

DAFTAR PUSTAKA

- Abadi, A.W, B. I. D. Astuti, Kurniasari, Y. V. O. Siahaan, U. A. Jamil, W. Widyaningrum, A. P. Jatti, N. H. Putri, R. D. Astabella, C. B. I. Pratiwi, N. Ayumi, D. M. Hayat, J. H. Putra, & R. F. Putri. (2020). Study of design discharge and river capacity in Celeng Sub-watershed, Special Region of Yogyakarta. *IOP Conference Series: Earth and Environmental Science*. The 3rd Environmental Resources Management in Global Region.
- Allafta, Hadi & Christian Opp. (2021). GIS-based multi-criteria analysis for flood prone areas mapping in the trans-boundary Shatt Al-Arab basin, Iraq-Iran. *Geomatics, Natural Hazards and Risk*. Vol. 12, No. 1, 2087–2116.
- Ali, Ershad. *Geographic Information System (GIS): Definition, Development, Applications & Components*. Department of Geography, Ananda Chandra College. India: Jalpaiguri.
- Allison, Robert. (2002). *Applied Geomorphology: Theory and Practice*. Chichester, UK: John Wiley & Sons.
- American Society for Testing and Materials International. (2004). ASTM D 2435: *Standard Test Methods for One-Dimensional Consolidation Properties of Soils Using Incremental Loading*. West Conshohocken. United States.
- American Society of Civil Engineers & the Water Environmental Federation (1969; 1992) dalam Joe Hill. (1998; 2002). Evaluation of Rational Method “C” Values.
- Anderson EM. (1951). *The Dynamics of Faulting and Dyke Formation With Applications to Britain*. Oliver and Boyd: Edinburgh
- Army, E. K. & N. Tsabitah. (2023). Perhitungan Permeabilitas Tanah dengan Metode Falling Head pada PT Solusi Bangun Indonesia, Plant Tuban. *Journal of Science, Technology, and Visual Culture* Vol. 3, No. 2, 2023. Hal. 261-266.

- Arsyad, Sitanala. 2006. *Konservasi Tanah dan Air*. Bandung: Penerbit IPB (IPB. Press)
- Asdak. C. (2005). *Hidrologi dan Pengelolaan Daerah Aliran Sungai*. Gajah Mada University Press. Yogyakarta
- _____. (2010). *Hidrologi dan Pengelolaan Daerah Aliran Sungai (Edisi Revisi)*. Gajah Mada University Press.
- Badan Koordinasi Survei dan Pemetaan Nasional. (1999). *Peta Rupabumi Digital Indonesia Lembar 1408 – 224 Timoho, skala 1:25.000. Edisi I*. Badan Koordinasi Survei dan Pemetaan Nasional (Bakosurnatal): Cibinong.
- Badan Metereologi, Klimatologi, & Geofisika. (2023). *Data Curah Hujan Dalam Kurun Waktu 2019-2023 Untuk 2 Stasiun Yakni Stasiun Pengukuran Trukan dan Gedangsari*.
- _____. (2023). Stasiun Klimatologi Kelas IV Provinsi Daerah Istimewa Yogyakarta. *Data Curah Hujan Dalam Kurun Waktu 2019-2023 Untuk 3 Stasiun Yakni Stasiun Pengukuran Piyungan, Berbah, dan Prambanan*.
- Badan Nasional Penanggulangan Bencana. (2016). RBI: Risiko Bencana Indonesia. Badan Nasional Penanggulangan Bencana: Jakarta.
- Badan Standardisasi Nasional. (2008). *SNI 1965-2008: Metode Pengujian Kadar Air tanah Laboratorium*.
- Badan Standardisasi Nasional. (2012). *SNI ASTM C136:2012 Revisi SNI 03 – 1968 – 1990: Metode Uji Untuk Analisis Saringan – Agregat Halus dan Agregat Kasar (ASTM C 136 – 06, IDT)*.
- Badan Standardisasi Nasional. (2012). *SNI 6467.2:2012: Tata cara pengukuran debit pada saluran terbuka secara tidak langsung dengan metode kemiringan luas*.

