390/rs12213548>
- Adnyani, A. W., & Sugiharti, L. (2019). Profil dan Determinan Kerentanan Kemiskinan Rumah Tangga. *Jurnal Ilmu Ekonomi & Sosial*, 10(2), 100-118.
- Al-Zahrani, M., Al-Areeq, A., & Sharif, H. O. (2017). Estimating Urban Flooding Potential Near The Outlet of An Arid Catchment in Saudi Arabia. *Geomatics, Natural Hazards and Risk*, 8(2), 672-688. <https://doi.org/10.1080/19475705.2016.1255668>
- Apel, H. & Aronica, G.T. (2009). Flood Risks Analysis – How Detailed Do We Need To Be? *Nat Hazard* 49(1):79–98 <https://doi.org/10.1007/s11069-008-9277-8>
- Arifasihati, Y. & Kaswanto, R. L. (2016). Analysis of Land Use and Cover Changes in Ciliwung and Cisadane Watershed in Three Decades. *Procedia Environmental Sciences*, 33, 465-469. <https://doi.org/10.1016/j.proenv.2016.03.098>
- Asdak, C. (1996). *Hidrologi dan Pengelolaan Daerah Aliran Sungai*. Yogyakarta: Gadjah Mada University Press
- United Nations. (2002). *Living With Risk. A Global Review Of Disaster Reduction Initiatives. Preliminary Version*. New York: United Nations https://inis.iaea.org/collection/NCLCollectionStore/_Public/33/048/33048155.pdf?r=1
- Badan Nasional Penanggulangan Bencana. (2016). *RBI: Risiko Bencana Indonesia*. Jakarta: Badan Nasional Penanggulangan Bencana
- Badan Nasional Penanggulangan Bencana. (2020). Update Data Penanganan Banjir Jabodetabek dan Lebak 6 Januari 2020. Diakses dari <https://>

*www.bnpb.go.id/update-datapenanganan-banjir-jabodetabeklebak-6-
januari-2020-pukul-0800- wib pada tanggal 25 Oktober 2021*

- Badan Nasional Penanggulangan Bencana. (2019). *Modul Teknis Penyusunan Kajian Risiko Bencana Banjir*. Jakarta: Direktorat Pengurangan Risiko Bencana Badan Nasional Penanggulangan Bencana
- Badan Perencanaan Pembangunan Nasional. (2014). *Materi Teknis Revisi Pedoman Penyusunan Rencana Tata Ruang Berdasarkan Perspektif Pengurangan Risiko Bencana*. Jakarta: Direktorat Tata Ruang dan Pertanahan Kementerian Perencanaan Pembangunan Nasional.
- Badan Perencanaan Pembangunan Nasional. (2015). *Kajian Kelembagaan dan Regulasi Untuk Mendukung Kebijakan Penanggulangan Bencana dalam RPJMN 2015-2019*. Jakarta : Badan Perencanaan Pembangunan Nasional (BAPPENAS)
- Badan Pusat Statistik Kota Jakarta Selatan. (2022). *Kota Administrasi Jakarta Selatan dalam Angka 2022*. Kota Jakarta Selatan: BPS Kota Administrasi Jakarta Selatan.
- Baky, M. A. A., Islam, M., & Paul, S. (2020). Flood Hazard, Vulnerability and Risk Assessment for Different Land Use Classes Using A Flow Model. *Earth Systems and Environment*, 4(1), 225-244. <https://doi.org/10.1007/s41748-019-00141-w>
- Balica, S. F., Douben, N., & Wright, N. G. (2009). Flood Vulnerability Indices at Varying Spatial Scales. *Water Science and Technology*, 60(10), 2571–2580. <https://doi.org/10.2166/wst.2009.183>
- Bentrup, G. (2008). *Conservation Buffers—Design Guidelines for Buffers, Corridors, and Greenways*. Asheville: US Department of Agriculture, Forest Service, Southern Research Station. <https://doi.org/10.2737/SRS-GTR-109>
- Bhuiyan, S.R. (2014). Flood Hazard and Vulnerability Assessment in A Riverine Flood Prone Area: A Case Study. *Thesis Master of Science in Water Resources Development*. Banglades University of Engineering and Technology. <http://lib.buet.ac.bd:8080/xmlui/handle/123456789/651>

