

DAFTAR PUSTAKA

- Abdillah, A. (2018). Kajian Kerentanan Airtanah Terhadap Pencemar di Daerah Aliran Sungai Serang. *Skripsi*. Yogyakarta: Fakultas Geografi, Universitas Gadjah Mada.
- Abduljaleel, Y., Amiri, M., Amen, E. M., Salem, A., Ali, Z. F., Awd, A., Lóczy, D., & Ghzal, M. (2024). Enhancing Groundwater Vulnerability Assessment for Improved Environmental Management: Addressing a Critical Environmental Concern. *Environmental Science and Pollution Research*, 31(13), 19185-19205.
- Alam, F., Umar, R., Ahmed, S., & Dar, F.A. (2014). A New Model (DRASTIC-LU) for Evaluating Groundwater Vulnerability in Parts of Central Ganga Plain, India. *Arab Journal Geoscience*, 7, 927-937.
- Aller, L., Bennet, T., Lehr, J.H., Petty, R.J., Hackett, G. (1987). *DRASTIC: A Standardized System for Evaluating Groundwater Pollution Potential Using Hydrogeological Settings*. Washington. DC: US Environmental Protection Agency.
- Alwathaf, Y., & El Mansouri, B. (2011). Assessment of Aquifer Vulnerability Based on GIS and ArcGIS Methods: A Case Study of the Sana'a Basin (Yemen). *Journal of Water Resource and Protection*, 3, 845-855.
- Amini, R.T., Siswoyo, H., & Hendrawan, A.P. (2024). Pemetaan Kerentanan Airtanah Terhadap Pencemaran Berdasarkan Metode DRASTIC di Kecamatan Mojoagung Kabupaten Jombang. *Journal of Sustainable Civil Engineering*, 6(1), 12-21.
- Anisati, D. K. (2023). Modernisasi Industrial Perdesaan di Tempuran Magelang 1990-2019. *Journal of Indonesian History*, 11(2), 64-74.
- Anisati, D. K. (2023). Modernisasi Industrial Perdesaan di Tempuran Magelang 1990-2019. *Journal of Indonesian History*, 11(2), 64-74.
- Arabia, T. (2009). Karakteristik tanah sawah pada toposekuen berbahan induk vulkanik di daerah Bogor – Jakarta. *Disertasi Doktor*. Program Pascasarjana, Institut Pertanian Bogor. Bogor.
- ARGOSS. (2001). Guidelines for Assessing the Risk to Groundwater from on-site Sanitation. *British Geological Survey Comissioned Report CR/01/142*, 103.
- Aribowo, K. (2022). Kerentanan Air Tanah Terhadap Pencemaran di Kecamatan Muntilan, Salam, dan Ngluwar, Kabupaten Magelang, Provinsi Jawa Tengah. *Tesis*. Yogyakarta: Magister Teknik Geologi, Universitas Gadjah Mada.
- Badan Pusat Statistik Kabupaten Magelang. (2022). *Statistik Potensi Desa Kabupaten Magelang 2021*. Magelang: Badan Pusat Statistik.

- Badan Pusat Statistik Kabupaten Magelang. (2025). *Kabupaten Magelang dalam Angka Tahun 2024*. Magelang: Badan Pusat Statistik.
- Badan Pusat Statistik Kabupaten Magelang. (2025). *Kecamatan Mertoyudan dalam Angka Tahun 2024*. Magelang: Badan Pusat Statistik.
- Badan Pusat Statistik Kabupaten Magelang. (2025). *Kecamatan Tempuran dalam Angka Tahun 2024*. Magelang: Badan Pusat Statistik.
- Bisri, M. (2012). *Studi Tentang Pendugaan Air Tanah, Sumur Air Tanah dan Upaya dalam Konservasi Air Tanah*. Malang: Universitas Brawijaya Press.
- Boufekane, Abdelmadjid. (2013). Assessment of groundwater pollution by nitrates using intrinsic vulnerability methods: A case study of the Nil valley groundwater (Jijel, North-East Algeria). *African Journal of Environmental Science and Technology*, 7(10), 949-960.
- Bouwer, H. (1978). *Groundwater Hydrology*. New York: McGraw-Hill Book Company.
- Busico, G., Kazakis, N., Colombani, N., Mastrocicco, M., Voudouris, K., & Tedesco, D. (2017). A Modified SINTACS Method for Groundwater Vulnerability and Pollution Risk Assessment in Highly Anthropized Regions Based on NO_3^- and SO_4^{2-} Concentrations. *Science of the Total Environment*, 609, 1512-1523.
- Cervantes-Servin, A.I., Arora, M., Peterson, T.J. *et al.* (2023). Seasonal Estimation of Groundwater Vulnerability. *Scientific Reports*, 13, 970.
