

Daftar Pustaka

- Adams, B., and Foster, S.S.D., 1992, Land-Surface Zoning for Groundwater Protection: Water and Environment Journal, v. 6, p. 312–319, doi:10.1111/j.1747-6593.1992.tb00755.x.
- Alfaro, C., and Wallace, M., 1994, Origin and classification of springs and historical review with current applications: Environmental Geology, v. 24, p. 112–124, doi:10.1007/BF00767884.
- Alzwar, M., Akbar, N., and Bachri, S., 1992, Peta Geologi Lembar Garut dan Pameungpeuk Skala 1:100.000: Bandung, Pusat Penelitian dan Pengembangan Geologi.
- Badan Informasi Geospasial Republik Indonesia, 2018, Digital Elevation Model Nasional (DEMNAS): Bogor, Jawa Barat, Badan Informasi Geospasial (BIG), <http://tanahair.indonesia.go.id>.
- Badan Penanggulangan Bencana Nasional, 2019, Katalog Desa/Kelurahan Rawan Kekeringan (Kelas Kerawanan Tinggi dan Sedang): Jakarta, 862 p.
- Bakosurtanal, 2001, Peta RBI lembar 1308-413 Singaparna skala 1:25.000: Jakarta, Bakosurtanal.
- Van Bemmelen, R.W., 1949, The Geology of Indonesia. General Geology of Indonesia and Adjacent Archipelagoes: Government Printing Office, The Hague, p. 545–547; 561–562.
- Black, W., 1966, Hydrochemical facies and ground-water flow patterns in Northern part of Atlantic Coastal Plain. Geological Survey Professional Paper 498-A. US Government Printing Office: Hydrology of Aquifer Systems, p. Page 1-50.
- BPS Kabupaten Tasikmalaya, 2022, Kabupaten Tasikmalaya dalam Angka (Tasikmalaya Regency in Figures) 2022: Kabupaten Tasikmalaya, BPS Kabupaten Tasikmalaya, 468 p.
- BPS Kota Tasikmalaya, 2022, Kota Tasikmalaya dalam Angka (Tasikmalaya Municipality in Figures) 2022: Kota Tasikmalaya, BPS Kota Tasikmalaya, 276 p.
- Brahmantyo, B., and Bandono, 2006, Klasifikasi Bentuk Muka Bumi (Landform) untuk Pemetaan Geomorfologi pada Skala 1:25.000 dan Aplikasinya untuk Penataan Ruang: Geoaplika, v. 1, p. 71–79.
- Bran, D.M., Tassone, A., Menichetti, M., Cerredo, M.E., Lozano, J.G., Lodolo, E., and Vilas, J.F., 2018, Shallow architecture of Fuegian Andes lineaments based on Electrical Resistivity Tomography (ERT). Evidences of transverse extensional