Badan Standardisasi Nasional. (2016). *SNI 2415:2016: Tata Cara Perhitungan Debit Banjir Rencana*. Kementerian Pekerjaan Umum dan Perumahan Rakyat.

Badan Pusat Statistik Kabupaten Bantul. (2023). *Kabupaten Bantul Dalam Angka*. Bantul Regency in Figures 2021. Hal 49-50.

Barker, R. W. (1960). Taxonomic Notes. *Society of Economic Paleontologist and Mineralogist*. Oklahoma: United States of America

Bartens, J., Day, S.D., Harris, J.R., Dove, J.E., & Wynn, T.M. (2008). Can Urban Tree Roots Improve Infiltration through Compacted Subsoils for Stormwater Management? *J. Environ. Qual.* 37, 2048–2057

Bemmelen, R.W. Van. (1949), *The Geology of Indonesia – Vol. 1A*, Government Printing Office, Martinus Nijhoff, The Hague, Netherlands.

Beven, K. J. & Kirby, M. J. (1979). A physically Based, Variablecontributing Area Model of Basinhydrology. *Hydrological Science Bulletin* (24), 43-69.

Blow, W.H. (1969). Late Middle Eocene to Recent Planktonic Foraminiferal Biostratigraphy. In: Bronnimann, P. and Renz, H.H., Eds. *Proceedings of the 1st International Conference on Planktonic Microfossils*. Geneva. Vol. 1, 199-422.

Bogie, I & K.M. Mackenzie. (1998), The Application of a Volcanic Facies Model to An Andesitic Stratovolcano Hosted Geothermal System at Wayang Windu, Java, Indonesia. *Proceedings 20th NZ Geothermal Workshop*, pp. 265-270.

Bothe, A. Ch. D. (1929). *Jiwo Hills and Southern Range Excursion Guide. IVth Pacific Science Congress, Java, Bandung*, pp. 1-14.

British Standard International. (1998). BS 8004:1986. *Code of Practice for Foundations*. BSI

Chesworth, Ward. (2008). *Encyclopedia Of Earth Sciences Series. Encyclopedia Of Soil Science*. Dordrecht, The Netherlands.

- Choudhury, Subhasish, Amiya Basak, Sankar Biswas, & Jayanta Das. (2022). Flash Flood Susceptibility Mapping Using GIS-Based AHP Method. *Researchgate*.
- Chow, V. T., Maidment D. R., & Mays Law. (1998). *Applied Hydrology*. Me. Graw-Hill Book Company, Singapore.
- Clarke, J. T. (1966). *Morphometry from maps, in Essays in Geomorphology*. Elsevier: New York, NYC, USA. Hal. 235–274.
- Cooke, R. U. & Doornkamp, J. C. (1974) dalam Sutikno. (1987). *Metode Penelitian untuk Geografi Fisik*. Fakultas Geografi UMS. Tanpa Penerbit.
- Cope. (1877) dalam Petrina, Stephen. (2019). *Methods of Analysis*. The University of British Columbia, Vancouver. Researchgate.
- Darcy, H. (1856). *Les Fontaines Publiques de la Ville de Dijon*. Victor Dalmont, Paris
- Darmawan, K., Hani'ah, & Suprayogi, A. (2017). Analisis tingkat kerawanan banjir di kabupaten Sampang menggunakan metode overlay dengan scoring berbasis sistem informasi geografis. *Jurnal Geodesi Undip*, 6(1), 31–40. Jurusan Teknik Geodesi.
- Darwis, H. (2018). *Dasar-dasar Mekanika Tanah*. Yogyakarta: Pena Indis.
- Das, B. M. (1995), *Mekanika Tanah (Prinsip-prinsip Rekayasa Geoteknis)*. Jilid 1 (Noor Endah & Indrasurya B. Mochtar. Penerjemah). Jakarta: Erlangga.
- Dhiniati, F. & A. Dinata. (2022). Identifikasi Kerentanan Banjir Bandang Menggunakan Metode AHP (Analytical Hierarchy Process) Berbasis SIG di Sub Das Air Mulak, Kabupaten Lahat. *JPPDAS. Volume 1*, hal. 39-56.
- Dinas Pertanahan dan Tata Ruang Daerah Istimewa Yogyakarta. (2023). *Peta Tematik Jenis Tanah DIY Berdasarkan Peraturan Daerah DIY Nomor 5 Tahun 2019 Tentang Rencana Tata Ruang Wilayah (RTRW) DIY Tahun 2019 – 2039*. Dinas Pertanahan dan Tata Ruang DIY: Yogyakarta

