

DAFTAR PUSTAKA

- Abdulrazzaq, Z. T., Al-Ansari, N., Aziz, N. A., Agbasi, O. E., & Etuk, S. E. (2020). Estimation of main aquifer parameters using geoelectric measurements to select the suitable wells locations in Bahr Al-Najaf depression, Iraq. *Groundwater for Sustainable Development*, 11, 100437.
- Akhtar, M.M., Tang, Z., dan Mohamadi, B. (2014). Contamination potential assessment of potable groundwater in Lahore, Pakistan. *Pol J Environ Stud* 23(6):1905–1916.
- Akinlalu, A. A., Mogaji, K. A., & Adebodun, T. S. (2021). Assessment of aquifer vulnerability using a developed “GODL” method (modified GOD model) in a schist belt environ, Southwestern Nigeria. *Environmental Monitoring and Assessment*, 193(4), 199.
- Aladeboyeje, A. I., Adenoye, T. T., & Agbasi, O. E. (2024). Assessment of groundwater vulnerability using GOD index and Dar Zarrouk parameters: A case study of OAUSTECH main campus, Okitipupa, Ondo State. *Results in Earth Sciences*, 2, 100036.
- Aladeboyeje, A. I., Coker, J. O., Agbasi, O. E., & Inyang, N. J. (2021). Integrated hydrogeophysical assessment of groundwater potential in the Ogun drainage basin, Nigeria. *International Journal of Energy and Water Resources*, 5(4), 461-475.
- Alfisyahrin, A. (2015). Analisa Keterdapatan Air Tanah Dengan Metode Geolistrik Pada Daerah Aroppo Kecamatan Tanete Rilau Kabupatten Barru Provinsi Sulawesi Selatan. *Teknik Geologi*, 1.
- Anonim. (2019). Identifikasi Potensi Air Tanah Di Jawa Tengah. Dinas ESDM Jateng
- Anonim. (2024). Penyusunan Zona Konservasi Air Tanah Cekungan Air Tanah Purwokerto-Purbalingga Tahun 2024. Tidak dipublikasi. PATGTL.
- Archie, G. E. (1942). The electrical resistivity log as an aid in determining some reservoir characteristics. *Transactions of the AIME*, 146(01), 54-62.
- Ariyo, S. O., Adeyemi, G. O., & Akintola, O. O. (2018). On the Dar-Zarrouk parameters and aquifer hydraulic conductivity determination: a case study of Ishara/Ode-Remo Geological transition zone, Southwestern Nigeria. *FULafia Journal of Science and Technology*, 4(1), 86-91.
- As'ari. (2009). Pemetaan Paleo- Morphology Abad VIII Di Kompleks Candi Prambanan Dengan Menggunakan Metode Geolistrik [Tesis]. FMIPA UGM. Yogyakarta