- faulting in the central Beagle Channel area: *Andean Geology*, v. 45, p. 1–34, doi:10.5027/andgeov45n1-3002.
- Bronto, S., 1989, Volcanic geology of Galunggung, West Java, Indonesia: University of Canterbury, 511 p., <http://ir.canterbury.ac.nz/handle/10092/5667>.
- Bryan, K., 1919, Classification of Springs: *The Journal of Geology*, v. 27, p. 522–561.
- Budhitrisona, 1986, Peta Geologi Lembar Tasikmalaya Skala 1:100.000: Bandung, Pusat Penelitian dan Pengembangan Geologi.
- Carey, M., 2009, Groundwater Source Protection Zones: Review of Methods: Environment Agency, Environment Agency Science Report Series, 103 p., <https://books.google.co.id/books?id=6DFfPgAACAAJ>.
- Clark, I., 2015, Groundwater Geochemistry and Isotopes: Boca Raton, CRC Press, 421 p., doi:10.1201/b18347.
- Clark, I., and Fritz, 1997, Environmental Isotopes in Hydrology: New York, Lewis Publishers, 312 p.
- Climate-Data.org Tasikmalaya Climate:, <https://en.climate-data.org/asia/indonesia/west-java/tasikmalaya-975258/> (accessed May 2022).
- Craig, H., 1961, Isotopic variations in meteoric waters: *Science*, v. 133, p. 1702–1703, doi:10.1126/science.133.3465.1702.
- Dansgaard, W., 1964, Stable Isotopes in Precipitation: *Tellus*, v. 23, p. 436–468, doi:10.1111/j.2153-3490.1964.tb00181.x.
- Davie, T., 2008, Fundamentals of Hydrology: New York, Routledge, 200 p.
- Dunne, T., and Leopold, L.B., 1978, Water in Environmental Planning: San Fransisco, W. H. Freeman, 821 p.
- Esri, 2022, Imagery [basemap]. Scale Not Given. World Imagery:, <https://www.arcgis.com/home/item.html?id=10df2279f9684e4a9f6a7f08febac2a9>.
- Fetter, C.W., 2014, Applied Hydrogeology: Harlow, Essex, Pearson, 610 p.
- Fotouhi, F., and Kresic, N., 2010, Springwater Treatment, *in* Groundwater Hydrology of Springs, Butterworth-Heinemann, Elsevier Inc., p. 269–304, doi:10.1016/B978-1-85617-502-9.00007-4.
- Freeze, R.A., and Cherry, J.A., 1979, Groundwater: Prentice Hall.
- Gat, J.R., 1971, Comments on the Stable Isotope Method in Regional Groundwater Investigations: *Water Resources Research*, v. 7, p. 980–993,

doi:10.1029/WR007i004p00980.

- Goldscheider, N., 2010, Delineation of Spring Protection Zones, *in* Groundwater Hydrology of Springs, Butterworth-Heinemann, Elsevier Inc., p. 305–338, doi:10.1016/B978-1-85617-502-9.00008-6.
- Harou, J.J., and Lund, J.R., 2008, Ending groundwater overdraft in hydrologic-economic systems: , p. 1039–1055, doi:10.1007/s10040-008-0300-7.
- Healy, R.W., 2010, Estimating Groundwater Recharge: Cambridge, Cambridge University Press, 245 p.
- Hem, J.D., 1985, Study and Interpretation of The Chemical Characteristics of Natural Water: USGS.
- Hendrasto, F., 2005, Penentuan Daerah Resapan Sistem Panasbumi Gunung Wayang Windu, Jawa Barat: Institut Teknologi Bandung.
- Hendrayana, H., 2013, Hidrogeologi mata air: Yogyakarta, Universitas Gadjah Mada, 8 p.
- Hendrayana, H., and Putra, D.P.E., 2008, Konservasi Airtanah - Sebuah Pemikiran: Universitas Gadjah Mada, 1–78 p., doi:10.13140/RG.2.1.3333.2643.
- Husna, A., 2016, Geologi dan Potensi Geotermal Gunungapi Galunggung, Kabupaten Tasikmalaya, Jawa Barat: Institut Teknologi Bandung, <https://digilib.itb.ac.id/index.php/gdl/view/24896>.
- Hussain, Y., Campos, J.E.G., Borges, W.R., Uagoda, R.E.S., Hamza, O., and Havenith, H.B., 2022, Hydrogeophysical Characterization of Fractured Aquifers for Groundwater Exploration in the Federal District of Brazil: Applied Sciences (Switzerland), v. 12, doi:10.3390/app12052509.
- Kastowo, and Suwarna, N., 1996, Peta Geologi Lembar Majenang Skala 1:100.000: Bandung, Pusat Penelitian dan Pengembangan Geologi.
- Kendall, C., and Caldwell, E.A., 1998, Fundamentals of Isotope Geochemistry: Elsevier B.V., 51–86 p., doi:10.1016/b978-0-444-81546-0.50009-4.
- Kharisma, H.L., Budhie, A., and Wilopo, W., 2015, Aplikasi Isotop Alam untuk Mengetahui Asal-Usul Air Umbul Cokro, Kecamatan Tulung, Kabupaten Klaten: Forum Teknik, v. 36, p. 73–80.
- Köppen, W.P., 1936, Das geographische System der Klimate, Handbuch der Klimatologie [The Geographical System of the Climate, Handbook of Climatology]: Berlin, Gebrüder Borntraeger, 44 p., doi:10.2307/200498.

