

DAFTAR PUSTAKA

- Badan Standarisasi Nasional. (2021). *SNI 8995:2021 Metode Pengambilan Contoh Uji Air Untuk Pengujian Fisika Dan Kimia*.
- Bramantya, Y. (2010). Kualitas Air tanah Sub DAS Code Kota Yogyakarta Pasca Erupsi Merapi. *Jurnal Bumi Indonesia*, 2(1).
- Bronto, S., Mulyaningsih, S., Hartono, G., dan Astuti, B. (2009). Waduk Parangjoho dan Songputri: Alternatif Sumber Erupsi Formasi Semilir di daerah Eromoko, Kabupaten Wonogiri, Jawa Tengah. *Indonesian Journal on Geoscience*, 4(2), 77-92. Doi: <https://doi.org/10.17014/ijog.4.2.77-92>
- Cahyadi, A., Haryono, E., dan Barianto, D. H. (2017). Hidrogeologi Kawasan Karst Gunungsewu: Panduan Lapangan Fieldtrip PAAI 2017.
- Capuano, R. M., dan Jones, C. R. (2020). Cation Exchange in Groundwater-Chemical Evolution and Prediction of Paleo-Groundwater Flow: A Natural-System Study. *Water Resource Research*, 56(8). Doi: <https://doi.org/10.1029/2019WR026318>
- Chow, V. T., Maidment, D. R., dan Mays, L. W. (1988). *Applied Hydrology*. McGraw-Hill, New York.
- Danaryanto, R. J. K., Hadipurwo, S., dan Sangkawati, S. (2008). *Manajemen Air Tanah Berbasis Cekungan Air Tanah*. Kementerian Energi dan Sumber Daya Mineral.
- Delkhahi, B., Nassery, H. R., Vilarrasa, V., Alijani, F., dan Ayora, C. (2020). Impacts Of Natural CO₂ Leakage on Groundwater Chemistry of Aquifers from the Hamadan Province Iran. *International Journal of Greenhouse Gas Control*, 96, 1-15. Doi: <https://doi.org/10.1016/j.ijggc.2020.103001>
- Dingman, S. L. (2015). *Physical Hydrology* (3rd ed.). Waveland Press.
- Djaeni, A. (1982). *Peta Hidrogeologi Indonesia Skala 1:250.000 Lembar Yogyakarta*. Direktorat Geologi Tata Lingkungan, Bandung.
- Eang, K. E., Igarashi, T., Kondo, M., Nakatani, T., Tabelin, C. B., dan Fujinaga, R. (2018). Groundwater Monitoring of an Open-Pit Limestone Quarry: Water-Rock Interaction and Mixing Estimation Within the Rock Layers by Geochemical and Statistical Analyses. *International Journal of Mining Science and Technology*, 28(6), 849-857. Doi: [10.1007/s10661-018-6561-2](https://doi.org/10.1007/s10661-018-6561-2)
- Ford, D., dan Williams, P. (2007). *Karst Hydrogeology and Geomorphology*. Wiley.
- Gao, S., Li, C., Liu, Y., Sun, B., Zhao, Z., Lv, M., dan Gang, S. (2023). Hydrogeochemical Characteristics and Evolution Processes of Karst Groundwater Affected by Multiple Influencing Factors in a Karst Spring Basin, Eastern China. *Water*, 15(22), 3899. <https://doi.org/10.3390/w15223899>

- Goldscheider, N., dan Drew, D. (2007). *Methods in Karst Hydrogeology: International Contributions to Hydrogeology*. London: Taylor & Francis.
