

## DAFTAR PUSTAKA

- Abdillah, A. (2018). Kajian Kerentanan Airtanah Terhadap Pencemar di Daerah Aliran Sungai Serang. *Skripsi*. Fakultas Geografi, Universitas Gadjah Mada.
- Adji, T.N., Afifudin, Haris, A.N., Indrastuti, A.N., Purwanto, D., Kintoro, F.S., Bagaskara, R.A., dan Astabella, R.D. (2022). Kajian Kerentanan Airtanah di Cekungan Airtanah (CAT) Wates Kabupaten Kulon Progo. *Media Komunikasi Geografi*, 23(1), hal: 25-43.
- Ahadiah, S.N. (2020). Kajian Kerentanan Airtanah Terhadap Pencemaran dengan Metode DRANTHVP di Cekungan Air Tanah Wates Kabupaten Kulon Progo. *Skripsi*. Fakultas Geografi, Universitas Gadjah Mada.
- Albuquerque, M. T. D., Sanz, G., Oliveira, S. F., Martínez-Alegría, R., & Antunes, I. M. H. R. (2013). Spatio-Temporal Groundwater Vulnerability Assessment - A Coupled Remote Sensing and GIS Approach for Historical Land Cover Reconstruction. *Water Resources Management*, 27(13), hal: 4509–4526.
- Anane, M., Abidi, B., Lachal, F., Limam, A., dan Jellali, S. (2013). GIS-based DRASTIC, Pesticide DRASTIC and the Susceptibility Index (SI): Comparative Study for Evaluation of Pollution. *Hydrogeology Journal*, 21, hal: 715-731.
- Appelo, C.A.J. dan Postma, D. (2005). *Geochemistry, Groundwater and Pollution*. 2nd Edition. Rotterdam: Balkema Publishers.
- Arifin, S., Mukhoriyah, Yudhatama, D. (2018). Analysis of Land Use Spatial Pattern Change of Town Development Using Remote Sensing. *International Journal of Remote Sensing and Earth Sciences*, 15(1), hal: 93-102.
- Arnell, N. (2014). *Hydrology and Global Environmental Change*. New York: Routledge.
- As-Syakur, A.R. (2011). Perubahan Penggunaan Lahan di Provinsi Bali. *Ecotrophic*, 6, hal: 1-14.
- BSN (Badan Standarisasi Nasional). 2002. Standar Nasional Indonesia (SNI) 19-6728.1-2002 *Tentang Penyusunan Sumberdaya Bagian 1 : Sumberdaya Air Spasial*. Jakarta : Badan Standarisasi Nasional.

- Baier, K., Schimz, K.-S., Azzam, R., dan Strohschön, R. (2014). Management Tools for Sustainable Ground Water Protection in Mega Urban Areas - Small Scale Land Use and Ground Water Vulnerability Analyses in Guangzhou, China. *International Journal of Environmental Research*, 8(2), hal: 249 - 262.
- Barbulescu, A. (2020). Assessing Groundwater Vulnerability: DRASTIC and DRASTIC-Like Methods: A Review. *Water*, 12(1356), hal: 1-22.
- Bartzas, G., Tinivella, F., Medini, L., Zaharaki, D., Komnitsas, K. (2015). Assessment of Groundwater Contamination Risk in an Agricultural Area in North Italy. *Information Processing in Agriculture*, 2(2), hal: 109 – 129.
- Boyd, C.E. (2014). *Water Quality: An Introduction*. 2nd Edition. New York: Springer.
- Dadashpoor, H., Azizi, P., dan Moghadasi, M. (2019). Land Use Change, Urbanization, and Change in Landscape Pattern in Metropolitan Area. *Science of the Total Environment*, 655, hal: 707-719.
- Darmanto, D. (2014). *Pencemaran Airtanah Studi Kasus Kawasan Sekitar Peternakan Ayam Wedomartani Sleman*. Yogyakarta: Deepublish.
- Davie, T. (2008). *Fundamentals of Hydrology*. 2nd Edition. London: Routledge.
- Deutsch, W.J. (1997). *Groundwater Geochemistry: Fundamentals and Applications to Contamination*. New York: Lewis Publisher.
- Fetter, C.W. (2000). *Applied Hydrogeology*. 4th Edition. Indiana: Charles E. Merrill Publishing Company.
- Foresta, H.d., Kusworo, A., Michon, G., dan Djatmiko, W.A. (2000). *Ketika Kebun Berupa Hutan: Agroforest Khas Indonesia, Sebuah Sumbangan Masyarakat*. Bogor: International Centre for Research in Agroforestry.
- Gaieb, S. dan Hamza, M.H. (2013). Assessing Vulnerability to Agricultural Pollution of Groundwater Bou Arada-Laroussa According to SI Method Applied by GIS. *Journal of Research in Environmental and Earth Sciences*, 10, hal: 309 - 317.
- Ghouili, N., Jarraya-Horriche, F., Hamzaoui-Azaza, F., Zaghrani, M.F., Ribeiro, L., dan Zammouri, M. (2021). Groundwater Vulnerability Mapping using the