- Kresic, N., 2009, *Groundwater Resources: Sustainability, Management and Restoration*: New York, McGraw-Hill.
- Kresic, N., and Stevanovic, Z., 2010, *Groundwater Hydrology of Springs*: Burlington USA, Elsevier Inc., 567 p.
- Krishnamurthy, R. V, and Bhattacharya, S.K., 1991, Stable oxygen and hydrogen isotope ratios in shallow ground waters from India and a study of the role of evapotranspiration in the Indian monsoon: *Stable Isotope Geochemistry: A tribute to Samuel Epstein*, Spec. Publ, v. 3, p. 187–203.
- Lachassagne, P., 2021, What Is Groundwater? How to Manage and Protect Groundwater Resources: *Annals of Nutrition and Metabolism*, v. 76, p. 17–24, doi:10.1159/000515024.
- Loke, M.H., 2004, *Tutorial: 2-D and 3-D Electrical Imaging Surveys*, 2004 Revised Edition: , p. 136.
- Marshall, C.P., and Fairbridge, R.W., 1999, *Encyclopedia of Geochemistry*: Dordrecht, The Netherlands, Kluwer Academic, 712 p.
- Mazor, E., 2004, *Chemical and Isotopic Groundwater Hydrology*: New York, Marcel Dekker, 453 p.
- Meinzer, O.E., 1923, *Outline of Ground-Water Hydrology, with definitions*: U.S. Govt. Print. Off.
- Moran, T., Choy, J., Sanchez, C., and McGhee, G. The Hidden Costs of Groundwater Overdraft:, <https://waterinthewest.stanford.edu/groundwater/overdraft/> (accessed December 2021).
- Mulyanto, B., 1999, Morphological, Physical, and Chemical Characteristics of Some Volcanic Soils of Mt. Galunggung: *Jurnal Ilmu Lingkungan*, v. 2, p. 25–32.
- Peel, M.C., Finlayson, B.L., and McMahon, T.A., 2007, Updated World Map of The Köppen-Geiger Climate Classification: *Hydrology and Earth System Sciences*, v. 11, p. 1633–1644, doi:10.1002/ppp.421.
- Pemerintah Kabupaten Tasikmalaya, 2019, *Laporan Akhir Pemutakhiran Dokumen Rencana Induk Sistem Penyediaan Air Minum (RISPAM) Kabupaten Tasikmalaya*..
- Piper, A.M., 1944, A Graphic Procedure in The Geochemical Interpretation of Water-Analyses: *American Geophysical Union*, p. 914–928, doi:10.1029/TR025i006p00914.
- Ponce, V.M., and Hawkins, R.H., 1996, Runoff Curve Number: Has It Reached Maturity? *Journal of Hydrologic Engineering*, v. 1, p. 11–19, doi:10.1061/(asce)1084-

0699(1996)1:1(11).