- Bigi, V., Comino, E., Fontana, M., Pezzoli, A., & Rosso, M. (2021). Flood Vulnerability Analysis in Urban Context: A Socioeconomic Sub-Indicators Overview. *Climate*, 9(1), 12. <https://doi.org/10.3390/cli9010012>
- Birkmann, J. (2007). Risk and Vulnerability Indicators at Different Scales: Applicability, Usefulness and Policy Implications. *Environmental Hazards*, 7(1), 20-31. <https://doi.org/10.1016/j.envhaz.2007.04.002>
- Boudreau, T. (2009). Solving The Risk Equation: People-Centered Disaster Risk Assessment in Ethiopia. *HPN Network Paper-Humanitarian Practice Network, Overseas Development Institute*, (66). <https://www.files.ethz.ch/isn/103306/networkpaper066.pdf>
- Budiyono, Y., Aerts, J. C., Tollenaar, D., & Ward, P. J. (2016). River Flood Risk in Jakarta Under Scenarios of Future Change. *Natural hazards and earth system sciences*, 16(3), 757-774. <https://doi.org/10.5194/nhess-16-757-2016>
- Bungin, M. B. (2005). *Metode Penelitian Kuantitatif: Komunikasi, Ekonomi, dan Kebijakan Publik serta Ilmu-Ilmu Sosial Lainnya Edisi Kedua*. Jakarta: Kencana
- Cao, C., Xu, P., Wang, Y., Chen, J., Zheng, L., & Niu, C. (2016). Flash Flood Hazard Susceptibility Mapping Using Frequency Ratio and Statistical Index Methods in Coal Mine Subsidence Areas. *Sustainability*. 8(9):948. <https://doi.org/10.3390/su8090948>
- Chang, H.S. & Hsieh, H.Y. (2013). An Exploratory Study in Land Use Planning of Disaster Prevention: A Case Study of Kaohsiung New Town. *Procedia Environmental Sciences* 17, 382 – 391. <http://doi.org/10.1016/j.proenv.2013.02.051>
- Chang, H., Pallathadka, A., Sauer, J., Grimm, N. B., Zimmerman, R., Cheng, C., Iwaniec, D. M., Kim, Y., Llyod, R., McPhearson, T., Rosenzweig, B., Rroxler, T., Welty, C., Brenner, R. Herreros-Cantis, P. (2021). Assessment of Urban Flood Vulnerability Using The Social-Ecological-Technological Systems Framework in Six US Cities. *Sustainable Cities and Society*, 68, 102786. <https://doi.org/10.1016/j.scs.2021.102786>

- Choubin, B., Moradi, E., Golshan, M., Adamowski, J., Sajedi-Hosseini, F., & Mosavi, A. (2019). An Ensemble Prediction of Flood Susceptibility Using Multivariate Discriminant Analysis, Classification and Regression Trees, and Support Vector Machines. *Sci Total Environ.* 651(2):2087–2096. <https://doi.org/10.1016/j.scitotenv.2018.10.064>
- Dandapat, K. & Panda, G. K. (2017). Flood Vulnerability Analysis and Risk Assessment Using Analytical Hierarchy Process. *Model. Earth Syst. Environ.* 3: 1627-1646 <https://doi.org/10.1007/s40808-017-0388-7>
- Coppola, D. P. (2015). Risk and Vulnerability. *Introduction to International Disaster Management*, 150–223. <http://dx.doi.org/10.1016/B978-0-12-801477-6.00003-4>
- Danoedoro, P. (2008). Membangun Sistem Klasifikasi Penggunaan Lahan Multiguna Berbasis Penginderaan Jauh dan Sistem Informasi Geografis untuk Pengelolaan Lingkungan. *Seminar Fora Tematik Sumberdaya Alam Darat (SDAD) yang diselenggarakan oleh Badan Koordinasi Survei dan Pemetaan Nasional, 7 Agustus 2008 di Jakarta*
- Danoedoro, P. (2012). *Pengantar Penginderaan Jauh Digital*. Yogyakarta: CV Andi Offset.
- Danoedoro, P. (2015). Pengaruh Jumlah dan Metode Pengambilan Titik Sampel Penguji Terhadap Tingkat Akurasi Klasifikasi Citra Digital Penginderaan Jauh. *Prosiding Simposium Sains Geoinformasi ke-4*, 27-28.
- Das, S. (2018). Geographic Information System and AHP-Based Flood Hazard Zonation of Vaitarna Basin, Maharashtra, India. *Arabian Journal of Geosciences* 11 (576): 1-13 <https://doi.org/10.1007/s12517-018-3933-4>
- Daulay, A.A. & Suharnoto, Y. (2020). Analisis Daerah Rawan Banjir pada DAS Krukut Berbasis Sistem Informasi Geografis. *Skripsi Departemen Teknik Sipil dan Lingkungan Institut Pertanian Bogor*
- Definati, I. (2020). BPBD DKI: 82 Kelurahan di Jakarta Rawan Banjir, Ini Daftarnya. *Diakses dari* <https://www.liputan6.com/news/read/4428461/bpbd-dki-82-kelurahan-di-jakarta-rawan-banjir-ini-daftarnya> pada 14 November 2021