- Susceptibility Index (SI) Method: Case Study of Takelsa Aquifer, Northeastern Tunisia. *Journal of African Earth Sciences*, 173, hal: 1-12.
- Hardjowigeno, S., Subagyo, H., dan Rayes, M.L. (2004). *Tanah Sawah dan Teknologi Penggunaannya*. Bogor: Balai Penelitian Tanah.
- Haidu, I., & Nistor, M. (2020). Groundwater Vulnerability Assessment in the Grand Est Region, France. *Quaternary International*, 547, hal: 86–100.
- Harter, T., Davis, H., Matthews, M., dan Meyer, R. (2001). Shallow Groundwater Quality on Dairy Farms with Irrigated Forage Crops. *Journal of Contaminant Hydrology*, 55, hal: 287-315.
- Hendrayana, H. dan Vicente, V.A.d.S. (2013). Cadangan Air Tanah Berdasarkan Geometri dan Konfigurasi Sistem Akuifer Cekungan Air Tanah Yogyakarta-Sleman. *Prosiding Seminar Nasional Kebumihan Ke-6*, 11-12 Desember 2013. Teknik Geologi, Universitas Gadjah Mada, Yogyakarta.
- Hiscock, K. dan Bense, V. (2014). *Hydrogeology: Principles and Practise*. Oxford: Wiley Blackwell.
- Irawan, D.E. dan Puradimaja, D.J. (2015). *Hidrogeologi Umum*. Bandung: Ombak.
- Isa, R.M. dan Suprayogi, S. (2017). Pengaruh Perubahan Penggunaan Lahan Terhadap Debit Puncak pada SubDAS Bedog Daerah Istimewa Yogyakarta. *Jurnal Bumi Indonesia*, 5(3), hal: 1-10.
- Kementerian Pekerjaan Umum dan Perumahan Rakyat. (2021, 26 Maret). *Tingkatkan Layanan Sanitasi, Kementerian PUPR Bangun Dua Sistem Pengolahan Air Limbah Domestik di Yogyakarta*. Daring. Diakses dari <https://pu.go.id/berita/tingkatkan-layanan-sanitasi-kementerian-pupr-bangun-dua-sistem-pengolahan-air-limbah-domestik-di-yogyakarta>, pada 21 September 2022, pukul 20:05.
- Knapp, B. (2002). *Elements of Geographical Hydrology*. London: Routledge.
- Kumar, S., Shwetankm dan Jain, K. (2020). A Multi-Temporal Landsat Data Analysis for Land-use/Land-cover Change in Haridwar Region using Remote Sensing Techniques. *Procedia Computer Science*, 171, hal: 1184-1193.
- Kusumaningrat, M.D., Subiyanto, S., dan Yuwono, B.D. (2017). Analisis Perubahan Penggunaan dan Pemanfaatan Lahan terhadap Rencana Tata