- Chandra, T. O. (2017). Studi Perbandingan Pengukuran Konduktivitas Hidrolika Jenuh pada Tanaman Sawah Beririgasi. *Jurnal Pedotropika: Jurnal Ilmu Tanah dan Sumber Daya Lahan*, 2(1), 20-27.
- Chaudhary, I. J., Chauhan, R., Kale, S. S., Gosavi, S., Rathore, D., Dwivedi, V., Singh, S., & Yadav, V. K. (2025). Groundwater Nitrate Contamination and its Effect on Human Health: A Review. *Water Conservation Science and Engineering*, 10(1), 33.
- Chenini, I., Zghibi, A., & Kouzana, L. (2015). Hydrological Investigations and Groundwater Vulnerability Assessment and Mapping for Groundwater Resource Protection and Management: State of the Art and a Case Study. *Journal of African Earth Sciences*, 109, 11-26.
- Chorley, R.J. (1969). *Introduction to Physical Hydrology (1st ed.)*. London: Methuen & Co LTD.
- Civita, M. (1994). *Aquifer Vulnerability Maps to Pollution*. Bologna: Pitagora Editrice.
- Civita, M., & De Maio, M. (2004). Assessing and Mapping Groundwater Vulnerability to Contamination: The Italian Combined Approach. *Geofisica Internacional*, 43(4), 513-532.

- Civita, M.V. (2010). The Combined Approach When Assessing and Mapping Groundwater Vulnerability to Contamination. *Journal Water Resource and Protection*, 2, 14-28.
- Dafa, M. H., Solihah, N. I., Prabowo, Y., & Handziko, R. C. (2023). Penanganan Limbah Padat Produksi Kerupuk Rambak di Brontokan, Danurejo, Mertoyudan, Magelang. *Jurnal Pengabdian Masyarakat MIPA dan Pendidikan MIPA*, 7(2), 117-123.
- Djodjic, F., Bierozza, M., & Bergström, L. (2021). Land Use, Geology, and Soil Properties Control Nutrient Concentrations in Headwater Streams. *Science of the Total Environment*, 772, 145108.
- Easwer, V., Kolanuvada, S.R., Devarajan, T., Moorthy, P., Natarajan, L., Chokkalingam, L. & Roy, P.D. (2022). Vulnerability Mapping of the Paravanar Sub-basin Aquifer (Tamil Nadu, India) in SINTACS Model for Efficient Land Use Planning. *Environmental Research*, 204, 112069.
- Erlinawati, D., Putra, D.P.E., & Titisari, A. D. (2021). Nitrate in Groundwater of the West Side Magelang Regency, Central Java, Indonesia. *IOP Conf. Series: Earth and Environmental Science*, 926, 1-7.
- Ernawati, D. (2015). Pola Alih Fungsi Lahan Tahun 2006-2013 di Kawasan Peruntukan Industri Kecamatan Tempuran Kabupaten Magelang. *Tesis*. Yogyakarta: Magister Perencanaan Kota dan Daerah, Universitas Gadjah Mada.
- ESDM (2023). *Laporan Evaluasi CAT Magelang-Temanggung 2023*. Magelang: ESDM Cabang Merapi.
- ESDM RI. (2003). *Keputusan Menteri ESDM No. 716 K/40/MEM/2003 Tentang Batas Horizontal Cekungan Airtanah di Pulau Jawa dan Madura*. Jakarta: Kementerian ESDM.
- Fannakh, A., & Farsang, A. (2022). DRASTIC, GOD, and SI Approaches for Assessing Groundwater Vulnerability to Pollution: A Review. *Environmental Sciences Europe*, 34(1), 77.
- Fathmawati, F., Fachiroh, J., Sutomo, A. H., & Putra, D. P. E. (2018). Origin and distribution of nitrate in water well of settlement areas in Yogyakarta, Indonesia. *Environmental monitoring and assessment*, 190(11), 628.
- Fazal-ur-Rehman, M. (2019). Polluted water borne diseases: Symptoms, causes, treatment and prevention. *Journal of Medicinal and Chemical Sciences*, 2(1), 21-26.
- Febriarta, E., & Shofarini, D. I. (2021). Penilaian Zona Kerentanan Air Tanah Terhadap Pencemaran dengan Metode SINTACS di Ranai (Pulau Bunguran). *Jurnal Wilayah Dan Lingkungan*, 9(1), 34-49.
- Febriarta, E., Oktama, R., & Purnama, S. (2020). Analisis Daya Dukung Lingkungan Berbasis Jasa Ekosistem Penyediaan Pangan dan Air Bersih di

- Kabupaten Semarang. *Geomedia: Majalah Ilmiah dan Indormasi Kegeografian*, 18(1), 12-24.