- Deliana, D. (2016). Tingkat Kepedulian pada Implementasi Sistem Drainase sesuai Prinsip Zero Delta Q dan Faktor Keberhasilannya pada Pengembangan Apartemen di Surabaya. *Tesis Program Magister Bidang Keahlian Manajemen Proyek Konstruksi Jurusan Teknik Sipil Institut Teknologi Sepuluh November*
- Direktorat Pemetaan dan Evaluasi Risiko Bencana. (2021). *Dokumen Risiko Bencana Nasional Provinsi DKI Jakarta 2022-2026*. Jakarta: Badan Nasional Penanggulangan Bencana
- Djalante, R., & Thomalla, F. (2012). Disaster Risk Reduction And Climate Change Adaptation in Indonesia: Institutional Challenges and Opportunities for Integration. *International Journal of Disaster Resilience in the Built Environment*, 3 (2) : 166-180. <https://doi.org/10.1108/17595901211245260>
- Dottori, F., Salamon, P., Kalas, M., Bianchi, A., Thielen, J., & Feyer, L. (2015). A Nearly Real-Time Procedure for Flood Hazard Mapping and Risk Assessment in Europe. *E-proceedings of 36th IAHR World Congress 28 June – 3 July, The Hague, Netherlands*
- Dou, X., Song, J., Wang, L., Tang, B., Xu, S., Kon, F., & Jiang, X. (2018). Flood Risk Assessment and Mapping Based on A Modified Multi-Parameter Flood Hazard Index Model in The Guanzhong Urban Area, China. *Stoch Environ Res Risk Assess* 32: 1131-1146. <https://doi.org/10.1007/s00477-017-1429-5>
- Drestalita, N. C., & Saputra, R. T. (2019). The Jakarta Detailed Spatial Plan Evaluation Based on Sustainable Development Principles. *IOP Conference Series: Earth and Environmental Science*, 340, 012032. <https://doi.org/10.1088/1755-1315/340/1/012032>
- Ekawati, R., Kom, S., Ti, M., Salamah, U. G., & Hapsari, A. A. (2021). *Sistem Informasi Geografis*. Media Sains Indonesia. Diakses dari <https://books.google.com> pada 23 November 2021
- Elkhrachy, I. (2015). Flash Flood Hazard Mapping Using Satellite Images and GIS Tools: A Case Study of Najran City, Kingdom of Saudi Arabia (KSA). *Egypt J Remote Sens Space Sci* 18(2): 261–278. <https://doi.org/10.1016/j.ejrs.2015.06.007>

- Environmental Protection Agency (EPA). (2000). *Environmental Assessment*. Washington, DC: Environmental Protection Agency.
- Estiningtyas, W., Boer, R., & Buono, A. (2009). Analisis Hubungan Curah Hujan dengan Kejadian Banjir dan Kekeringan pada Wilayah dengan Sistem Usahatani berbasis Padi di Propinsi Jawa Barat. *Agromet* 23, 11–19. <https://doi.org/10.29244/j.agromet.23.1.11-1>
- Fleischhauer, M. (2008). The Role of Spatial Planning in Strengthening Urban Resilience. In: *Pasman H.J., Kirillov I.A. (eds) Resilience of Cities to Terrorist and other Threats. NATO Science for Peace and Security Series Series C: Environmental Security*. Springer, Dordrecht. https://doi.org/10.1007/978-1-4020-8489-8_14
- Ginting, A. M. (2020). Dampak Ekonomi dan Kebijakan Mitigasi Risiko Banjir di DKI Jakarta dan Sekitarnya Tahun 2020. *Info Singkat, Vol. XII, 1 (1)*. Diakses dari https://berkas.dpr.go.id/puslit/files/info_singkat/Info%20Singkat-XII-12-I-P3DI-Januari-2020-224 pada 25 Oktober 2021
- Ginting, S. (2014). Sistem Peringatan Dini Banjir Jakarta. *Jurnal Sumber Daya Air*, 10(1), 71-84.
- Ginting, S. (2015). Kajian dan Efektivitas Pengendalian Banjir di DKI Jakarta. *Tesis Magister Pengelolaan Sumber Daya Air Institut Teknologi Bandung*
- Greiving, S., Fleischhauer, M., & Lückenkötter, J. (2006). A Methodology for An Integrated Risk Assessment of Spatially Relevant Hazards. *Journal of environmental planning and management*, 49(1), 1-19. <https://doi.org/10.1080/09640560500372800>
- Haghizadeh, A., Siahkamari, S., Haghiabi, A. H., & Rahmati, O. (2017). Forecasting Flood-Prone Areas Using Shannon's Entropy Model. *Journal of Earth System Science*, 126(3), 1-11. <https://doi.org/10.1007/s12040-017-0819-x>
- Hamdan, H., Sulwan, P., & Adi, S. (2014). Analisa Daerah Rawan Banjir Menggunakan Aplikasi Sistem Informasi Geografis (Studi Kasus Pulau Bangka). *Jurnal Konstruksi*. 12(1): 2302-7312