- Ruang Wilayah Tahun 2009 dan 2017. *Jurnal Geodesi Undip*, 6(4), hal: 443-452.
- Kwon, E., Park, J., Park, W-B., Kang, B.R., Hyeon, B-S., dan Woo, N.C. (2022). Nitrate Vulnerability of Groudnnwater in Jeju Volcanic Island, Korea. *Science of the Total Environment*, 807, hal: 1-11.
- Lillesand, T.M. dan Kiefer, R.W. (1994). *Penginderaan Jauh dan Interpretasi Citra*. Alih Bahasa: Dulbahri. Yogyakarta: Universitas Gadjah Mada Press.
- Liu, Y. dan Chen, Y. (2006). Impact of Population Growth and Land-Use Change on Water Resources and Ecosystems of the Arid Tarim River Basin in Western China. *International Journal of Sustainable Development and World Ecology*, 13, hal: 295-305.
- Liyanage, C.P. dan Yamada, K. (2017). Impact of Population Growth on the Water Quality of Natural Water Bodies. *Sustainability*, 9(1405), hal: 1-14.
- McDonald, M., dkk. (1984). *Greater Yogyakarta Groundwater Resources Study Volume 3*, Groundwater, Directorate General of Water Resources Development, Ministry of Public Works, Goverment of the Republic of Indonesia.
- Mhawish, Y.M. dan Saba, M. (2016). Impact of Population Growth on Land Use Changes in Wadi Ziqlab of Jordan between 1952 and 2008. *International Journal of Applied Sociology*, 6(1), hal: 7-14.
- Moench, M. (2002). Water and the Potential for Social Instability: Livelihoods, Migration and the Building of Society. *Natural Resources Forum*, 26, hal: 195-204.
- Neshat, A., Pradhan, B., dan Dadras, M. (2014). Groundwater Vulnerability Assessment Using an Improved DRASTIC Method in GIS. *Resources, Conservation, and Recycling*, 86, hal: 74-86.
- Ouedraogo, I., Girard, A., Vanclooster, M., & Jonard, F. (2020). Modelling the Temporal Dynamics of Groundwater Pollution Risks at the African Scale. *Water*, 12(5), hal: 1–16.

- Parsa, V.A., Yavari, A., dan Nejadi, A. (2016). Spatio-Temporal Analysis of Land Use/Land Cover Pattern Changes in Arasbaran Biosphere Reserve: Iran. *Modeling Earth System and Environment*, 2, hal: 1-13.
- Paul, S. dan Das, C.S. (2021). An Investigation of Groundwater Vulnerability in the North 24 Parganas District using DRASTIC and Hybrid-DRASTIC Models: A Case Study. *Environmental Advances*, 5, hal: 1-19.
- Prastoro, R.A. (2009). Tingkat Risiko Pencemaran Airtanah Bebas oleh Senyawa Nitrat di Kabupaten Bantul Provinsi Daerah Istimewa Yogyakarta Studi Kasus: Kecamatan Bantul dan Bangliwiro. *Tesis*. Program Studi Geo-Information for Spatial Planning and Risk Management, Program Pascasarjana, Universitas Gadjah Mada.
- Purnama, S. (2016). *Hidrologi Air Tanah*. Yogyakarta: Kanisius.
- Purnama, S. (2020). *Air Tanah dan Intrusi Air Laut*. Yogyakarta: Kanisius.
- Ribeiro, L., Pindo, J.C., dan Dominguez-Granda, L. (2017). Assessment of Groundwater Vulnerability in the Daule Aquifer, Ecuador using the Susceptibility Index Method. *Science of the Total Environment*, 574, hal: 1674-1683.
- Riyanto, I.A. (2016). Kerentanan Intrinsik dan Spesifik Airtanah Terhadap Pencemaran di Kecamatan Banjarnegara dan Sekitarnya. *Skripsi*. Fakultas Geografi, Universitas Gadjah Mada.
- Roser, M. (2013). *Future Population Growth*. Daring. Diakses dari <https://ourworldindata.org/future-population-growth>, pada 24 Agustus 2021, pukul 20:00.
- Roser, M., Ritchie, H., dan Ortiz-Ospina, E. (2013). *World Population Growth*. Daring. Diakses dari <https://ourworldindata.org/world-population-growth>, pada 28 Agustus 2021, pukul 17:00.
- Santosa, L.W. dan Adji, T.N. (2014). *Karakteristik Akuifer dan Potensi Airtanah Graben Bantul*. Yogyakarta: Universitas Gadjah Mada Press.
- Saputra, K.E.A. (2016). Studi Komparatif Prestasi Belajar Mahasiswa Jurusan Pendidikan Ekonomi Ditinjau dari Jalur Penerimaan Mahasiswa Baru Tahun 2011. *Jurnal Jurusan Pendidikan Ekonomi (JJPE)*, 6(1), hal: 1-10.