- Foster, S., A. Lawrence, & Morris, B. (1998). *Groundwater in Urban Development: Assessing Management Needs and Formulating Policy Strategies*. Washington: The International Bank for Reconstruction and Development.
- Frind, E. O., Molson, J. W. & Rudolph, D. L. (2006). Well vulnerability: A Quantitative Approach for Source Water Protection. *Groundwater*, 44(5), 732–742.
- Gates, J.B., Edmunds, W.M., Ma, J., & Sheppard, P.R. (2008). A 700-year History of Groundwater Recharge in the Drylands of NW China. *The Holocene*, 18(7), 1045-1054.
- Gemitzi, A., Petalas, C., Tsihrintzis, V.A., Pisinaras, V. (2006). Assessment of Groundwater Vulnerability to Pollution: A Combination of GIS, Fuzzy Logic and Decision Making Techniques. *Environmental Geology*, 49, 653–673
- Gogu, R.C., & Dassargues, A. (2000). Current Trends and Future Challenges in Groundwater Vulnerability Assessment Using Overlay and Index Method. *Environmental Geology*, 39, 549-559.
- Hägg, K., & Pott, B. M. (2022). Filter Media for Basin Infiltration: A Case Study. *Water Practice & Technology*, 17(7), 1505-1514.
- Harter, T., & Walker, L.G. (2001). *Assessing Vulnerability of Groundwater*. California: Department of Land and Water Resources, University of California at Davis.
- Haryani, N. S. (2012). Analisis Tanah Longsor di Tenjolaya Menggunakan Data Penginderaan Jauh. *Jurnal Ilmiah Widya*, 318, 55-59.
- Herlambang, A. (1996). Kualitas Air Tanah Dangkal di Kabupaten Bekasi. *Disertasi*. Bogor: Program Pascasarjana, Institut Pertanian Bogor.
- Hidayat, A.P. (2024). Potensi Airtanah untuk Memenuhi Kebutuhan Air Domestik di Kecamatan Mertoyudan. *Skripsi*. Yogyakarta: Fakultas Geografi, Universitas Gadjah Mada.
- Hua, S., Jing, H., Yao, Y., Guo, Z., Lerner, D. N., Andrews, C. B., & Zheng, C. (2020). Can Groundwater be Protected from the Pressure of China's Urban Growth?. *Environment International*, 143, 105911.
- Huan, Wang, J. & Teng, Y. (2012). Assessment and Validation of Groundwater Vulnerability to Nitrate Based on Modified DRASTIC Model: A Case Study in Jilin City of Northeast China. *Science of the Total Environment*, 440, 14-23.
- Humas Jawa Tengah. (2020). *Diprotos Warga, Wagub Cek Langsung PT Sido Agung Farm*. Diakses dari

- https://humas.jatengprov.go.id/detail_berita_gubernur?id=3829 oleh Marselli Nabila Putri pada Tanggal 22 Oktober 2024 Pukul 11.02 WIB.
- Idir, S., Khemmoudj, K., & Bouali, H. (2024). Comparative analysis of groundwater vulnerability in the Oued Agrioun watershed, northeast Algeria: DRASTIC, GOD, and SINTACS approaches with ROC AUC validation. *Studies in Engineering and Exact Sciences*, 5(2), e11736-e11736.
- Igboama, W.N., Hammed, O.S., Fatoba, J.O., Aroyehun, M.T., & Ehiabhili, J.C. (2020). Review Article on Impact of Groundwater Contamination due to Dumpsites Using Geophysical and Physiochemical Method. *Applied Water Science*, 12(130), 1-14.
- Indartin, T. R., & Mujib, M. A. (2020). Penilaian Kerentanan dan Resiko Pencemaran Air Tanah di Wilayah Karst. *Jurnal Geografi UNESA*, 11(22).
- Irmawati, D., & Harsono, D. (2023). Manajemen Strategis Pengelolaan Sampah dalam Upaya Pembangunan Berkelanjutan oleh Dinas Lingkungan Hidup Kabupaten Magelang. *Journal of Public Policy and Administration Research*, 8(6), 1-19.
- Jamaa, H., Hamdouni, T. Achheb, A.E. & Namr, K.I. (2024). Assessment of Groundwater Vulnerability to Contamination Using the DRASTIC Model and GIS Functions in Doukkala Plain, Morocco. *Modeling Earth Systems and Environment*, 10, 1-17.
- Jana, I. W., Sudarmanto, I. G., & Rusminingsih, N. K. (2014). Pengaruh aktivitas pertanian terhadap kualitas air irigasi di Subak Tegalampit Payangan Gianyar. *Jurnal Skala Husada*, 11(1), 34-40.