- Djaeni, A. (1982). *Peta Hidrogeologi Indonesia Skala 1:250.000. Lembar IX: Yogyakarta (Jawa)*. Direktorat Geologi Tata Lingkungan. Bandung: Indonesia.
- Eltarabishi, Fatma, Omar Hassan Omar, Imad Alsyouf, & Maamar Bettayeb. (2020). Multi - Criteria Decision Making Methods and Their Applications A Literature Review. *Proceedings of the International Conference on Industrial Engineering and Operations Management*. IEOM Society International. Hal. 2654 – 2663.
- Eroglu, H., Çakır, G. Sivrikaya, F., & Akay, A. E. (2010). Using high resolution images and elevation data in classifying erosion risks of bare soil areas in the Hatila Valley Natural Protected Area, Turkey, Stoch. Env. Res. Risk A., 24:699–704
- Ezugwu, C. (2013). Sediment Deposition in Nigeria Reservoirs: Impacts and Control Measures. *Innovative Systems Design and Engineering*. 4:54–62.
- Food and Agriculture Organization of The United Nations. (2001). *Lecture Notes on The Major Soils of The World. World Soil Resources Reports, Volume 94*. Rome: Food and Agriculture Organization of the United Nations, 334 pp.
-
- _____. (2006). *World Reference Base for Soil Resources, 2006: A Framework for International Classification, Correlation, And Communication*. Rome: Food and Agriculture Organization of the United Nations. 128 pp.
- Federal Emergency Management Agency. (2006). *Floodplain Management Course, Session 6. Floods and Floodplain Management*. Washington: FEMA.
- Fetter, C. W & David Kreamer. (2021). *Applied Hydrogeology (5th Edition)*. New York: Waveland Press.
- Franz, Delbert D., Linsley, Kraeger Associates & Charles S. Melching. (1997). *Full Equations (FEQ) Model for the Solution of the Full, Dynamic Equations of*

Motion for One-Dimensional Unsteady Flow in Open Channels and through Control Structures. U.S. Geological Survey: Urbana, Illinois.

Freeze, R. A. & Cherry, J. A. (1979). *Groundwater*. Prentice-Hall, Inc., Englewood Cliffs, New Jersey 07632.

Guntoro, A., (1996). *Tectonic Evolution and Crustal Structure of The Central Indonesian Region from Geology, Gravity, and Other Geophysical Data*. PhD Thesis: University of London.

Halawa, G. C. M., M. U. Botjing, & Asrafil. (2023). Penentuan Zonasi Tingkat Kerawanan Gerakan Tanah Di Kecamatan Marawola Kabupaten Sigi Sulawesi Tengah. Bomba: *Jurnal Pembangunan Daerah* (1) (2023): 25-34

Hardiyatmo, H. C. (2002). *Mekanika Tanah 1*.

Hendratta, L. A. & H. Tangkudung. (2020). *Hidraulika*. Manado: Unsrat Press

Hendrayana, H. (1993). Hidrogralogie und Grundwassergewinnungs Im Yogyakarta Becken Indonesien, *Doctor Arbeit der RWTH*, Aachen, Germany (tidak dipublikasikan).

_____. (1994). Hasil Simulasi Model Matematika Aliran Air Tanah Di Bagian Tengah Cekungan Yogyakarta, Makalah Ikatan Ahli Geologi Indonesia. *Pertemuan Ilmiah Tahunan Ke 23*. Desember 1994. Yogyakarta.