- Goldscheider, N. (2015). Overview of Methods Applied in Karst Hydrogeology. *Hydrogeology Journal*, 23(6), 1191–1206. <https://doi.org/10.1007/s10040-015-1332-9>
- Guo, Y., Qin, D., Li, L., Sun, J., Li, F., dan Huang, J. (2019). A Complicated Karst Spring System: Identified by Karst Springs Using Water Level, Hydrogeochemical, And Isotopic Data in Jinan, China. *Water*, 11(5), 947. Doi: <https://doi.org/10.3390/w11050947>
- Haligamo, D. T., dan Aragaw, T. T. (2021). Shallow Groundwater Quality and Human Health Risk Assessment in Holte, a Town in Southern Ethiopia. *Ethiopian Journal of Water Science and Technology*, 4, 62-89. Doi: <https://doi.org/10.59122/xecb84310>
- Hartmann, A., Barberá, J. A., Lange, J., Andreo, B., & Weiler, M. (2013). Progress in the Hydrologic Simulation of Time Variant Recharge Areas of Karst Systems—Exemplified at a Karst Spring in Southern Spain. *Advances in Water Resources*, 54, 149-160. Doi: [10.1016/j.advwatres.2013.01.010](https://doi.org/10.1016/j.advwatres.2013.01.010)
- Hartmann, A., Goldscheider, N., Wagener, T., Lange, J., dan Weiler, M. (2014). Karst Water Resources in a Changing World: Review of Hydrological Modeling Approaches. *Reviews of Geophysics*, 52(3), 218-242. Doi: <https://doi.org/10.1002/2013RG000443>
- Hoaghia, M. A., Moldovan, A., Kovacs, E., Mirea, I. C., Kenesz, M., Brad, T., Cadar, O., Micle, V., Levei, E. A., dan Moldovan, O. T. (2021). Water Quality and Hydrogeochemical Characteristics of Some Karst Water Sources in Apuseni Mountains, Romania. *Water (Switzerland)*, 13(6), 857. Doi: <https://doi.org/10.3390/w13060857>
- Hossain, M. I., Alam, M. M., Tasnim, S. M., Chowdhury, T. A., Rahaman, M., Aldalbahi, A., dan Hasnat, M. A. (2025). Hydrogeochemical Investigation of the Groundwater Quality Controlling Processes Involved in North-Western Bangladesh Using Statistical Approaches. *Applied Water Science*, 15(7), 164. Doi: <https://doi.org/10.1007/s13201-025-02522-1>
- Katz, B. G., Coplen, T. B., & Bullen, T. D. (1998). Use of Chemical and Isotopic Tracers To Characterize the Interactions Between Groundwater and Surface Water in Mantled Karst. *Ground Water*, 36(6), 1014–1028.
- Kruseman, G.P., dan de Ridder, N.A. (1994). *Analysis and Evaluation of Pumping Test Data*, ILRI Publication, Netherlands.
- Kodoatie, R. J. (2012). *Tata Ruang Air Tanah*. Penerbit Andi.
- Lasagna, M., De Luca, D. A., Debernardi, L., & Clemente, P. (2013). Effect of the Dilution Process on the Attenuation of Contaminants in Aquifers. *Environmental Earth Sciences*, 70(6), 2767-2784. <https://doi.org/10.1007/s12665-013-2336-9>

- Li, X., Ke, T., Wang, Y., Zhou, T., Li, D., Tong, F., & Wen, J. (2020). Hydraulic Conductivity Behaviors of Karst Aquifer with Conduit-Fissure Geomaterials. *Frontiers in Earth Science*, 8, 30. Doi: <https://doi.org/10.3389/feart.2020.00030>
- Liu, F., Song, X. F., Yang, L., Zhang, Y., Han, D., Ma, Y., dan Bu, H. (2015). Identifying the Origin and Geochemical Evolution of Groundwater Using Hydrochemistry and Stable Isotopes in the Subei Lake basin, Ordos energy base, Northwestern China. *Hydrology and Earth System Sciences*, 19(1), 551-565. Doi: <https://doi.org/10.5194/hess-19-551-2015>
- Lerman, A., dan Mackenzie, F.T. (2018). Carbonate Minerals and the CO₂-Carbonic Acid System. In: White, W.M. (eds) *Encyclopedia of Geochemistry. Encyclopedia of Earth Sciences Series*. Springer, Cham, Switzerland. Doi: https://doi.org/10.1007/978-3-319-39312-4_84
- Lesmana, A., CSSSA, B. Y., dan Iskandarsyah, T. Y. W. M. (2021). Karakteristik Hidrokimia Air Tanah Pada Bagian Timur Cekungan Air Tanah Bandung–Soreang: Studi Kasus Sebagian Kecamatan Cicalengka Dan Kecamatan Cimanggung, Provinsi Jawa Barat. *Geoscience Journal*, 5(6), 546-561. Doi: <https://doi.org/10.24198/pgj.v5i6.38382>
- Majumder, R. K., & Shimada, J. (2019). Tracing Groundwater Flow Systems with Hydrogeochemistry in Bengal Delta Aquifers, Bangladesh. *Indian Journal of Science and Technology*, 12, 12. Doi: [10.17485/ijst/2019/v12i12/140862](https://doi.org/10.17485/ijst/2019/v12i12/140862)
- Marandi, A., dan Shand, P. (2018). Groundwater Chemistry and the Gibbs Diagram. *Applied Geochemistry*, 97, 209-212. Doi: <https://doi.org/10.1016/j.apgeochem.2018.07.009>
- Martosuwito, S., Samodra, H., dan Sidarto, S. (2013). Hubungan Lembah Sadeng, Cekungan Baturetno, Dan Teras Bengawan Solo, Jawa Bagian Tengah. *Jurnal Geologi dan Sumberdaya Mineral*, 23(3), 155-165.