- Jaunat J., Garel, E., Huneau, F., Erostate, M., Santoni, S., Robert, S., Fox, D., & Pasqualini, V. (2019). Combinations of Geoenvironmental Data Underline Coastal Aquifer Anthropogenic Nitrate Legacy through Groundwater Vulnerability Mapping Methods. *Science of The Total Environment*, 658, 1390–1403.
- Kesbangpol Kota Magelang. (2022). *Tindak Lanjut Aduan Kasus Pencemaran Sungai Gandekan*. Diakses dari <https://kesbangpol.magelangkota.go.id/berita/detail/539/dinas> oleh Marselli Nabila Putri pada Tanggal 22 Oktober 2024 Pukul 11.14 WIB.
- Krishan, G., Kumar, M., Rao, M. S., Garg, R., Yadav, B. K., Kansal, M. L., Singh, S., Bradley, A., Muste, M., & Sharma, L. M. (2023). Integrated Approach for the Investigation of Groundwater Quality through Hydrochemistry and Water Quality Index (WQI). *Urban Climate*, 47.

- Kumar, P. S. (2014). Evolution of Groundwater Chemistry in and Around Vaniyambadi Industrial Area: Differentiating the Natural and Anthropogenic Sources of Contamination. *Geochemistry*, 74(4), 641-651.
- Kumar, P., Bansod, B.K., Debnath, S.K., Thakur, P.K., & Ghanshyam, C. (2015). Index-based Groundwater Vulnerability Mapping Models Using Hydrological Settings: A Critical Evaluation. *Environmental Impact Assessment Review*, 51 38-49.
- Li, P., Karunanidhi, D., Subramani, T., & Srinivasamoorthy, K. (2021). Sources and Consequences of Groundwater Contamination. *Archives of Environmental Contamination and Toxicology*, 80, 1-10.
- Lin, L., Yang, H., & Xu, X. (2022). Effects of Water Pollution on Human Health and Disease Heterogeneity: a review. *Frontiers in environmental science*, 10, 880246.
- Listyani, R.A. (2020). Identifikasi Petrofisik Batuan sebagai Pendukung Karakteristik Hidrolik Akuifer pada Sub DAS Code, Yogyakarta. *Jurnal Geosapta*, 6(2), 103-109.
- Lobo Ferreira, J. P., & Oliveira, M. M. (2004). Groundwater vulnerability assessment in Portugal. *Geofisica Internacional*, 43(4), 541–550.
- Lynch S.D., Reynders A.G., Schulze R.E. (1994). *Preparing Input Data for a National-scale Groundwater Vulnerability Map of Southern Africa*. Document ESRI 94
- MacDonal, J.A., & Kavanaugh, M.C. (1994). Restoring Contaminated GroundwaterL An Achievable Goal?. *Environmental Science Technology*, 28, 362-368.
- Masetti, M., Poli, S., Sterlacchini, S. (2007). The Use of the Weights-of Evidence Modeling Technique to Estimate the Vulnerability of Groundwater to Nitrate Contamination. *Natural Resources Research*, 16, 109-119.
- Masitoh, F., & Saifanto, B. A. (2024). Pendugaan Kerentanan Airtanah Dangkal Terhadap Intrusi Airlaut Menggunakan Metode GALDIT di Kecamatan Sukolilo Kota Surabaya. *Buletin Oseanografi Marina*, 13(2), 153–165.
- Moges, S. S., & Dinka, M. O. (2022). Assessment of Groundwater Vulnerability Mapping Methods for Sustainable Water Resource Management: An Overview. *Journal of Water and Land Development*, 52, 186-198.
- Mohammad, A. H. (2017). Assessing the groundwater vulnerability in the upper aquifers of Zarqa River Basin, Jordan using DRASTIC, SINTACS and GOD methods. *International Journal of Water Resources and Environmental Engineering*, 9(2), 44-53.
- Morris, B., Lawrence, A., Chilton, P., Adams, B., Calow, R., & Klinck, B. (2003). *Groundwater and Its Susceptibility to Degradation: A Global Assessment*

- of the Problem and Options for Management*. Nairobi: United Nation Environment Programme.
- Mulyawan, I. (2020). Perencanaan Penanganan Limbah Kotoran Hewan Ternak Sapi di Kelurahan Cipari Kecamatan Cigugur. *Bunga Rampai Perencana Kuningan*, 2(1), 4-16.
- Munfiah, S., Nurjazuli, N., & Setiani, O. (2013). Kualitas Fisik dan Kimia Air Sumur Gali dan Sumur Bor di Wilayah Kerja Puskesmas Guntur II Kabupaten Demak. *Jurnal Kesehatan Lingkungan Indonesia*, 12(2), 154-159.