_____. (2002) Sistem Pengelolaan Air Bawah Tanah Yang Berkelanjutan, dalam buku Peluang dan Tantangan Pengelolaan Sumberdaya Air di Indonesia. *P3-TPSLK BPPT and HSF*. Jakarta.

_____. (2011). *Cekungan Air Tanah Yogyakarta - Sleman: Geometri Cekungan dan Sistem Akuifer*. Jurusan Teknik Geologi. Fakultas Teknik. Universitas Gadjah Mada. Yogyakarta.

- Izzati, H., H S Hasibuan & T. L. Indra. (2019). Land Use Change of Cisadane River Buffer. *Southeast Asian Geography Association (SEAGA) 13th Conference*. 1-18. Strips, South Tangerang City, Indonesia
- Horton, R. E. (1932). *Drainage Basin Characteristics*. Transactions of the American Geophysics Union. Volume 13, hal. 350–361.
- Howard, A. D. (1967). Drainage Analysis for Geologic Interpretation: A Summation. *American Association of Petroleum Geologist Bulletin*, vol. 51, 2246 – 2259.
- Husein, S. & Srijono. (2007). Tinjauan Geomorfologi Pegunungan Selatan DIY/Jawa Tengah: telaah peran faktor endogenik dan eksogenik dalam proses pembentukan pegunungan. *Seminar Potensi Geologi Pegunungan Selatan dalam Pengembangan Wilayah*. Jurusan Teknik Geologi Universitas Gadjah Mada: Yogyakarta.
- Inkiläinen, E.N.M., McHale, M.R., Blank, G.B., James, A.L. & Nikinmaa. (2013). *E. The role of the residential urban forest in regulating throughfall: A case study in Raleigh, North Carolina, USA*. Landsc. Urban Plan. 119, 91–103.
- Keddy, P. A. (2023). *Causal Factors for Wetland Management and Restoration: A Concise Guide*. Springer. 159.
- Khant, S., M. Gendre, R. Kshatre, R. Singh, D. Singh, A. Pathak & D. Ku. Sahu. (2014). Estimation of Maximum Discharge for Small Catchment Area. *IJCSN International Journal of Computer Science and Network*. 131 – 135.
- Kodoatje, R.J, & R. Sjarief, Ph.D. (2008). *Pengelolaan Sumber Daya Air. Terpadu*. Edisi Revisi. Yogyakarta: Penerbit Andi.
- Koenigswald, G.H.R Von. (1939). *Das Pleistocän Javas. Quartär*, No. 2.
- Kondolf, G. Mathias, Yongxuan Gao, George W. Annandale, Gregory L. Morris, Enhui Jiang, Junhua Zhang, Yongtao Cao, Paul Carling, Kaidao Fu, Qingchao Guo, Rollin Hotchkiss, Christophe Peteuil, Tetsuya Sumi, Hsiao-Wen Wang,

- Zhongmei Wang, Zhilin Wei, Baosheng Wu, Caiping Wu, & Chih Ted Yang15. (2014). Sustainable sediment management in reservoirs and regulated rivers: Experiences from five continents. *AGU Earth Future*. 256 – 280.
- Linsley, R. H. (1959) dalam Matondang, J. P., Sutomo Kahar & Bandi Sasmito. (2013). “Analisis Zonasi Daerah Rentan Banjir Dengan Pemanfaatan Sistem Informasi Geografis (SIG) (Studi Kasus: Kota Kendal dan Sekitarnya). *Jurnal Geodesi Universitas Diponegoro. Volume 2, Nomor 2, Tahun 2013 (ISSN:2337-845X)*.
- Lehmann, H. (1936). *Morphologische Studien auf Java. Geographische Abhandlungen, 3 Reihe, Heft 9*.
- Leopold, L. B. & Maddock, T. (1953). The Hydraulic Geometry of Stream Channels and Some Physiographic Implications. *Geological Survey Professional Paper 252, U.S. Geological Survey: Washington, DC*.
- Lestari, E. (2013). Analisa Sistem Pendukung Keputusan Untuk Proses Kenaikan Jabatan Pada Pt. X. *Journal of Chemical Information and Modeling*, 53(9), 1689–1699.
- Lobeck, A.K. (1939). *Geomorphology*. New York & London: Mc Graw-Hill Book Company Inc.
- Luhukay, M., R. G. Risamasu, R. M. Osok, & S. Slame (2022). Study of Physical and Mineral Properties of Soil Clay Landslide Location of IAIN Campus Ambon City. *International Journal of Multidisciplinary: Applied Business and Education Research. Vol. 3, No. 12, 2611 – 2621*
- Junivan, Linawati, & I. A. D. Giriantari. (2018). Analisis Potensi Banjir di Kota Denpasar Menggunakan Metode Analytical Hierarchy Process. *Majalah Ilmiah Teknologi Elektro*, 17(2), pp.227-236.
- Lutgens, Frederick K. & Edwar J. Tarbuck. (2012). *Essentials of Geology: Eleventh Edition*. USA: Prentice Hall.