- Asikin, dkk. 1992, Peta Geologi Lembar Kebumen, Jawa, Bandung; Pusat Penelitian dan Pengembangan Geologi.
- Bisri, M. (2012). *Air Tanah*. Universitas Brawijaya Press.
- Bohling, G. (2005). Introduction to geostatistics and variogram analysis. *Kansas geological survey*, 1(10), 1-20.
- Broto, S., & Afifah, R. S. (2008). Pengolahan data geolistrik dengan metode Schlumberger. *Teknik*, 29(2), 120-128.
- Condon, dkk., 1975. Lembar Peta Geologi Lembar Banjarnegara dan Pekalongan, Jawa, Skala 1:100.000. P3G, Bandung.
- Cressie, N. (1990). The origins of kriging. *Mathematical geology*, 22, 239-252.
- de Oliveira Braga, A. C., & Francisco, R. F. (2014). Natural vulnerability assessment to contamination of unconfined aquifers by longitudinal conductance-(S) method. *Journal of Geography and Geology*, 6(4), 68.
- Dentith, M., & Mudge, S. T. (2014). *Geophysics for the mineral exploration geoscientist*. Cambridge University Press.
- Djuri, M, dkk. 1996, Peta Geologi Lembar Purwokerto dan Tegal, Bandung ; Pusat Penelitian dan Pengembangan Geologi.
- Effendi, A. T., 1985, Peta Hidrogeologi Indonesia Lembar Pekalongan, skala 1:250.000, Direktorat Geologi Tata Lingkungan, Bandung.
- Ejiogu, B. C., Opara, A. I., Nwosu, E. I., Nwofor, O. K., Onyema, J. C., & Chinaka, J. C. (2019). Estimates of aquifer geo-hydraulic and vulnerability characteristics of Imo State and environs, Southeastern Nigeria, using electrical conductivity data. *Environmental monitoring and assessment*, 191, 1-19.
- Evans, U. F., Abdulsalam, N. N., & Mallam, A. (2017). Natural vulnerability estimate of groundwater resources in the coastal area of Ibaka Community, using Dar Zarrouk geoelectrical parameters. *Journal of Geology & Geophysics*, 6(4), 1000295.
- Fannakh, A., & Farsang, A. (2022). DRASTIC, GOD, and SI approaches for assessing groundwater vulnerability to pollution: a review. *Environmental Sciences Europe*, 34(1), 77.
- Fitts, C. R. (2002). *Groundwater science*. Elsevier.
- Foster, S., Smedley, P., & Candela, L. (2002). Groundwater quality in the humid tropics: an overview. *Hydrology and water management in the humid tropics*, 443.

- George, N. J. (2021). Geo-electrically and hydrogeologically derived vulnerability assessments of aquifer resources in the hinterland of parts of Akwa Ibom State, Nigeria. *Solid earth sciences*, 6(2), 70-79.
- Habberjam, G. M. (1972) The effect of anisotropy on square array resistivity measurements. *Geophys Prospect* 20:249–266.
- Harter, T., & Walker, L. G. (2001). *Assessing vulnerability of groundwater* (Vol. 3). California.
- Henriet, J. P. (1976). Direct applications of the Dar Zarrouk parameters in ground water surveys. *Geophysical prospecting*, 24(2), 344-353.
- Ige, O. O., Obasaju, D. O., Baiyegunhi, C., Ogunsanwo, O., & Baiyegunhi, T. L. (2018). Evaluation of aquifer hydraulic characteristics using geoelectrical sounding, pumping and laboratory tests: A case study of Lokoja and Patti Formations, Southern Bida Basin, Nigeria. *Open Geosciences*, 10(1), 807-820.
- Isaaks, Edward H., and Srivastava, R. Mohan. (1989). *An Introduction to Applied Geostatistics*. Oxford, UK: Oxford University Press.
- Isife, F. A., & Obasi, R. A. (2012) Electrical anisotropy of crystalline basement/sediment rock around Ifon, South-Western Nigeria: implications in geologic mapping and groundwater investigation. *ARPN J Eng Appl Sci* 7:634–640.
- Jarwanto, J. (2019). Uji Pemompaan Air Tanah Metode Step Draw Down Untuk Mengetahui Debit Optimum Kemampuan Sumur Bor. *Innofarm: Jurnal Inovasi Pertanian*, 21(1), 49-54.
- Katyál, D., Tapasya, T., & Varun, J. (2017). Recent trends in groundwater vulnerability assessment techniques: A review. *Int J Appl Res*, 3(5), 646-655.
- KESDM (2019). Undang-Undang Republik Indonesia Nomor 17 Tahun 2019 Tentang Sumber Daya Air.
- KLHK (2020). Rencana Strategis Tahun 2020 – 2024.
- Krásný, J. (1993). Classification of transmissivity magnitude and variation. *Groundwater*, 31(2), 230-236.
- Kumar, P., Bansod, B. K., Debnath, S. K., Thakur, P. K., & Ghanshyam, C. (2015). Index-based groundwater vulnerability mapping models using hydrogeological settings: a critical evaluation. *Environmental Impact Assessment Review*, 51, 38-49.
- Loke, M. H. (1999). Electrical imaging surveys for environmental and engineering studies. *A practical guide to*, 2, 70.
- Loke, M. H. (2004). Tutorial: 2-D and 3-D electrical imaging surveys.