- Musekiwa, C., & Majola, K. (2013). Groundwater Vulnerability Map for South Africa. *South African Journal of Geomatics*, 2(2), 152-163.
- Mustanir, M. (2015). Pengaruh Pelebaran Jalan terhadap Pemanfaatan Ruang Koridor Jalan Mertoyudan Kabupaten Magelang. *Jurnal Pembangunan Wilayah & Kota*, 11(1), 42 – 51.
- Nainggolan, B.F.G., Paembonan, A.Y., & Farduwin, A. (2024). Penerapan Metode Vertical Electrical Sounding (VES) dalam Penentuan Kedalaman Akuifer di Kelurahan Sukarame. *Jurnal Geofisika Eksplorasi*, 10(1), 24-36.
- Notodarmojo, S. (2005). *Pencemaran Tanah dan Air Tanah*. Bandung: Penerbit ITB.
- Nugroho, A. A., Anggita, W., & Wahyudin, N. (2022). Pendampingan Masyarakat Sekitar Kawasan Hutan Produksi Kotawaringin Kabupaten Bangka. *Indonesian Journal of Dedication and Educations*, 1(2), 6-13.
- Nurhadi. (2002). *Rencana Tata Ruang Wilayah Perkotaan*. Bandung: Penerbit Tarsito.
- Oroji, B. (2019). Groundwater vulnerability assessment with using GIS in Hamadan–Bahar plain, Iran. *Applied Water Science*, 9(8), 1-13.
- Pahlepi, R., Dewi, A. S., Gaol, R. A. L., Kuswarak, K., Ahiruddin, A., Muzahit, Z., ... & Awalani, I. (2023). Upaya mengurangi penggunaan pupuk kimia melalui penyuluhan pentingnya penggunaan pupuk organik bagi Kelompok Wanita Tani (KWT) Mekar Jaya, Tanggamus. *Jurnal Abdi Masyarakat Saburai (JAMS)*, 4(2), 163-171.
- Patel, P., Metha, D., & Sharma, N. (2022). A Review on the Application of the DRASTIC Method in the Assessment of Groundwater Vulnerability. *Water Supply*, 22(5), 5190-5205.
- Pavlis, M., Cummins, E., McDonnel, K. 2010. Groundwater Vulnerability Assessment of Plant Protection Products: A review. Human and Ecological Risk Assessment: *An International Journal*, 16(3), 621–650
- Pemerintah Indonesia. (2007). *Undang-Undang Republik Indonesia Nomor 26 Tahun 2007 Tentang Penataan Ruang*. Jakarta: Sekretariat Negara.

- Pemerintah Indonesia. (2009). *Undang-Undang Republik Indonesia Nomor 32 Tahun 2009 Tentang Perlindungan dan Pengelolaan Lingkungan Hidup*. Jakarta: Sekretariat Negara.
- Pemerintah Indonesia. (2010). *Undang-Undang Republik Indonesia Nomor 11 Tahun 2010 Tentang Cagar Budaya*. Jakarta: Sekretariat Negara.
- Pemerintah Indonesia. (2011). *Peraturan Daerah Nomor 7 Tahun 2024 Tentang Rencana Tata Ruang Wilayah Kabupaten Magelang Tahun 2024-2044*. Jakarta: Sekretariat Negara.
- Pemerintah Indonesia. (2017). *Peraturan Pemerintah Republik Indonesia Nomor 13 Tahun 2017 Tentang Perubahan Atas Peraturan Pemerintah Nomor 26 Tahun 2008 Tentang Rencana Tata Ruang Wilayah Nasional*. Jakarta: Sekretariat Negara.
- Pemerintah Indonesia. (2021). *Peraturan Pemerintah Republik Indonesia Nomor 22 Tahun 2021 Tentang Penyelenggaraan Perlindungan dan Pengelolaan Lingkungan Hidup*. Jakarta: Sekretariat Negara.
- Pisciotta, A., Cusimano, G. & Favara, R. (2015). Groundwater Nitrate Risk Assessment Using Intrinsic Vulnerability Method: A Comparative Study of Environmental Impact by Intensive Farming in the Mediterranean Region of Sicily, Itali. *Journal of Geochemical Exploration*, 156, 89-100.
- Pius, A., Jerome, C., & Sharma, N. (2012). Evaluation of groundwater quality in and around Peenya industrial area of Bangalore, South India using GIS techniques. *Environmental monitoring and assessment*, 184(7), 4067-4077.