Mahesti T., E. Umar, A. Ariadi, S. Y. J. Prasetyo, & C. Fibriani. (2020). “*Identifikasi Perubahan Tutupan Vegetasi dan Curah Hujan Kabupaten Semarang Menggunakan Citra Satelit Lansat 8*”, Indonesia. J. Comput.

Maning (1889) dalam George J., Arcement Jr., & Verne R. Schneider. (1989). *Guide for Selecting Manning's Roughness Coefficients for Natural Channels and Flood Plains*. U.S. Geological Survey Water-Supply. Paper 2339. USA: Denver.

Marks, P. (1957). *Stratigraphic Lexicon of Indonesia, Volume 31 of Republik Indonesia*. Kementerian Perekonomian, Pusat Djawatan Geologi, Publikasi Keilmuan, Seri geologi.

McDonald & Partners. (1984). *Greater Yogyakarta Groundwater Resource Study, Volume 3*. Groundwater Development Project. Direct General of Water Resources Development. Ministry of Publicworks: Government of Indonesia.

McWhorter, D.B. & Sunada, D.K. (1977). *Ground - Water Hydrology and Hydraulics*. Water. Resources. Publications, Colorado, 156-168

Mohapatra, P.K. & Singh, R.D. (2003). *Flood Management in India. In Flood Problem and Management in South Asia*. Springer: Netherlands. 131-143.

Mokhtari, Elhadj, Farouk Mezalia, Brahim Abdelkebir & Bernard Engel. (2023). Flood risk assessment using analytical hierarchy process: A case study from the Cheliff-Ghrif watershed, Algeria. *Journal of Water & Climate Change*. Vol. 14 No.3 Hal. 694.

Moody, J. D. & M. J. Hill. (1956). Wrench-fault tectonics. *Geological Society of America Bulletin (Geological Society of America)*. Vol. 67, Iss: 9, pp 1207-1246

Morris, G. L., & J. Fan. (1998). *Reservoir Sedimentation Handbook: Design and Management of Dams, Reservoirs and Watersheds for Sustainable Use*. McGraw-Hill Book Co: New York.

Morton, Scott & Michael S. (1971). *Management Decision Systems. Computer-Based Support for Decision Making*. Division of Research, Graduate School of Business Administration, Harvard University. USA: Boston.

Pannekoek, A.J. (1949). *Outline of the Geomorphology of Java. Reprint from Tijdschrift van Het Koninklijk Nederlandsch Aardrijkskundig Genootschap, vol. LXVI part 3, E.J. Brill, Leiden, pp. 270-325.*

Pertamina-BPPKA. (1996). *Petroleum geology of Indonesian basins: Principles, Methods, and Application, Vol IV., East Java Basin, 107 p.*

Petrina, Stephen. (2019). *Methods of Analysis*. The University of Britih Columbia, Vancouver. Researchgate.

Pettijohn, F.J. (1975). *Sedimentary Rocks. 2nd Edition*. Harper and Row Publishers, New York, 628 p.

Primayuda A. (2006). Pemetaan Daerah Bahaya dan Resiko Banjir Menggunakan Sistem Informasi Geografis: Studi Kasus Kabupaten Trenggalek, Jawa Timur. *Tugas Akhir*. Bogor: Fakultas Pertanian, Institut Pertanian Bogor.