- Shirazi, S.M., Imran, H.M., Akib, S., Yusop, Z., dan Harun, Z.B. (2013). Groundwater Vulnerability Assessment in the Melaka State of Malaysia Using DRASTIC and GIS Techniques. *Environmental Earth Sciences*, 70, hal: 2293-2304.
- Soeharto, B. (2018). *Aliran Air Tanah*. Bandung: Institut Teknologi Bandung Press.
- Stigter, T.Y., Ribeiro, L., Dill, A.M.M.C. (2006). Evaluation of an Intrinsic and a Specific Vulnerability Assessment Method in Comparison with Groundwater Salinization and Nitrate Contamination Levels in Two Agricultural Regions in the South of Portugal. *Hydrogeology Journal*, 14, hal: 79-99.
- Sudarmadji. (2013). *Mata Air: Perspektif Hidrologis dan Lingkungan*. Yogyakarta: Sekolah Pascasarjana UGM.
- Suprayogi, S., Purnama, L.S., Darmanto, D. (2014). *Pengelolaan Daerah Aliran Sungai*. Yogyakarta: Universitas Gadjah Mada Press.
- Tanjung, A.A. dan Mulyani. (2021). *Metodologi Penelitian: Sederhana, Ringkas, Padat dan Mudah Dipahami*. Surabaya: Scopindo Media Pustaka.
- Tjatjo, N.T., Basir, M., dan Umar, H. (2015). Karakteristik Pola Agroforestri Masyarakat di Sekitar Hutan Desa Namo Kecamatan Kulawi Kabupaten Sigi. *Jurnal Sains dan Teknologi Tadulako*, 4(3), hal: 55-64.
- Todd, D.K. (2005). *Groundwater Hydrology*. 3rd Edition. Hoboken: John Wiley & Sons, Inc.
- Utami, N. D. (2019). Pemanfaatan Metode SINTACS untuk Mengkaji Kerentanan Airtanah terhadap Pencemaran di DAS Opak Hilir, Kabupaten Bantul. *Tesis*. Universitas Gadjah Mada.
- Vollset, S.E., Goren, E., Yuan, C-W., Cao, J., Smith, A.E., Hsiao, T., dkk. (2020). Fertility, Mortality, Migration, and Population Scenarios for 195 Countries and Territories from 2017 to 2100: A Forecasting Analysis for the Global Burden of Disease Study. *The Lancet*, 396(10258), hal: 1285-1306.
- Vrba, J. dan Zoporosec, A. (1994). *Guidebook on Mapping Groundwater Vulnerability*. Vol. 16. Hannover: International Association of Hydrogeologist.

- Vu, T. D., Ni, C. F., Li, W. C., & Truong, M. H. (2019). Modified Index-Overlay Method to Assess Spatial-Temporal Variations of Groundwater Vulnerability and Groundwater Contamination Risk in Areas with Variable Activities of Agriculture Developments. *Water*, 11(12), hal: 1-25.
- Wang, Y., Merkel, B.J., Li, Y., Ye, H., Fu, S., dan Ihm, D. (2007). Vulnerability of Groundwater in Quaternary Aquifers to Organic Contaminants: A Case Study in Wuhan City, China. *Environmental Geology*, 53, hal: 479-484.
- Wardi, I.N., Laksmiwati, I.A.A., Gunadi, I.G.A., As-Syakur, A.R. (2014). Dampak Pertumbuhan Penduduk terhadap Lingkungan dan Budaya Subak: Studi Kasus di Kabupaten Tabanan Provinsi Bali. *Jurnal Bumi Lestari*, 14(2), hal: 110-124.
- Widyastuti, M., Notosiswoyo, S., dan Anggayana, K. (2006). Pengembangan Metode "DRASTIC" untuk Prediksi Kerentanan Airtanah Bebas terhadap Pencemaran di Sleman. *Majalah Geografi Indonesia*, 20(1), hal: 32—51.
- Widyastuti, M., Nurfahmi, P., dan Riyanto, I.A. (2015). Potensi Airtanah Bebas dan Kerentanannya Terhadap Pencemaran di Kawasan Perkotaan Banjarnegara. *Seminar Nasional Geofisika (SNG) 2015*, 21 November 2015. Universitas Negeri Semarang.
- Wijaya, K.A. (2017). Kajian Kerentanan Airtanah Terhadap Potensi Pencemaran di Kecamatan Kasihan Kabupaten Bantul. *Skripsi*. Fakultas Geografi, Universitas Gadjah Mada.
- Yunus, S.H. (1994). *Theory and Model Structure of City Damages*. Yogyakarta: Fakultas Geografi UGM.
- Yunus, H.S. (2008). *Dinamika Wilayah Peri-Urban, Determinan Masa Depan Kota*. Yogyakarta: Pustaka Pelajar.