- Prasetyo, F. (2022). Analisis Status Mutu Air Tanah Dengan Parameter Cu, Mg, Ca, Dan Sulfat Pada Daerah Aliran Sungai Winongo Kota Yogyakarta. *Skripsi*. Yogyakarta: Fakultas Teknik Sipil dan Perencanaan, Universitas Islam Indonesia.
- Pratama, A.B., & Isnani, A.T. (2018). Evaluasi Berjalan Program Penyediaan Air Minum dan Sanitasi Berbasis Masyarakat. *Jurnal Ilmu Administrasi (JIA)*, 15(2), 148-162.
- Pratama, I. N., & Hidayatullah, H. (2023). Strategi dan kebijakan pemerintah dalam mengatasi masalah pencemaran air tanah. *Journal of Environmental Policy and Technology*, 1(2), 105-112.
- Pratiwi, I. N. T., Yushardi, Y., Kurnianto, F. A., Astutik, S., & Apriyanto, B. (2022). Evaluasi dan Sebaran Kualitas Air Tanah Berdasarkan Parameter Litologi, Tekstur Tanah, dan Limbah di Kecamatan Kaliwates Kabupaten Jember. *Majalah Pembelajaran Geografi*, 5(2), 82-102.
- Purnama, I. L. S., & Primacintya, V. A. (2020). Groundwater vulnerability assessment to pollution in Kasihan, Bantul Regency: A comparative method study (GOD, SINTACS and DRASTIC). In *E3S Web of Conferences* (Vol. 200, p. 02012). EDP Sciences.

- Purnama, S. (2010). *Hidrologi Airtanah*. Yogyakarta: Penerbit Kanisius.
- Purnama, S., & Cahyadi, A. (2019). Groundwater Vulnerability to Pollution in Kasihan District, Bantul Regency, Indonesia. *Forum Geography*, 33(2), 140-152.
- Putra, A. P., Kurniawan, A., & Budiani, S. R. (2019). Pengembangan Sentra Industri Kecamatan Tempuran Berdasarkan Indeks Spesialisasi dan Konsentrasi Spasial di Kabupaten Magelang. *Media Komunikasi Geografi*, 20(2), 115-127.
- Putra, D. P.E., Iqbal, M., Hendrayana, H., & Putranto, T. T. (2013). Assessment of Optimum Yield of Groundwater Withdrawal in the Yogyakarta City, Indonesia. *Journal of Applied Geology*, 5(1), 41-49.
- Putra, D.P.E. (2007). *The Impact of Urbanization in Groundwater Quality: A Case Study in Yogyakarta City*. Indonesia: Aachen.
- Putranto, T.T., Ali, R.K., Putro, A.B. (2019). Studi Kerentanan Airtanah Terhadap Pencemaran dengan Menggunakan Metode DRASTIC pada Cekungan Airtanah (CAT) Karanganyar-Boyolali, Provinsi Jawa Tengah. *Jurnal Ilmu Lingkungan*, 17(1), 158-171.
- Putranto, T.T., Widiarso, D.A., & Yuslihanu, F. (2016). Studi Kerentanan Air Tanah Terhadap Kontaminan Menggunakan Metode DRASTIC di Kota Pekalongan, *Jurnal Ilmiah Bidang Ilmu Kerekayasaan (TEKNIK)*, 37(1), 26-31.
- Ramadhan, F., Prasasti, F.D.R., & Adji, T. N. (2018). Kajian pencemaran airtanah di wilayah sekitar tpa piyungan, bantul, yogyakarta (Study of Groundwater Contamination near Piyungan Landfill, Bantul, Yogyakarta). *Pertemuan Ilmiah Tahunan Ke-3 Perhimpunan Ahli Air Tanah Indonesia (PIT-PAAI)*, 1-9.
- Rantika, I., Muhandi, & Perdhana, R. (2023). Estimasi Kedalaman Lapisan Akuifer Menggunakan Metode Vertical Electrical Sounding di Desa Sengkubang, Kecamatan Mempawah Hilir, Kabupaten Mempawah, Kalimantan Barat. *Bulletin of Geology*, 7(2), 1130-1143.
- Ratha, P., Nandalal, K. D. W., Weerakoon, S. B., Dharmagunawardhane, H. A., & Pitawala, H. M. T. G. A. (2019). Groundwater contamination due to nitrate in a coastal aquifer: conjecture and identification along the West Coast from Katana to Negombo, Sri Lanka. *International Journal of Engineering Research & Technology*, 8(6), 905-912.
- Rehman, A. (2008). A GIS Based DRASTIC Model for Assessing Groundwater Vulnerability in Shallow Aquifers in Aligarh, India. *Journal Applied Geography*, 28,(1), 32–53.