Pakasi, Sandra E., & Miranda R. Malamassam. (2006). Analisis Perubahan Bilangan Kurva Aliran Permukaan Pada Beberapa Skenario Pemanfaatan Lahan Di Sub DAS Latoma, Das Konaweha, Sulawesi Tenggara. *Jurnal Perennial*, 3(1), 19-24.

Poehls, D.J. & Smith, Gregory J. (2009). *Encyclopedic Dictionary of Hydrogeology*. Burlington: Elsevier.

Prasetyadi, C., Sudarno, I., Indranadi, V. B., & Surono, S. (2011). Pola dan Genesa Struktur Geologi Pegunungan Selatan, Provinsi Daerah Istimewa Yogyakarta dan Provinsi Jawa Tengah. *Jurnal Geologi dan Sumberdaya Mineral*, 21(2), 91-107.

Pulunggono & Martodjojo, S. (1994). Perubahan Tektonik Paleogene – Neogene Merupakan Peristiwa Tektonik Terpenting di Jawa. *Proceeding Geologi dan Geotektonik Pulau Jawa*. Percetakan NAFIRI: Yogyakarta

Qin, Yinghong. (2020). Urban Flooding Mitigation Techniques: A Systematic Review and Future Studies. *MDPI Journal Water*. 12, 3759.

Quinn, P., Beven, K., Chevallier, P., & Planchon, O. (1991). *The Prediction of Hillslope Flow Paths for Distributed Hydrological Modelling Using Digital Terrain Models*. *Hydrological Processes*. 5(1), 59–79.

Rahardjo, W. (2007). Prelimanary Result of Foraminiferal Biostratigraphy Of Southern Mountain Tertiary Rock, Daerah Istimewa Yogyakarta. *Prosiding Seminar dan Workshop Potensi Geologi Pegunungan Selatan dalam Pengembangan Wilayah*.

Rahardjo, W., Sukandarrumidi, & H. M. D. Rosidi. (2012). Peta Geologi Lembar Yogyakarta, Jawa. Tema Peta Geologi Skala 1:100.000. *Indeks Peta 27 Lembar Peta 1407-5, 1408-2*.

Rahayu, S., R. H. Widodo, M. V. Noordwijk, I. Suryadi, & B. Verbist. (2009). *Monitoring Air di Daerah Aliran Sungai*. World Agroforestry Centre. Bogor: ICRAF Asia Tenggara. Hal. 104

Republik Indonesia, *Peraturan Pemerintah (PP) No. 82 Tahun 2001 tentang Pengelolaan Kualitas Air Dan Pengendalian Pencemaran Air*.

Republik Indonesia, *Undang – Undang (UU) No 4 Tahun 1992 Pasal 1 (3) Perumahan dan Pemukiman*.

Republik Indonesia, *Undang – Undang (UU) Nomor 7 Tahun 2004 Tentang. Sumber Daya Air*.

Ronald, E. Wilcox, T. P. Harding, & D. R. Seely. (1973). Basic Wrench Tectonics. *AAPG Bulletin*; 57 (1): 74–96.

Rhoads, Bruce L. (2020). River Dynamics (Geomorphology to Support Management).

Chapter 7. The Shaping of Channel Geometry. 164–185.

Saaty, T. L. (1980). *The Analytic Hierarchy Process: Planning, Priority Setting, Resource Allocation*. RWS Publications, McGraw Hill. International, New York, Pittsburgh

_____. (1993). *Pengambilan Keputusan Bagi Para Pemimpin, Proses Hirarki Analitik untuk Pengambilan Keputusan dalam Situasi yang Kompleks*. Pustaka Binama Pressindo.

Saaty T. L, & Vargas L. G. (1991). *Prediction, Projection and Forecasting: Applications of The Analytic Hierarchy Process in Economics, Finance, Politics, Games, And Sports*. Kluwer Academic. Springer Netherlands.

Samapriya Roy (2021). *LULC 2022*. Impact Observatory for Esri.

