

DAFTAR PUSTAKA

- Adji, T. N., & Widyastuti, M. (2005). Application of Inverse Modeling Technique to Describe Hydrogeochemical Processes Responsible to Spatial Distribution of Groundwater Quality Along Flowpath. *Indonesian Journal of Geography*, 37(2).
- Alley, W. M., Winter, T. C., Harvey, J. W., & Franke, O. L. (1998). Ground water and surface water: A single resource. *USGS Publications*, 79.
- Apodaca, L. E., Jeffrey, B. B., & Michelle, C. S. (2002). Water Quality in Shallow Alluvial Aquifers, Upper Colorado River Basin. *Journal American Resource Association*, 38 (1), 133–143.
- Appelo, C. A. . J., & Postma, D. (2005). *Geochemistry, Groundwater, and Pollution (2nd ed.)*. Leiden, The Netherlands: Taylor and Francis Group.
- Aydinalp, C. (2011). *An Introduction to The Study Mineralogy*. Rijeka, Croatia: InTech.
- Bear, J. (1972). *Dynamics of Fluids in Porous Media*. American Elsevier.
- Bintarto. (1991). *Geografi Konsep dan Pemikiran*. Yogyakarta: Fakultas Geografi Universitas Gadjah Mada.
- Chilingar, G. V. (1956). Durov's Classification of Natural Waters and Chemical Composition of Atmospheric Precipitation in USSR: A Review. *American Geophysical Union*, 37(April).
- Dana, E.S. (1949). *Mineralogy*. New York: John Wiley and Sons
- Darcy, H. (1856). *Les Fontaines Publiques de la Ville de Dijon*. Victor Dalmont, Paris.
- Deutsch, W. J., & Siegel, R. (1997). *Groundwater Geochemistry: Fundamentals and Application to Contamination*. Florida, USA: CRC Press.
- Domenico, P. A., & Schwartz, F. W. (1990). *Physical and Chemical Hydrogeology (2nd ed.)*. New York: John Wiley and Sons, Inc.
- Elburg, H., van Engelen, G. B., & Hemker, C. J. (1986). *Flownet Software*. Amsterdam: Inst. Earth Science, Free University.
- Epp, J. (2016). *4-X-ray Diffraction (XRD) Techniques for Materials Characterization. Mineral Characterization Using Nondestructive Evaluation (NDE) Methods*. Elsevier BV
- Freeze, R. A., & Cherry, J. A. (1979). *Groundwater*. Englewood Cliffs: Prentice-Hall.

- Furi, W., Razack, M., Abiye, T. A., Kebede, S., & Legesse, D. (2012). Hydrochemical Characterization of Complex Volcanic Aquifers in A Continental Rifted Zone: The Middle Awash basin, Ethiopia. *Hydrogeology Journal*, 20(2), 385–400.
- Garrels, R. M., & Thompson, M. E. (1962). A Chemical Model for Sea Water at 25°C and One Atmosphere Total Pressure. *American Journal of Science*.
- Harvey, A. (2012). *Introducing Geomorphology: A Guide to Landforms and Processes*. London: Dunedin Academic Press Ltd.
- Hayashi, M. (2003). Temperature-Electrical Conductivity Relation of Water for Environmental Monitoring and Geophysical Data Inversion. *Environmental Monitoring and Assessment* 96: 119-128
- Helena, B., Pardo, R., Vega, M., Barrado, E., Fernandez, J. M., & Fernandez, L. (2000). Temporal Evolution of Groundwater Composition in an Alluvial Aquifer (Pisuerga River, Spain) by Principal Component Analysis. *Water Research*, 34(3), 807–816.
- Helgeson, H. C. (1968). Evaluation of Irreversible Reactions in Geochemical Processes Involving Minerals and Aqueous Solutions—I. Thermodynamic Relations. *Geochimica et Cosmochimica Acta*, 32(8), 853–877.
- Hem, J.D. (1985) Study and Interpretation of the Chemical Characteristics of Natural Water. 3rd Edition, *US Geological Survey Water-Supply Paper 2254*, University of Virginia, Charlottesville, 263 p.
- Holzer, G., Fritsch, M., Deutsch, M., Hartwig, J., Foster, E. (1997). Kq1,2 and Kb1,3 X-Ray Emission Lines of the 3D Transition Metals. *Physical Review*. Vol. 56 No.6: American Physical Society
- Houghton, D. D. (2002). Introduction to Climate Change: Lecture Notes for Meteorologists. *WMO-No.926*. Geneva, Switzerland: WMO.
- Hubert, E., and Wolkersdorfer, C. (2014). Establishing A Conversion Factor Between Electrical Conductivity and Total Dissolved Solids in South African Mine Waters. *Water SA*. Vol 41. No.4
- Hugget, R. J. (2011). *Fundamentals of Geomorphology*. New York: Routledge's Taylor and Francis
- Huggett, R. J. (2011). *Fundamentals of Geomorphology (Third)*. New York: Routledge, Taylor and Francis Group.
- Jankowski, J. (2001a). *Hydrogeochemical Modelling. Short Course Note*. Sydney: School of Biological, Earth, dan Environmental University of New South Wales.
- Jankowski, J. (2001b). *Hydrogeochemistry. Short Course Note*. Sydney, Australia: School of Geology, University of New South Wales.