- Ribeiro, L., Pindo, J.C., Domiguez-Granda, L. (2017). Assessment of Groundwater Vulnerability in the Daule Aquifer, Ecuador, Using the Susceptibility Index Method. *Science Total Environment*, 574, 1674-1683.
- Riyanto, I.A., Cahyadi, A., Sismoyo, D., Ulfa, A., Fathoni, W.A., & Wicaksono, G.N. (2022). Geomorfologi Tanah pada Transisi Geologi Formasi Wonosari dan Nlanggran di Kecamatan Purwosari Gunungkidul Yogyakarta. *Jurnal Geografi, Edukasi dan Lingkungan (JGEL)*, 6(2), 74-86.
- Saadali, R. & Dadach, M. (2023). Comparative Study of the Vulnerability to Groundwater Pollution by the DRASTIC and SINTACS Methods on the Amizour plain (Béjaia, North Algeria). *Earth Sciences Research Journal*, 27(4), 381-389.
- Saalidong, B. M., Aram, S. A., Otu, S., & Lartey, P. O. (2022). Examining the Dynamics of the Relationship Between Water pH and other Water Quality Parameters in Ground and Surface Water Systems. *PloS one*, 17(1), 1-17.
- Sahu, I., Prasad, A. D., & Ahmad, I. (2022). Comparison of GIS-Based Intrinsic Groundwater Vulnerability Assessment Methods: DRASTIC and SINTACS. *Nature Environment and Pollution Technology*, 21(5), 2249–2258.
- Sajedi-Hosseini, F., Malekian, A., Choubin, B., Rahmati, O., Cipullo, S., Coulon, F., Pradhan, B. (2018). A Novel Machine Learning-Based Approach for the Risk Assessment of Nitrate Groundwater Contamination. *Science Total Environment*, 644, 954–962
- Sana, I. N. L. (2025). Strategi Pengelolaan Pariwisata Berkelanjutan untuk Mengurangi Dampak Lingkungan di Destinasi Wisata Alam Indonesia. *Mandalika Journal of Business and Management Studies*, 3(1), 24-36.
- Sari, I. R. I., Yudono, A. R. A., Wicaksono, A. P., Utami, A., & Widiarti, I. W. (2023). Analisa kualitas dan penentuan status mutu airtanah pada daerah aktivitas peternakan sapi di kalurahan kulwaru, kapanewon wates, kabupaten kulon progo, DIY. *Prosiding Seminar Nasional Teknik Lingkungan Kebumihan Satu Bumi*, 4(1). Yogyakarta: Fakultas Teknologi Mineral, Universitas Pembangunan Nasional “Veteran” Yogyakarta.
- Sartika, D. (2015). Kerentanan Airtanah Terhadap Pencemaran dan Implikasinya terhadap Rencana Tata Ruang Wilayah di Kota Banda Aceh, Provinsi Nanggroe Aceh Darussalam. *Tesis*. Yogyakarta: Magister Teknik Geologi, Universitas Gadjah Mada.
- Sartohadi, J., Suratman, Jamulya, & Dewi, N. I. S. (2014). *Pengantar Geografi Tanah*. Yogyakarta: Pustaka Belajar.

- Seizarwati, W., & Prasetya, D. (2019). Penentuan Jaringan Sumur Pantau Primer Dengan Metode Inverse Distance Weighting Di Cekungan Air Tanah Jakarta. *Jurnal Sumber Daya Air*, 15(2), 107-120.
- Şen, Z. (2014). *Practical and Applied Hydrogeology (1st ed.)*. Istanbul: Elsevier.
- Setyawan, S., & Ashari, A. (2017). Geomorfologi Lereng Barat Daya Gunungapi Merapi Kaitannya dengan Upaya Pengelolaan Lingkungan dan Kebencanaan. *Geomedia*, 15(1), 45-60.
- Shadiqi, I. F. (2025). Hubungan Indeks Kualitas Air Tanah dengan Jumlah dan Kepadatan Penduduk di Yogyakarta. *Skripsi*. Yogyakarta: Program Studi Teknik Lingkungan, Fakultas Teknik Sipil dan Perencanaan, Universitas Islam Indonesia.
- Sharma, M. K., & Kumar, M. (2020). Sulphate contamination in groundwater and its remediation: an overview. *Environmental Monitoring and Assessment*, 192(2), 74.
- Sidiropoulos, P. (2024). Groundwater Pollution: Sources, Mechanism, and Prevention. *Hydrology*, 11(7), 98.
- Subardja, D. (2007). Karakteristik dan Pengelolaan Tanah Masam dari Batuan Vulkanik untuk Pengembangan Jagung di Sukabumi, Jawa Barat. *Jurnal Tanah dan Iklim*, 1(25), 59-68.