Samodra, H. & Wiryo Sujono, S. (1993). Stratigraphy and tectonic history of the Eastern Southern Mountains, Jawa, Indonesia. *Journal Geologi dan Sumberdaya Mineral*, 3: 14-22.

Santosa, B., & Suprapto, H. (1998). *Dasar Mekanika Tanah*. Gunadarma.

Sari, C. P., Subiyanto, S. & Awaluddin, M. (2014). *Analisis Deforestasi Hutan Provinsi Jambi Menggunakan Metode Penginderaan Jauh (Studi Kasus Kabupaten Muaro Jambi)*. Geodesi Undip, pp. 18-19.

Satyana, A. H. (2007). Central Java, Indonesia, 1 “Terra Incognita” in Petroleum Exploration: New Consideration on The Tectonic Evolution and Petroleum Implication. *Proceeding Indonesia Petroleum Association, 31st Annual Convention*

Serra-Llobet, Anna., Sonja C. Jähnig, Juergen Geist, G. Mathias Kondolf, Christian Damm, Mathias Scholz, Jay Lund, Jeff J. Opperman, Sarah M. Yarnell, Anitra Pawley, Eileen Shader, John Cain1, Aude Zingraff-Hamed, Theodore E.

Grantham, William Eisenstein, & Rafael Schmitt. (2022). Restoring Rivers and Floodplains for Habitat and Flood Risk Reduction: Experiences in Multi-Benefit Floodplain Management from California and Germany. *Frontier in Environmental Science*: Australia.

Setyawan, A. R., E. Sutriyono, & S. N. Jati. (2019). Analisa Zona Rawan Bahaya Banjir Dengan Metode AHP Daerah Pagar Bukit Dan Sekitarnya, Kecamatan Bengkunat, Kabupaten Pesisir Barat. *Seminar Nasional AVoER XI 2019*. hal 9 – 18.

Shmueli, Galit. (2010). To Explain or to Predict?. *Statistical Science Journal*. Vol. 25, No. 3, 289–310.

Smith K.G. (1950). Standards for Grading Textures of Erosional Topography. *American Journal Science*. Vol. 48, pp. 655- 668.

Smyth, H. R., P. J. Hamilton, R. Hall, & P. D. Kinny. (2007). The deep crust beneath island arcs: Inherited zircons reveal a Gondwana continental fragment beneath East Java, Indonesia. *Earth and Planetary Science Letters*, 258, p. 269–282.

Soewarno. (1995). *Hidrologi Aplikasi Metode Statistik Untuk Analisa Data*. Bandung: Nova.

Soil Survey Division Staff. (1993). *Soil Survey Manual Soil Conservation Service*. U.S. Department of Agriculture Handbook 18

Sosrodarsono, & S., K. Takeda. (2003). *Hidrologi untuk Pengairan*. Editor: Sosrodarsono, S. Jakarta. Penerbit PT. Pradnya Paramita.

Sribudiyani, Muchsin, N., Ryacudu, R., Kunto, T., Astono, P., Prasetya, I., Sapiie, B., Asikin, S., Harsolumakso, A.H. dan Yulianto, I. (2003). The Collision of the East Java Microplate and Its Implication for Hydrocarbon Occurrences in the East Java Basin. *Proceeding of Indonesia Petroleum Association*. Jakarta.