- Harsoyo, B. (2013). Mengulas Penyebab Banjir di Wilayah DKI Jakarta dari Sudut Pandang Geologi, Geomorfologi dan Morfometri Sungai. *Jurnal Sains & Teknologi Modifikasi Cuaca*, 14(1), 37-43.
- Hizbaron, D. R. (2012). Integration of Vulnerability Assessment Into Seismic Based Spatial Plan in Bantul, Yogyakarta, Indonesia. *Dissertation of Environmental Science The Graduate School Universitas Gadjah Mada*
- Hizbaron, D.R., Baiquni, M., Sartohadi, J., & Rijanta, R. (2012). Urban Vulnerability in Bantul District, Indonesia-Towards Safer and Sustainable Development. *Sustainability*, 4(9), 2022–2037. <https://doi.org/10.3390/su4092022>
- Hong, H., Pradhan, B., Bui, D.T., Xu, C., Youssef, A.M., & Chen, W. (2016). Comparison of Four Kernel Functions Used in Support Vector Machines for Landslide Susceptibility Mapping: A Case Study at Suichuan Area (China). *Nat Hazard Risk: Geomatics*, 1–26. <https://doi.org/10.1080/19475705.2016.1250112>
- Husna, Z.S. (2019). Analisis Daerah Bahaya Banjir Menggunakan Flood Hazard Index (FHI) di Das Cimanuk. *Tesis Institut Pertanian Bogor*. <http://repository.ipb.ac.id/handle/123456789/100471>
- IDX. (2020). Rugi Rp10 Triliun, Dampak Banjir Awal Tahun 2020”, IDX, 3 Januari 2020. Diakses dari <https://www.idxchannel.com/market-news/rugi-rp10-triliundampak-banjir-awal-tahun-2020>, pada tanggal 25 Oktober 2021
- Indratmoko, R. H. (2010). Penerapan Prinsip Kebijakan Zero Delta Q dalam Pembangunan Wilayah. *Jurnal Air Indonesia* 6 (1): 77-83. <https://doi.org/10.29122/jai.v6i1.2457>
- Indramoko, S. (2019). Kerawanan dan Risiko Banjir untuk Identifikasi Kesesuaian Terhadap Rencana Pola Ruang di Kota Tangerang Selatan. *Tesis Magister Manajemen Bencana Sekolah Pascasarjana Universitas Gadjah Mada*
- Jha, A. K. Bloch, R. & Lamond, J. (2012). *Cities and Flooding. A Guide to Integrated Urban Flood Risk Management for the 21st Century*. Washington, DC: World Bank. <https://doi.org/10.1596/978-0-8213-8866-2>

- Kabenge, M., Elaru, J., Wang, H., & Li, F. (2017). Characterizing Flood Hazard Risk in Data-Scarce Areas, Using A Remote Sensing and GIS-Based Flood Hazard Index. *Natural hazards*, 89(3), 1369-1387. <https://doi.org/10.1007/s11069-017-3024-y>
- Kementerian ATR/BPN. (2018). Tata Ruang Sangat Menentukan Pengurangan Risiko Bencana. *Diakses dari* <https://tataruang.atrbpn.go.id/Berita/Detail/3413> pada 25 November 2021
- Khosravi, K., Nohani, E., Maroufinia, E., & Pourghasemi, H. R. (2016). A GIS-Based Flood Susceptibility Assessment and Its Mapping in Iran: A Comparison Between Frequency Ratio and Weights-Of-Evidence Bivariate Statistical Models with Multi-Criteria Decision-Making Technique. *Natural hazards*, 83(2), 947-987. <https://doi.org/10.1007/s11069-016-2357-2>
- Kim, Y., & Newman, G. (2021). Advancing Scenario Planning Through Integrating Urban Growth Prediction with Future Flood Risk Models. *Computers, Environment and Urban Systems*, 82(April), 101498. <https://doi.org/10.1016/j.compenvurbsys.2020.101498>
- Komaruddin, N. (2008). Penilaian Tingkat Bahaya Erosi di Sub Daerah Aliran Sungai Cileungsi Bogor. *Jurnal Agrikultura*. 19 (3) : 173-178. <https://doi.org/10.24198/agrikultura.v19i3.1011>
- Kron, W. (2005). Flood Risk= Hazard• Values• Vulnerability. *Water international*, 30(1), 58-68. <http://dx.doi.org/10.1080/02508060508691837>
- Kurzbach, S., Hammond, M., Mark, O., Djordjevic, S., Butler, D., Gourbesville, P., Batica, J., Veerbeek, W., Birkholz, S., Schillte, F. Chen, A.S., Manoljovic, N., & Ujeyl, G. (2013). The Development of Socio-Economic Scenarios for Urban Flood Risk Management. *NOVATECH 2013*.
- Lee, M.J., Kang, J.E., & Jeon, S. (2012). Application of Frequency Ratio Model and Validation for Predictive Flooded Area Susceptibility Mapping Using GIS. In *Geoscience and Remote Sensing Symposium IGARSS 2012 IEEE International IEEE*, 895–898. <https://doi.org/10.1109/IGARSS.2012.6351414>.