- Prabowo, L.A., 2020, Identifikasi Struktur Permeabel dan Sumber Panas di Wilayah Kerja Panas Bumi Gunung Galunggung dan Konektivitas Sumber Panasnya Terhadap WKP Karaha - Cakrabuana dengan Menggunakan Data Gravitasi: Universitas Gadjah Mada, 132 p.
- Pratikno, B., and Satrio, 2014, Studi Garis Air Meteorik (Meteoric Water Line) Beberapa Wilayah di Indonesia dengan Metode Isotop Stabil, *in* Seminar Nasional Geologi untuk Meningkatkan Kesejahteraan Masyarakat, Bandung, Fakultas Teknik Geologi Universitas Padjajaran.
- Pusat Vulkanologi dan Mitigasi Bencana Geologi Data Dasar Gunungapi Indonesia - G. Galunggung (Volcano Database of Indonesia - Galunggung):, <https://vsi.esdm.go.id/index.php/gunungapi/data-dasar-gunungapi/523-g-galunggung> (accessed May 2022).
- Qureshi, A.S., McCornick, P.G., Sarwar, A., and Sharma, B.R., 2010, Challenges and Prospects of Sustainable Groundwater Management in the Indus Basin, Pakistan: Water Resources Management, v. 24, p. 1551–1569, doi:10.1007/s11269-009-9513-3.
- Ramadhan, Q.S., Sianipar, J.Y., and Pratopo, A.K., 2016, Volcanostratigraphic Approach for Evaluation of Geothermal Potential in Galunggung Volcano: IOP Conference Series: Earth and Environmental Science, v. 42, p. 8, doi:10.1088/1755-1315/42/1/012028.
- Revil, A. et al., 2011, Hydrogeology of Stromboli volcano, Aeolian Islands (Italy) from the interpretation of resistivity tomograms, self-potential, soil temperature and soil CO₂ concentration measurements: Geophysical Journal International, v. 186, p. 1078–1094, doi:10.1111/j.1365-246X.2011.05112.x.
- Rozanski, K., Araguás-Araguás, L., and Gonfiantini, R., 1993, Isotopic Patterns in Modern Global Precipitation: , p. 1–36, doi:10.1029/gm078p0001.
- Rushton, K.R., and Ward, C., 1979, The estimation of groundwater recharge: Journal of Hydrology, v. 41, p. 345–361, doi:10.1016/0022-1694(79)90070-2.
- Scanlon, B.R., Healy, R.W., and Cook, P.G., 2002, Choosing appropriate techniques for quantifying groundwater recharge: Hydrogeology Journal, v. 10, p. 18–39, doi:10.1007/s10040-001-0176-2.
- Schoeller, H., 1954, Arid Zone Hydrology - Recent Developments: Paris, UNESCO.
- Seizarwati, W., 2013, Penyebab Penurunan Debit Mataair Umbulan: Institut Teknologi Bandung.



- Setiawan, O., 2019, Zoning of Spring Conservation Areas Based on Morphology and Surface Material on the Southern Slope of Rinjani Volcano, Lombok: Universitas Gadjah Mada.
- Setiawan, I., and Rohmat, D., 2011, Zonasi Fisiomorfohidro Di Jawa Barat Dengan Menggunakan Aplikasi Sig: Gea, v. 11, p. 36–49, doi:10.17509/gea.v11i1.1648.
- Singhal, B.B.S., and Gupta, R.P., 2010, Applied Hydrogeology of Fractured Rocks: Germany, Springer Netherlands, 408 p., doi:10.1007/978-90-481-8799-7.
- Singhal, B.B.S., and Gupta, R.P., 2019, Applied Hydrogeology of Fractured Rocks: v. 1, 105–112 p.
- Soetrisno, 1983, Peta Hidrogeologi Indonesia Lembar Bandung Skala 1:250.000: Bandung, Direktorat Geologi Tata Lingkungan.
- Sonntag, C., Münnich, K.O., Jacob, H., and Rozanski, K., 1983, Variations of Deuterium and Oxygen-18 in Continental Precipitation and Groundwater, and Their Causes, *in* Street-Perrott, A., Beran, M., Ratcliffe, R. (eds) Variations in the Global Water Budget, Dordrecht, Springer, p. 107–124, doi:10.1007/978-94-009-6954-4_7.
- Springer, A.E., Stevens, L.E., Anderson, D.E., Parnell, R.A., Kreamer, D.K., Levin, L., and Flora, S.P., 2004, A comprehensive springs classification system: integrating geomorphic, hydrogeochemical and ecological criteria: Arid land springs in North America: ecology and conservation, p. 49–75.
- Sunarwan, B., Kamal, N., and Luthfi, M., 2015, Identifikasi Parameter Fisika dan Kimia Airtanah pada Akifer Endapan Gunung Api (Studi Kasus : Cekungan Airtanah Bandung): Jurnal Teknik, v. 16, p. 53–69.
- Syauqi, A.A., 2022, Karakteristik Morfologi dan Distribusi Perbukitan Hummocky Produk Sector Collapse Gunung Galunggung: Universitas Gadjah Mada, 144 p.
- Telford, W.M., Geldart, L.P., and Sheriff, R.E., 1990, Applied Geophysics: New York, University of Cambridge, 744 p.
- Thornthwaite, C.W., and Mather, J.R., 1957, Instructions and tables for computing potential evapotranspiration and the water balance, *in* Thornthwaite, C.W. and Mather, J.R. eds., Publication in Climatology, Centerton, New Jersey, Laboratory of Climatology, Drexel Institute of Technology, v. X, p. 185–311.
- Todd, D.K., and Mays, L.W., 2005, Groundwater Hydrology: Hoboken, John Wiley & Sons, Inc., 636 p.
- Toth, J., 1999, Groundwater as A Geologic Agent: An overview of the causes, processes, and manifestations: Hydrogeology Journal, v. 7, p. 1–14.