- Sudarno, Ign. (1997). *Petunjuk Adanya Reaktifasi Sesar di Sekitar Aliran Sungai Opak, Perbukitan Jiwo dan Sisi Utara Kaki Pegunungan Selatan. Media Teknik, no. 1, Tahun XIX.*
- Suripin. (2002). *Pengelolaan Sumber Daya Tanah dan Air*. Andi. Yogyakarta.
- Surono, B. Toha, & Ign. Sudarno. (1992). *Peta Geologi Lembar Surakarta-Giritontro, Jawa*. Pusat Penelitian dan Pengembangan Geologi: Bandung.
- Surono, U. Hartono, & S. Permanadewi. (2006). Posisi stratigrafi dan petrogenesis Intrusi Pendul, Perbukitan Jiwo, Bayat, Kabupaten Klaten, Jawa Tengah. *Jurnal Sumber Daya Geologi, XVI (5), h.302-311*
- Surono. (2008b). Stratigrafi dan Sedimentasi Formasi Kebo dan Formasi Butak di Pegunungan Selatan Jawa Bagian Selatan. *Jurnal Geologi Indonesia Vol. 3 No. 4 Hal. 183-193*
- _____. (2009). Litostratigrafi Pegunungan Selatan Bagian Timur Daerah Istimewa Yogyakarta dan Jawa Tengah. *Jurnal Geologi Dan Sumberdaya Mineral, 19(3), 209-221.*
- Taylor, B. W. (2014). *Introduction to Management Science. 11th*. USA: Prentice Hall.
- Thornbury (1954) dalam Sutikno. (1990). *Geomorfologi Peranannya dalam Geografi Fisik dan Terapannya dalam Penelitian*. Bahan Ceramah Pengembangan Jurusan Geografi Fisik Fakultas Geografi Universitas Muhamadiyah Surakarta 13 Februari 1990.
- Triatmodjo, B. T. (2008). “*Hidrologi Terapan*”. Yogyakarta: Beta Offset.
- _____.(2010). *Hidrologi Terapan*. Yogyakarta. Beta Offset.
- Tundu, C., Tumbare, M. J. & Onema, J. K. (2018) Sedimentation and Its Impacts/Effects on River System and Reservoir Water Quality: case Study of Mazowe Catchment, Zimbabwe. Proc. IAHS, 377, 57–66.

United Kingdom Equality Act. (2010). *Fluvial Design Guide*. Environment Agency. UK.

United Nations Office for Disaster Risk Reduction (UNDRR). (2004). *Living with Risk: A Global Review of Disaster Reduction Initiatives*. Geneva: Switzerland.

Umiyatun, S., R. E. J. Kurniawan, B. Prastistho, dan Surnono. (2006). Studi Nannofosil Pada Satuan Batulempung Formasi Wungkal-Gamping Lintasan Watuprahu Bayat Klaten Jawa Tengah. *Proceedings Pit Iagi Riau 2006: The 35 th IAGI Annual Convention and Exhibition*.

United States Geological Survey. (2006). *FGDC Digital Cartographic Standard for Geologic Map Symbolization*. Federal Geographic Data Committee Secretariat & USGS: Virginia.

Verstappen, H. Th. (1983). *Applied Geomorphology: Geomorphological Surveys for Environmental Management*. Amsterdam: Elsevier.

Verstappen, H. Th., & Zuidam, R. A. V. (1968). *ITC Textbook of Photo-Interpretation*. ITC System of Geomorphological Survey.

_____. (1975). *ITC-system of Geomorphological Survey*. ITC Textbook of Photo-interpretation, vol. VII-2, 52 pp.

Wanielista, M, P. (1990). *Hydrology and Water Quality Control*. John Wiley Sons, Florida-USA.

West, Terry R. & Abdul Shakoor. (2018). *Geology Applied to Engineering. 2nd Edition*. Waveland Press, Incorporated.

Wisler, C. O., & Brater. (1959). *Hydrology*. New York: Wiley.

Wismarini, T.D. & Sukur, M. (2015). Penentuan tingkat kerentanan banjir secara geospasial. *Dinamik*, 20 (1).

Wobus, Cameron W., Gregory E. Tucker & Robert S. Anderson. *Modeling The Geometry of Bedrock River Channels*. Researchgate.

Wohl, Ellen, Stuart N. Lane, & Andrew C. Willcox. (2015). The science and practice of river restoration. *AGU Water Resources Research*: USA.

Zuidam, R. A. V. (1983). *Guide to Geomorphology Aerial Photographic Interpretation and Mapping*. ITC Enschede; The Netherlands

Zuidam, R. A. V., & F. I. V. Concelado. (1979). *Terrain Analysis and Classification Using Aerial Photography*. ITC. Enschede The Netherlands.

_____. (1985). *Arial Photointerpretation in Terrain Analysis and Geomorphologic Mapping*. Enschede: ITC