- Liu, Y. & De Smedt, F. (2005). Flood Modeling for Complex Terrain Using GIS and Remote Sensed Information. *Water Resour Manag.* 19:605–624. <https://doi.org/10.1007/s11269-005-6808-x>
- Manandhar, B., Balla, M.K., Awal, R., & Pradhan, B. M. (2010). Floodplain Analysis and Risk Assessment of Lothar Khola (Stream). *ESRI India: 11th ESRI India User Conference: 1 – 9*
- Mandal, S., & Maiti, R. (2015). Application of Analytical Hierarchy Process (AHP) and Frequency Ratio (FR) Model in Assessing Landslide Susceptibility and Risk. In: *Semi-quantitative Approaches for Landslide Assessment and Prediction*. Springer Natural Hazards. Springer, Singapore. https://doi.org/10.1007/978-981-287-146-6_7
- Mardiatno, D., Handayani, T., Susanto, D., Faida, L. R., Kusumasari, B., & Malawani, M. N. (2020). Earthquake Vulnerability Mapping in The at-Risk Opak Fault, Sengon Village, Central Java, Indonesia. In *E3S Web of Conferences*, 200, 01002. EDP Sciences. <https://doi.org/10.1051/e3sconf/202020001002>
- Marfai, M.A., & King, L.(2008). Potential Vulnerability Implications of Coastal Inundation Due to Sea Level Rise for The Coastal Zone Of Semarang City, Indonesia. *Environ Geol* 54, 1235–1245. <https://doi.org/10.1007/s00254-007-0906-4>
- Matsuura, S. & Razak, K.A. (2019). Exploring Transdisciplinary Approaches to Facilitate Disaster Risk Reduction. *Disaster Prevention and Management*, 28 (6) : 817-830. <https://doi.org/10.1108/DPM-09-2019-0289>
- Merkava, L., Engi, Z., & Tóth, G. (2012). Urban Flood Risk and Hydrology. *Zeitschrift fuer Geomorphologie, Supplementary Issues*, 56(2), 21-35. <https://doi.org/10.1127/0372-8854/2012/S-00083>
- Morelli, S., Segoni, S., Manzo, G., Ermini, L. & Catani, F. (2012). Urban Planning, Flood Risk and Public Policy: The Case of The Arno River, Firenze, Italy. *Applied Geography*, 34, 205-218, <http://dx.doi.org/10.1016/j.apgeog.2011.10.020>

- Motevalli, A., & Vafakhah, M. (2016). Flood Hazard Mapping Using Synthesis Hydraulic and Geomorphic Properties at Watershed Scale. *Stochastic Environmental Research and Risk Assessment*, 30(7), 1889-1900. <https://doi.org/10.1007/s00477-016-1305-8>
- Munich RE. (2016). *NATCATSERVICE: Loss Event Worldwide 1980 – 2015*. Münchener Rückversicherungs-Gesellschaft, Geo Risks Research
- Murillo, M. Q., & Tan, S. (2017). Discovering The Differential and Gendered Consequences of Natural Disasters on The Gender Gap in Life Expectancy in Southeast Asia. *Natural Hazards and Earth System Sciences Discussions*, 1-18. <https://doi.org/10.5194/nhess-2017-370>
- Nasiri, H., Yusof, M. J. M., Ali, T. A. M., & Hussein, M. K. B. (2019). District Flood Vulnerability Index: Urban Decision-Making Tool. *International Journal of Environmental Science and Technology*, 16(5), 2249-2258. <https://doi.org/10.1007/s13762-018-1797-5>
- Nkwunonwo, U.C., Chiemelu, N.E. & Nkwunonwo, U.A. (2016). Exploring the Inadequacy of Pertinent Capacities for Urban Flood Risk Management in the Developing Countries. *Journal of Social Sciences*, 12, 136-151. <http://doi.org/10.3844/jssp.2016.136.151>
- Oh, H.J., Kim, Y.S., Choi, J.K., Park, E., & Lee, S. (2011). GIS Mapping of Regional Probabilistic Groundwater Potential in The Area of Pohang City, Korea. *J. Hydrol.* 399:158–172 <https://doi.org/10.1016/j.jhydrol.2010.12.027>
- Panoto, D., Irawan, L. Y., Dahlia, S., Herlambang, G. A., & Rasyidah, A. N. (2020). Pemetaan Kerawanan Banjir Bandang di Kecamatan Dau, Kabupaten Malang Menggunakan Metode Analytic Hierarchy Process. *Jurnal Georafflesia* 5 (2): 143-154 <https://journals.unihaz.ac.id/index.php/georafflesia>
- Park, K., & Lee, M. H. (2019). The Development And Application Of The Urban Flood Risk Assessment Model For Reflecting Upon Urban Planning Elements. *Water*, 11(5), 920. <https://doi.org/10.3390/w11050920>

- Pearce, L. (2005). The Value of Public Participation During a Hazard, Impact, Risk, and Vulnerability (HIVR) Analysis. *Mitigation and Adaptation Strategies for Global Change* 10 (3): 411-441 <https://doi.org/10.1007/s11027-005-0054-7>
- Pradana, A., Rahmanu, Y. A., Prabaningrum, I., Nurafifa, I., & Hizbaron, D. R. (2018). Vulnerability Assessment to Frost Disaster in Dieng Volcanic Highland Using Spatial Multi-Criteria Evaluation. In *IOP Conference Series: Earth and Environmental Science* , 148, 1, 012002. IOP Publishing. <https://doi.org/10.1088/1755-1315/148/1/012002>
- Pradhan, B. (2010). Flood Susceptible Mapping and Risk Area Delineation Using Logistic Regression, GIS and Remote Sensing. *Journal of Spatial Hydrology*, 9(2). : <https://scholarsarchive.byu.edu/josh/vol9/iss2/4>
- Purwanto, E. H., & Lukiawan, R. (2019). Parameter Teknis dalam Usulan Standar Pengolahan Penginderaan Jauh: Metode Klasifikasi Terbimbing. *Jurnal Standardisasi*, 21(1), 67-78. <http://dx.doi.org/10.31153/js.v21i1.737>
- Rachmawati, T. A., Rahmawati, D., & Susilo, A. (2018). *Pengurangan Risiko Bencana Berbasis Tata Ruang*. Malang: Universitas Brawijaya Press.
- Rahmati O, Pourghasemi HR, & Zeinivand H. (2016). Flood Susceptibility Mapping Using Frequency Ratio and Weights-Of-Evidence Models in The Golastan Province, Iran. *Geocarto International*. 31(1):42–70. <https://doi.org/10.1080/10106049.2015.1041559>
- Ramesh, V. & Iqbal, S. S. (2020). Urban Flood Susceptibility Zonation Mapping Using Evidential Belief Function, Frequency Ratio and Fuzzy Gamma Operator Models In GIS: A Case Study of Greater Mumbai, Maharashtra, India. *Geocarto International*, 1-12, <https://doi.org/10.1080/10106049.2020.173044>
- Ran, J. & Budic, Z.N. (2016). Integrating Spatial Planning and Flood Risk Management: A New Conceptual Framework for The Spatially Integrated Policy Infrastructure. *Computers, Environment, and Systems*, 57, 68-79, <http://dx.doi.org/10.1016/j.compenvurbsys.2016.01.008>
- Resurreccion, B. P., Sajor, E. E., & Fajber, E. (2008). *Climate Adaptation in Asia: Knowledge Gaps and Research Issues in Southeast Asia*. Kathmandu, Nepal:

- Institute for Social and Environmental Transition-International, & Institute for Social & Environmental Transition-Nepal.
- Ronoh, S. (2017). Disability Through an Inclusive Lens: Disaster Risk Reduction in Schools. *Disaster Prevention and Management*, 26 (1):105-119. <https://doi.org/10.1108/DPM-08-2016-0170>
- Ros, F. C., & Tosaka, H. (2018). Analysis of Rainfall Distribution in Kelantan River Basin, Malaysia. In *E3S Web of Conferences*, 34, 02020. EDP Sciences. <https://doi.org/10.1051/e3sconf/20183402020>
- Rosyidie, A. (2013). Banjir: Fakta dan Dampaknya, serta Pengaruh dari Perubahan Guna Lahan. *Jurnal Perencanaan Wilayah dan Kota*, 24(3), 241-249.
- Saaty, T. L. & Vargas, L. G. (2012). *Models, Methods, Concepts and Applications of The Analytic Hierarchy Process*. New York: Springer Science & Business Media <https://doi.org/10.1007/978-1-4614-3597-6>
- Saaty, T. L. (2004). Decision Making-The Analytic Hierarchy and Network Process. *Journal of Systems Science and Systems Engineering* 13 (1):1-35 <https://doi.org/10.1007/s11518-006-0151-5>
- Saaty, T. L. (2008). Decision Making with The Analytic Hierarchy Process. *Int. J. Services Sciences*. 1 (1): 83-98 <https://doi.org/10.1504/IJSSci.2008.01759>
- Saha, A., Pal, S.C., Arabameri, A., Blaschke, T., Panahi, S., Chowdhuri, I., Chakraborty, R., Costache, R. & Arora, A. (2021) A. Flood Susceptibility Assessment Using Novel Ensemble of Hyperpipes and Support Vector Regression Algorithms. *Water*, 13 (2), 241. <https://doi.org/10.3390/w13020241>
- Salim, W., Suroso, D. S., Fitriyanto, M. S., & Bisri, M. B. (2012). *Guidelines for Climate Change Risk and Adaptation Assessment and for Mainstreaming Into Policy*. Jakarta: Ministry
- Samanta, R.K., Bhunia, G. S., Shit, P. K., & Pourghasemi, H. R. (2018). Flood Susceptibility Mapping Using Geospatial Frequency Ratio Technique: A Case Study of Subarnarekha River Basin, India. *Modelling Earth Systems and Environment* 4: 395-408 <https://doi.org/10.1007/s40808-018-0427-z>

- Samanta, S., Pal, D.K., & Palsamanta, B. (2018). Flood Susceptibility Analysis Through Remote Sensing, GIS and Frequency Ratio Model. *Appl. Water. Sci.* 8(2):66. <https://doi.org/10.1007/s13201-018-0710-1>
- Samodra, G., Chen, G., Sartohadi, J. et al. Comparing Data-Driven Landslide Susceptibility Models Based on Participatory Landslide Inventory Mapping in Purwosari Area, Yogyakarta, Java. *Environ Earth Sci* **76**, 184 (2017). <https://doi.org/10.1007/s12665-017-6475-2>
- Sarkar, D., & Mondal, P. (2020). Flood Vulnerability Mapping Using Frequency Ratio (FR) Model: A Case Study on Kulik River Basin, Indo-Bangladesh Barind Region. *Applied Water Science*, 10(1), 1-13. <https://doi.org/10.1007/s13201-019-1102-x>
- Sarmah, T., Das, S., Narendr, A., & Aithal, B. H. (2020). Assessing Human Vulnerability to Urban Flood Hazard Using The Analytic Hierarchy Process and Geographic Information System. *International Journal of Disaster Risk Reduction*, 50, 101659. <https://doi.org/10.1016/j.ijdr.2020.101659>
- Setiawan, O. (2008). Analisis Risiko Banjir pada Daerah Aliran Sungai Babon, Semarang, Jawa Tengah. *Tesis Magister Perencanaan Pengelolaan Pesisir dan Daerah Aliran Sungai Fakultas Geografi Universitas Gadjah Mada*
- Siahkamari, S., Haghizadeh, A., Zeinivand, H., Tahmasebipour, N. & Rahmati, O. (2018). Spatial Prediction of Flood-Susceptible Areas Using Frequency Ratio and Maximum Entropy Models. *Geocarto International*, 33:9, 927-941, <https://doi.org/10.1080/10106049.2017.1316780>
- Sigurdsson, H., Houghton, B., McNutt, S., Rymer, H., & Stix, J. (Eds.). (2015). *The Encyclopedia Of Volcanoes*. London: Elsevier Inc.
- Siregar, J. S., & Wibowo, A. (2019). Upaya Pengurangan Risiko Bencana pada Kelompok Rentan. *Jurnal Dialog dan Penanggulangan Bencana*, 10(1), 30-38. <https://perpustakaan.bnppb.go.id/jurnal/index.php/JDPB/article/view/12938>
- Smit, B., & Wandel, J. (2006). Adaptation, Adaptive Capacity And Vulnerability. *Global Environmental Change*, 16 (3), 282-292. <https://doi.org/10.1016/j.gloenvcha.2006.03.008>