- Subardja, D., Ritung, S., Anda, M., Sukarman, Suryani, E., & Subandiono, R. E. (2014). *Petunjuk Teknis Klasifikasi Tanah Nasional*. Balai Besar Penelitian dan Pengembangan Sumberdaya Lahan Pertanian. Bogor: Badan Penelitian dan Pengembangan Pertanian.
- Suhartawan, B., Suprihatin, H., Hammado, N., Yuniarti, E., Suyasa, W. B., Asnawi, I., & Toepak, E. P. (2023). *Pengelolaan Limbah Padat, Limbah Industry dan B3*. Padang: Get Press Indonesia.
- Sunarsih, E., Anggraini, A., Sanusi, A. A., Rosyada, A., Nurhaliza, A. W., Anggraini, J., & Putri, R. E. (2023). Analisis Menurunnya Kualitas Air Sumur Akibat Pembuangan Limbah Rumah Tangga Yang Tidak Tepat. *Environmental Science Journal (esjo): Jurnal Ilmu Lingkungan*, 68-76.
- Suryani, F., Gustina, E., Ulfah, M. (2022). Analisis Kualitas Fisik dan Risiko Kontaminasi Terhadap Kandungan Bakteriologis pada Sumur Gali di Wilayah Kerja Dinas Kesehatan OKU 2021. *Jurnal Kesehatan Saelmakers PERDANA (JKSP)*, 5(1), 85-96.
- Suwito, W., Winarti, E., & Tisnawati, N. A. A. (2014). Pencemaran Bakteri dalam Air Sumur di Sekitar Peternakan Sapi Potong di Yogyakarta. *Acta VETERINARIA Indonesiana*, 2(2), 43-48.

- Swardana, A., Tjahjono, B., & Barus, B. (2017). Studi Geomorfologi Kabupaten Kediri dan Pemetaan Bahaya dan Resiko Aliran Lahar Gunungapi Kelud. *Buletin Tanah dan Lahan*, 1(1), 8-16.
- Taghavi, N., Niven, R.K., Paull, D.J., & Kramer, M. (2022). Groundwater Vulnerability Assessment: A Review Including New Statistical and Hybrid Method. *Science of The Total Environment*, 822.
- Torres-Martínez, J. A., Mora, A., Knappett, P. S., Ornelas-Soto, N., & Mahlknecht, J. (2020). Tracking Nitrate and Sulfate Sources in Groundwater of an Urbanized Valley using a Multi-tracer Approach Combined with a Bayesian Isotope Mixing Model. *Water Research*, 182, 115962.
- Umar, R., Ahmed, I., Alam, F. (2009). Mapping Groundwater Vulnerable Zones Using Modified DRASTIC Approach of an Alluvial Aquifer in Parts of Central Ganga Plain, Western Uttar Pradesh. *Journal of the Geological Society of India* 73, 193–201
- Vrba, J. & Zaporozec, A. (1994). *Guidebook on Mapping Groundwater Vulnerability Vol 16*. Hannover: International Association of Hydrogeologist (International Contributions to Hydrogeology), Heise Publication.
- Wahyuningsih, S., & Saputra, A. (2022). Evaluasi Rencana Tata Ruang Wilayah (RTRW) berdasarkan Kerawanan Banjir di Kota Semarang. *Skripsi*. Sukoharjo: Program Studi Geografi, Fakultas Geografi, Universitas Muhammadiyah Surakarta.
- Widiyanti, B. L. (2019). Studi Kandungan Bakteri E. coli pada Airtanah (confined aquifer) di Permukiman Padat Penduduk Desa Dasan Lekong, Kecamatan Sukumulia. *Geodika: Jurnal Kajian Ilmu dan Pendidikan Geografi*, 3(1), 1-12.
- Wijaya, K. A., & Purnama, I. L. S. (2018). Kajian Kerentanan Airtanah Terhadap Potensi Pencemaran di Kecamatan Kasihan Kabupaten Bantul. *Jurnal Bumi Indonesia*, 7(1), 1-10.
- Worrall, F. & Kolpin, D. W. (2004). Aquifer Vulnerability to Pesticide Pollution—Combining Soil, Land-use and Aquifer Properties with Molecular Descriptors. *Journal of Hydrology*, 293 (1–4), 191–204.
- Yankey, R.K., Anornu, G.K., Osa, S.K., Ganyaglo, S.Y. (2021). Drastic Model Application to Groundwater Vulnerability Elucidation for Decision Making: The Case of South Western Coastal Basin, Ghana. *Modelling Earth System Environment*, 7(4), 2197–2213.
- Younger, P.L. (2007). *Groundwater in the Environment: An Introduction*. United Kingdom: Blackwell Publishing.