- Toulier, A., 2019, Multidisciplinary study for the characterization of volcanic aquifers hydrogeological functioning: case of Bromo-Tengger volcano (East Java, Indonesia): Université Montpellier, 272 p.
- Trček, B., and Zojer, H., 2010, Recharge of Springs, *in* Groundwater Hydrology of Springs, Butterworth-Heinemann, Elsevier Inc., p. 87–127, doi:10.1016/B978-1-85617-502-9.00003-7.
- United Nations, 2022, Groundwater: Making the invisible visible, *in* The United Nations World Water Development Report 2022, Paris, UNESCO, p. 246, doi:10.1515/9780822394105-005.
- United States Department of Agriculture, 1987, USDA Textural Soil Classification: Soil Mechanics Level I Module 3 - USDA Textural Soil Classification, p. 1–53.
- USDA, 2004a, Estimation of Direct Runoff from Storm Rainfall, *in* National Engineering Handbook, Washington DC, USDA.
- USDA, 2004b, Hydrologic Soil-Cover Complexes, *in* Part 630 Hydrology National Engineering Handbook, Washington DC, United States Department of Agriculture, p. 9- i-9–14.
- Weight, W.D., 2008, Hydrogeology Field Manual: United States of America, McGraw-Hill, 751 p., doi:10.1036/0071477497.
- White, W.B., 2010, Springwater Geochemistry, *in* Groundwater Hydrology of Springs, Butterworth-Heinemann, Elsevier Inc., p. 231–268, doi:10.1016/B978-1-85617-502-9.00006-2.
- World Health Organization, 2011, Guidelines for Drinking-water Quality: Geneva, Switzerland, World Health Organization, 541 p.
- World Health Organization, 2008, Guidelines for Drinking-Water Quality: Geneva, World Health Organization, v. I, 515 p.
- Wright, E.P., 1984, Drilling for Groundwater in The Pacific in Water Resources of Small Island, *in* Tech. Proc. (Part 2) of the Regional Workshop on Water Resources of Small Island, London, CSC, p. 525–29.
- Zaporozec, A., 1972, Graphical Interpretation of Water Quality Data: Groundwater, v. 10, p. 32–43, doi:10.1111/j.1745-6584.1972.tb02912.x.
- Van Zuidam, R.A., 1983, Guide to Geomorphologic Aerial Photographic Interpretation & Mapping: Netherlands, International Institute for Aerial Survey and Earth Sciences (ITC), 325 p.