- Sugiyono. (2015). *Metode Penelitian Kuantitatif Kualitatif dan R&D*. Bandung: Alfabeta
- Suherlan, E. (2001). Floodplain Visualization Using HEC-RAS Hydraulic Modeling and Arcview GIS (A Study Case of Downstream Ciliwung, Jakarta, Indonesia). *Tesis Institut Pertanian Bogor*
- Sunarharum, T. M., Sloan, M. & Susilawati, C. (2014). Re-framing Infrastructure Investment Decision-Making Process: A Preliminary Scoping Study for Urban Flood Risk Management in Jakarta, Indonesia. *International Journal of Disaster Resilience in the Built Environment* 5 (3): 230 – 242
<https://doi.org/10.1108/IJDRBE-02-2014-0015>
- Sutanta, H. (2012). Spatial Planning Support System for an Integrated Approach to Disaster Risk Reduction. *Doctoral dissertation Department of Infrastructure Engineering, School of Engineering, the University of Melbourne*. Diakses dari https://minerva-access.unimelb.edu.au/bitstream/handle/11343/37854/290145_HeriSutanta_PhD_Thesis.pdf?sequence=1&isAllowed=y
- Sutanta, H., Rajabifard, A., & Bishop, I. D. (2010). Integrating Spatial Planning and Disaster Risk Reduction at The Local Level in The Context of Spatially Enabled Government. *Spatially Enabling Society Research, Emerging Trends and Critical Assessment*, 55–68.
- Syah, M. W. & Hariyanto, T. (2013). Klasifikasi Kemiringan Lereng dengan Menggunakan Pengembangan Sistem Informasi Geografis sebagai Evaluasi Kesesuaian Landasan Pemukiman Berdasarkan Undang-Undang Tata Ruang dan Metode Fuzzy. *Jurnal Teknik POMITS*. 10(10): 2337-3539
- Tambunan, M. P. (2011). Kaitan Penggunaan Lahan Perkotaan dengan Banjir: Studi Kasus di Provinsi DKI Jakarta Tahun 1996, 2002, dan 2007. *Makalah Seminar Nasional dan Pertemuan Ilmiah Tahunan XIV Ikatan Geografi Indonesia di Universitas Pendidikan Ganesha, Singaraja Bali 11 November 2011*. Diakses dari <https://geografi.ui.ac.id/portal/wp-content/uploads/2012/03/mangapul.doc>

- Tehrany M.S., Pradhan B., & Jebur, M.N. (2015). Flood Susceptibility Analysis and Its Verification Using a Novel Ensemble Support Vector Machine and Frequency Ratio Method. *Stoch. Environ. Res. Risk Assess.* 29(4): 1149–1165. <https://doi.org/10.1007/s00477-015-1021-9>
- Tehrany, M. S., & Kumar, L. (2017). The Application of a Dempster–Shafer-Based Evidential Belief Function in Flood Susceptibility Mapping and Comparison with Frequency Ratio and Logistic Regression Methods. *Environmental Earth Sciences*, 77(13), 1-24. <https://doi.org/10.1007/s12665-018-7667-0>
- Tehrany, M. S., Pradhan, B., & Jebur, M. N. (2014). Flood susceptibility mapping using a novel ensemble weights-of-evidence and support vector machine models in GIS. *Journal of hydrology*, 512, 332-343.
- Thoban, M. I., & Hizbaron, D. R. (2020). Urban resilience to floods in parts of Makassar, Indonesia. In *E3S Web of Conferences* (Vol. 200, p. 01007). EDP Sciences. <https://doi.org/10.1051/e3sconf/202020001007>
- Udoh, J. C. (2015). Multi-Hazard Vulnerability Mapping: An Example of Akwa Ibom State, Nigeria. *European Scientific Journal*, 11(29).
- Ullah, K. & Zhang, J. (2020). GIS-based flood hazard mapping using relative frequency ratio method: A case study of Panjkora River Basin, eastern Hindu Kush, Pakistan. *PLoS ONE* 15(3): e0229153. <https://doi.org/10.1371/journal.pone.0229153>
- UN/ISDR (United Nations/International Strategy for Disaster Risk Reduction) (2009) UNISDR terminology on disaster risk reduction 2009. Diakses dari <http://www.unisdr.org/eng/library/lib-terminology-eng-2004.html> pada 28 Oktober 2021
- Uwakwe, A. C. (2015). *Assessment of Physical Vulnerability to Flood in Saint Lucia: Case Studies: Castries Old Central Business District and Dennery Village*. Thesis University of Twente Faculty of Geo-Information and Earth Observation (ITC).
- Van Westen, C. J., Alkema, D., Damen, M. C. J., Kerle, N., & Kingma, N. C. (2011). Multi-hazard risk assessment. *United Nations University–ITC School on Disaster Geoinformation Management*.