- Maulana, A. N., Miftahussalam, dan Purnawati, D. I. (2019). Karakteristik Hidrogeokimia dan Implikasinya Terhadap Kualitas Air tanah Pada Desa Buaran, Kecamatan Mayong, Kabupaten Jepara, Provinsi Jawa Tengah. *Jurnal Teknomineral*, 1(2), 63-70. e-ISSN 2657-1129.
- Missi, C., dan Atekwana, E. A. (2020). Physical, Chemical, and Isotop Characteristics of Groundwater and Surface Water in the Lake Chilwa Basin, Malawi. *Journal of African Earth Science*, 162, 103737. Doi: <https://doi.org/10.1016/j.jafrearsci.2019.103737>
- Musa, O. K., Kudamnya, E. A., Omali, A. O., dan Akuh, T. I. (2014). Physico-Chemical Characteristics of Surface and Groundwater in Obajana and Its Environs in Kogi State, Central Nigeria. *African Journal of Environmental Science and Technology*, 8(9), 521-531. Doi: [10.5897/AJEST2014.1708](https://doi.org/10.5897/AJEST2014.1708)
- Oktavia, S. (2023). Karakteristik Hidrogeokimia Air Menggunakan Analisis Perbandingan Diagram Piper Dan Durov di Daerah Aliran Sungai Cikapundung. *Jurnal Tugas Akhir Tahun 2023*.

- Puttiwongrak, A., Keo, S., Vann, S., Arpornthip, T., Suteerasak, T., & Sukontasukkul, P. (2023). Geological and Climatic Factors Affecting the Correlation between Electrical Resistivity and SPT N-Value in Sandy Soils of Phuket, Thailand. *Geosciences*, 13(6), 185. Doi: <https://doi.org/10.3390/geosciences13060185>
- Putra, P. S., dan Yulianto, E. (2015). A Reinterpretation of the Baturetno Formation: Stratigraphic Study of the Baturetno Basin, Wonogiri, Central Java. *Indonesian Journal on Geoscience*, 2(3), 125-137. Doi: [10.17014/ijog.2.3.125-137](https://doi.org/10.17014/ijog.2.3.125-137)
- Putri, M. A. S., Hartanto, F. V., Fadilah, A. J., dan Putranto, T. T. (2023). Analisis Hidrogeokimia Air Tanah di Kabupaten Rembang Bagian Barat, Jawa Tengah, Indonesia. *Jurnal Geosains dan Teknologi*, 6(2), 73-89. Doi: <https://doi.org/10.14710/jgt.6.2.2023.73-89>
- Razi, M. H., Wilopo, W. & Putra, D. P. E. (2024). Hydrogeochemical Evolution and Water–Rock Interaction Processes in the Multilayer Volcanic Aquifer of Yogyakarta-Sleman Groundwater Basin, Indonesia. *Environmental Earth Sciences*, 83(6), 164. Doi: <https://doi.org/10.1007/s12665-024-11477-6>
- RA, T. L., dan Peni, S. N. (2020). Chemical Type Variation of Groundwater in Borobudur and Surroundings Area, Magelang District. *E3S Web of Conferences* (Vol. 202, p. 12005). EDP Sciences. Doi: [10.1051/e3sconf/202020212005](https://doi.org/10.1051/e3sconf/202020212005)
- Rekso, B. S., Asmaranto, R., dan Yuliani, E. (2024). Studi Potensi Air Tanah Dengan Metode Geolistrik Menggunakan Software IPI2WIN Dan Rockworks Di Desa Pangirolong, Siau Timur Selatan Kepulauan Sitaro, Sulawesi Utara. *Jurnal Teknologi dan Rekayasa Sumber Daya Air*, 4(1), 191-204. Doi: <https://doi.org/10.21776/ub.jtresda.2024.004.01.016>
- Rolia, E., & Surandono, A. (2018). Deteksi Keberadaan Akuifer Air Tanah Menggunakan Software Ip2win Dan Rockwork 2015 (Studi Kasus di Kecamatan Terbanggi Besar Lampung Tengah). *Jurnal Komposit: Jurnal Ilmu-Ilmu Teknik Sipil*, 2(2), 57–66. Doi: <https://doi.org/10.32832/komposit.v2i2.1552>
- Sampurna dan Samudra, H. (1997). *Peta Geologi Lembar Ponorogo, Jawa, Skala 1:100.000*. Puslitbang Geologi: Bandung.