- Lowrie, W. (2007). *Fundamentals of Geophysics*, x+ 381 pp. Cambridge, New York, Melbourne: Cambridge University Press. Price£ 70.00, US 70.00 (paperback). ISBN 9780 521 85902 8; 9780 521 67596 3 (pb). *Geological Magazine*, 145(4), 601-602.
- Machiwal, D., Jha, M. K., Singh, V. P., & Mohan, C. (2018). Assessment and mapping of groundwater vulnerability to pollution: Current status and challenges. *Earth-Science Reviews*, 185, 901-927.
- Maliva, R. G. (2016). Aquifer characterization and properties. In *Aquifer Characterization Techniques: Schlumberger Methods in Water Resources Evaluation Series No. 4* (pp. 1-24). Cham: Springer International Publishing.
- McNeill, J. D. (1980). *Electrical Conductivity of Soils and Rocks*. GEONICS LIMITED.
- Nafez, H., Katia, H., & Samer, F. (2010). Calculation of transverse resistance to correct aquifer resistivity of groundwater for estimating its hydrogeological properties.
- National Research Council, Division on Earth, Life Studies, Commission on Geosciences, Resources, & Committee for Assessing Ground Water Vulnerability. (1993). *Ground water vulnerability assessment: Predicting relative contamination potential under conditions of uncertainty*. National Academies Press.
- Nemer, Z., Khaldou, F., Benaissa, Z., Belaroui, A., Tebbouche, M. Y., & Ydri, A. (2023). Hydrogeophysical investigation of aquifer parameters and seawater intrusion: A case study from Eastern Mitidja plain, Algeria. *Geomechanics and Geophysics for Geo-Energy and Geo-Resources*, 9(1), 60.
- Nguyet, V. T. M., & Goldscheider, N. (2006). A simplified methodology for mapping groundwater vulnerability and contamination risk, and its first application in a tropical karst area, Vietnam. *Hydrogeology Journal*, 14, 1666-1675.
- Niwas, S., & de Lima, O. A. (2003). Aquifer parameter estimation from surface resistivity data. *Groundwater*, 41(1), 94-99.
- Niwas, S., & Singhal, D. C. (1981). Estimation of aquifer transmissivity from Dar-Zarrouk parameters in porous media. *Journal of hydrology*, 50, 393-399.
- Niwas, S., Tezkan, B., & Israil, M. (2011). Aquifer hydraulic conductivity estimation from surface geoelectrical measurements for Krauthausen test site, Germany. *Hydrogeology Journal*, 19(2), 307-315.
- Obiora, D. N., Ibuot, J. C., & George, N. J. (2016). Evaluation of aquifer potential, geoelectric and hydraulic parameters in Ezza North, southeastern Nigeria,

using geoelectric sounding. *International journal of environmental science and technology*, 13, 435-444.