- Ward, P.J., Marfai, M.A., Pauw, W.P., Bonte, R., Elings, C., Poerbandono, D.R., Yulianto, F., Hizbaron, D.R., & Julian, M. (2010). Flood risk management in Jakarta. *Deltas in Times of Climate Change International Conference (Vol.30)*
- Wijaya, N., Bisri, M. B. F., Aritenang, A. F., & Mariany, A. (2017). Spatial Planning, Disaster Risk Reduction, and Climate Change Adaptation Integration in Indonesia: Progress, Challenges, and Approach. In *Disaster Risk Reduction in Indonesia*, pp. 235-252. https://doi.org/10.1007/978-3-319-54466-3_9
- Wisner, B. (2002). *Disability and disaster: Victimhood and agency in earthquake risk reduction*. Newcastle upon Tyne: Northumbria University. https://nanopdf.com/download/radix-radical-interpretations-of-disaster_pdf
- Yilmaz, I., & Keskin, I. (2009). GIS based statistical and physical approaches to landslide susceptibility mapping (Sebinkarahisar, Turkey). *Bulletin of Engineering Geology and the Environment*, 68(4), 459-471.
- Youssef, A. M., Pradhan, B., & Hassan, A. M. (2011). Flash flood risk estimation along the St. Katherine road, southern Sinai, Egypt using GIS based morphometry and satellite imagery. *Environmental Earth Sciences*, 62(3), 611-623.
- Youssef, A.M., Pradhan, B., Sefry, S.A. (2016) Flash flood susceptibility assessment in Jeddah city (Kingdom of Saudi Arabia) using bivariate and multivariate statistical models. *Environ Earth Sci*, 75(12): 1–16 <https://doi.org/10.1007/s12665-015-4830-8>

Peraturan Perundang-Undangan

- Undang-Undang Republik Indonesia Nomor 26 tahun 2007 tentang Penataan Ruang
- Undang-Undang Republik Indonesia Nomor 24 Tahun 2007 tentang Penanggulangan Bencana
- Peraturan Pemerintah Republik Indonesia Nomor 26 Tahun 2008 Tentang Rencana Tata Ruang Wilayah Nasional

Peraturan Presiden Republik Indonesia nomor 39 tahun 2019 tentang Satu Data Indonesia

Peraturan Presiden Republik Indonesia nomor 9 tahun 2016 tentang Percepatan Pelaksanaan Kebijakan Satu Peta pada Tingkat Ketelitian Skala Peta 1:50.000

Peraturan Presiden Republik Indonesia nomor 95 tahun 2018 Sistem Pemerintahan Berbasis Elektronik (SPBE)

Peraturan Presiden Republik Indonesia Nomor 60 Tahun 2020 tentang Rencana Tata Ruang Kawasan Perkotaan Jakarta, Bogor, Depok, Tangerang, Bekasi, Puncak, dan Cianjur

Peraturan Kepala BNPB Nomor. 2 Tahun 2012 tentang Pedoman Umum Pengkajian Risiko Bencana

Peraturan Menteri ATR/BPN Nomor 14 tahun 2020 tentang Pedoman Penyusunan Basis Data Peta Rencana Tata Ruang Wilayah Provinsi, Kabupaten Dan Kota, serta Peta Rencana Detail Tata Ruang Kabupaten/Kota

Peraturan Menteri Pekerjaan Umum dan Perumahan Rakyat Republik Indonesia Nomor 28/PRT/M/2015 tentang Penetapan Garis Sempadan Sungai dan Garis Sempadan Danau

Peraturan Daerah DKI Jakarta Nomor 1 Tahun 2012 tentang Rencana Tata Ruang Wilayah Provinsi DKI Jakarta 2030

Peraturan Daerah DKI Jakarta Nomor 1 tahun 2014 tentang Rencana Detail Tata Ruang dan Peraturan Zonasi

Peraturan Gubernur Daerah Khusus Ibukota Jakarta Nomor 13 Tahun 2021 tentang Rencana Kontinjensi Penanggulangan Bencana Banjir di Provinsi Daerah Khusus Ibukota Jakarta Tahun 2021

Instruksi Gubernur Provinsi DKI Jakarta nomor 34 tahun 2018 tentang Sistem Peta dan Data dalam Program Jakarta Satu