- Su, H., Kang, W., Y., dan Wang, J. (2017). Assesment of Groundwater Quality and Health Risk in the Oil and Gas Field of Dingbian Country, Nourthwest China. *Exposure and Health*, 9(4), 227-242. Doi: <https://doi.org/10.1007/s12403-016-0234-6>
- Surono, S. (2009). Litostratigrafi Pegunungan Selatan Bagian Timur Daerah Istimewa Yogyakarta dan Jawa Tengah. *Jurnal Geologi Dan Sumberdaya Mineral*, 19(3), 209-221.
- Surono dan Puspa, M.A. (2007). *Formasi Semilir Di Pegunungan Selatan, Jawa Tengah Suatu Hasil Letusan Dahsyat Gunung Api Miosen*.

- Surono, Toha, B. dan Sudarno. 1992. *Peta Geologi Lembar Surakarta dan Giritontro, Jawa; Sekala 1:100.000*. Pusat Penelitian dan Pengembangan Geologi.
- Todd, D. K., & Mays, L. W. (2005). *Groundwater Hydrology* (3rd ed.). John Wiley & Sons
- Vinograd, N., dan Porowski, A. (2020). Application of Isotopic and Geochemical Studies to Explain the Origin and Formation of Mineral Waters of Staraya Russa Spa, NW Russia. *Environmental Earth Sciences*, 79(8), 183. doi: <https://doi.org/10.1007/s12665-020-08923-6>
- Wali, S. U., Usman, A. A., Usman, A. B., Abdullahi, U., Mohammed, I. U., & Hayatu, J. M. (2024). Impact of Geology on Hydrogeological and Hydrochemical Characteristics of Groundwater in Tropical Environments: a Narrative Review. *International Journal of Hydrology*, 8(6), 202-221. Doi: [10.15406/ijh.2024.08.00392](https://doi.org/10.15406/ijh.2024.08.00392)
- Widyastuti, S., dan Putranto, T. T. (2023). Analisis Hidrogeokimia dan Fasies Air Tanah di Kabupaten Rembang. *Media Komunikasi Geografi*, 24(1), 73-90. <https://doi.org/10.23887/mkg.v24i1.59394>
- Wiyono, Ruchimat, A., dan Purwaningsih, E. (2021). *Penyelidikan Air Tanah Daerah Karst Di Kabupaten Wonogiri Bagian Selatan, Provinsi Jawa Tengah*.
- Wuryanta, A. (2019). Zonasi Kerentanan Air Tanah Pada Bentang Alam Karst Dengan Sistem Informasi Geografis Sebagai Dasar Penyusunan Tata Ruang. In *Seminar Nasional Geomatika* (Vol. 3, pp. 209-216). Doi: [10.24895/SNG.2018.3-0.958](https://doi.org/10.24895/SNG.2018.3-0.958)
- Xiao, S., Fang, Y., Chen, J., Zou, Z., Gao, Y., Xu, P., Jiao, X., dan Ren, M. (2023). Assessing the Hydrochemistry, Groundwater Drinking Quality, and Possible Hazard to Human Health in Shizuishan Area, Northwest China. *Water*, 15(6), 1082. Doi: <https://doi.org/10.3390/w15061082>
- Xu, P., Li, M., Qian, H., Zhang, Q., Liu, F., dan Hou, K. (2019). Hydrochemistry And Geothermometry of Geothermal Water in the Central Guanzhong Basin, China: A Case Study in Xi'an. *Environmental Earth Sciences*, 78, 1-20. Doi: <https://doi.org/10.1007/s12665-019-8099-1>
- Yu, J., Jiao, Y., Yang, W., Yang, J., dan Liu, L. (2021). Hydrogeochemical Characterization of a Possible Carbon Sink from Shallow Saline-alkaline Groundwater in the Eastern Hetao Basin of Inner Mongolia in China. *Environmental science. Processes & impacts*, 23(2), 344–356. Doi: <https://doi.org/10.1039/d0em00415d>
- Zhang, X., Ma, Z., & Lu, H. (2018). Analysis of the Hydro-chemical Characteristics and Origin of the Karst Groundwater, East Jinan City. *Earth and Environmental Science*, 189(3). Doi: [10.1088/1755-1315/189/3/032061](https://doi.org/10.1088/1755-1315/189/3/032061)