- Oladapo, M. I., Mohammed, M. Z., Adeoye, O. O., & Adetola, B. A. (2004). Geoelectrical investigation of the Ondo state housing corporation estate Ijapo Akure, Southwestern Nigeria. *Journal of mining and geology*, 40(1), 41-48.
- Olayiwola, O., Tokunbo, F., Bosede, O., Joel, A., & Ajibola, O. (2021). Geophysical assessment of groundwater vulnerability to diesel contamination at a telecommunication mast in adebayo area, Ado-Ekiti, Southwestern Nigeria. *Annal of Science and Technology*, 6(1).
- Oliver, M. A., & Webster, R. (1990). Kriging: a method of interpolation for geographical information systems. *International Journal of Geographical Information System*, 4(3), 313-332.
- Oni, T. E., Omosuyi, G. O., & Akinlalu, A. A. (2017). Groundwater vulnerability assessment using hydrogeologic and geoelectric layer susceptibility indexing at Igbara Oke, Southwestern Nigeria. *NRIAG Journal of Astronomy and Geophysics*, 6(2), 452-458.
- Opara, A. I., Eke, D. R., Onu, N. N., Ekwe, A. C., Akaolisa, C. Z., Okoli, A. E., & Inyang, G. E. (2021). Geo-hydraulic evaluation of aquifers of the Upper Imo River Basin, Southeastern Nigeria using Dar-Zarrouk parameters. *International Journal of Energy and Water Resources*, 5, 259-275.
- Poedjoprajitno, S. (2011). Peta Geomorfologi Pulau Jawa Dan Madura. Bandung: Pusat Surve Badan Geologi.
- Richts, A., & Vrba, J. (2016). Groundwater resources and hydroclimatic extremes: mapping global groundwater vulnerability to floods and droughts. *Environmental Earth Sciences*, 75, 1-15.
- Saaty, T. L. (1990). How to make a decision: the analytic hierarchy process. *European journal of operational research*, 48(1), 9-26.
- Salem, H. S. (1999) Determination of fluid transmissivity and electric transverse resistance for shallow aquifers and deep reservoirs from surface and well-log electric measurements. *Hydrol Earth Syst Sci* 3(3): 421–427.
- Sedana, D., & Tanauma, A. (2015). Pemetaan akuifer air tanah di jalan ringroad kelurahan malendeng dengan menggunakan metode geolistrik tahanan jenis. *Jurnal ilmiah sains*, 33-37.
- Sentosa, R. A. J. (2021). Pengolahan Data Sounding 1D Menggunakan Curve Matching Studi Kasus Identifikasi Air Tanah Di Universitas Jember.
- Shanov, S., Kostov, K., Shanov, S., & Kostov, K. (2015). Tectonic Stress Fields and Karst. *Dynamic Tectonics and Karst*, 7-71.

- Simpen, I.N. 2015. Solusi Permasalahan Sumur Bor versus Sumur Gali dengan Metoda Geolistrik dan Uji Pemompaan Sumur (Suatu Studi Kasus di Bugbug Karangasem Bali). Prosiding Seminar Nasional Sains dan Pembelajarannya. Malang: Jurusan Fisika Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Negeri Malang.
- Singh, U. K., Das, R. K., & Hodlur, G. K. (2004). Significance of Dar-Zarrouk parameters in the exploration of quality affected coastal aquifer systems. *Environmental Geology*, 45, 696-702.
- Slater, L. (2007). Near surface electrical characterization of hydraulic conductivity: From petrophysical properties to aquifer geometries—A review. *Surveys in Geophysics*, 28, 169-197.
- Snijders, A. L., & Drijver, B. C. (2016). Open-loop heat pump and thermal energy storage systems. In *Advances in ground-source heat pump systems* (pp. 247-268). Woodhead Publishing.
- Syukri, M. (2020). *Dasar-Dasar Metode Geolistrik*. Syiah Kuala University Press.
- Telford, W. M., Geldart, L. P., & Sheriff, R. E. (1990). *Applied geophysics*. Cambridge university press.
- Todd, D. K., & Mays, L. W. (2004). edition 3. Groundwater hydrology. Hoboken.
- Ungemach, P., Mostaghimi, F., & Duprat, A. (1969). Essais de determination du coefficient d'emmagasinement en nappe libre application a la nappe alluviale du Rhin. *Hydrological Sciences Journal*, 14(2), 169-190.
- Van Zuidam, R. A. (1983), Guide to Geomorphology Aerial Photographic Interpretation and Mapping, ITC, Enschede, The Netherlands.
- Vebrianto, S. (2016). *Eksplorasi metode geolistrik*. Universitas Brawijaya Press.
- Watson, K. A., & Barker, R. D. (1999) Differentiating anisotropy and lateral effects using azimuthal resistivity offset Wenner soundings. *Geophysics* 64(3): 1–7.