- Jankowski, J. (2001c). *Analysis and Interpretation of Hydrogeochemical Data. Short Course Note*. Sydney, Australia: School of Geology, University of New South Wales.
- Kadar, D. (1986). *Neogene Planktonic foraminiferal biostratigraphy of the south central java area Indonesia*. Geologi Research and Development Centre, Special Publication, Indonesia, 83 p.
- King, Cuchlaine. A. M. (1972). *Beaches and Coasts*. London: Edward Arnold.
- Kodoatie, R. J. (1996). *Pengantar Hidrogeologi*. Yogyakarta: Andi Offset.
- Kresic, N. (2007). *Hydrogeology and Groundwater Modeling (2nd ed., Vol. 2)*. Boca Raton, Florida: CRC Press.
- Lloyd, J. W., & Heathcote, J. A. (1985). *Natural Inorganic Hydrochemistry in Relation to Groundwater*. Oxford, UK: Clarendon Press.
- Mac Donald and Partner, Binnie and Partner Hunting Technical Service Ltd. (1984). *Greater Yogyakarta Groundwater Resources Study, Vol. 3 Groundwater, Indonesia*. Groundwater Development Project (P2AT), Ministry of Public Works, Government of Republic Indonesia.
- Meija, J., Coplen, T. B., Berglund, M., Brand, W. A., De Bièvre, P., Gröning, M., ... Prohaska, T. (2016). Atomic weights of the elements 2013 (IUPAC Technical Report). *Pure and Applied Chemistry*, 88(3), 265–291.
- Mohr, E. C. J. (1933). *De bodem der Tropen in het algemeen, en die van Nederlandsch-Indie in het bijzonder* (Tropical Soils in General and Those of The Dutch-East Indies in Particular), Mededelingen No. 31 of the K. V. Koloniaal Instituut, 2 vols.
- Moore, D.M., and Reynold, R.C. (1997). *X-Ray Diffraction and the Identification and Analysis of Clay Mineral*, Oxford University Press, Oxford.
- National Research Council. (2000). *Natural Attenuation for Groundwater Remediation*. National Academy Press. Washington, D.C. USA: National
- Nordstrom, D. K. (2012). Models, Validation, and Applied Geochemistry: Issues in Science, Communication, and Philosophy. *Applied Geochemistry*, 27(10).
- Nourtier-Mazauric, E., Guy, B., Fritz, B., Brosse, E., Garcia, D., & Clément, A. (2005). Modelling the Dissolution / Precipitation of Ideal Solid Solutions. *Oil & Gas Science and Technology - Rev. IFP*, 60(2), 401–415.
- Pannekoek, A. J. (1949). *Outline of The Geomorphology of Java*. Harlem: Geological Survey.
- Parkhurst, D. L. (1995). User Guide to PHREEQC-A Computer Program for Speciation, Reaction-path, Advective-transport, and Inverse Geochemical Calculation. *US Geological Survey Water Resources Investigation Report*.

- Parkhurst, D. L., Christenson, S., & Breit, G. N. (1996). *Ground-Water-Quality Assessment of the Central Oklahoma Aquifer—Geochemical and Geohydrologic Investigations*. Reston, Virginia.
- Plummer, L. N. (1984). *Geochemical Modeling: A Comparison of Forward and Inverse Methods*. Hitchon, B., Wallick, E.I. (Eds.), *First Canadian/American Conference on Hydrogeology*. National Well Water Association.
- Plummer, L. N. (1985). *Geochemical Modeling: A Comparison of Forward and Inverse Methods*. In *First Canadian/American Conference on Hydrogeology: Practical Applications of Ground Water Geochemistry* June 22-26, 1984, Banff, Alberta. 1985. p 149-177, 16 fig, 4 tab, 67 ref.
- Plummer, L. N. (1992). *Geochemical Modeling of Water-Rock Interaction: Past, Present, Future*. *Water-Rock Interaction*, Kharaka, Y.K and Maest, A.S. (Eds.), 1.
- Plummer, L. N., Jones, B. F., & Truesdall, A. H. (1976). WATEQ4F-A Fortran IV Version of Wateq, a Computer Program for Calculating Chemical Equilibria of Natural Waters. *U.S. Geological Survey Water-Resources Investigations Report*.
- Plummer, L. N., Prestemon, E. C., & Parkhurst, D. L. (1994). An Interactive Code (NETPATH) for Modeling Net Geochemical Reactions Along A Flowpath. *Water-Resources Investigations Report*. Reston, Virginia.
- Prince, E. (2004). *Volume C - Mathematical, Physical, and Chemical Tables, International Tables for Crystallography*, third ed. Kluwer Acad. Publ., Dordrecht
- Purnama, S. (2010). *Hidrologi Air Tanah*. Yogyakarta: Kanisius.
- Rahardjo, W., Sukandarrumidi, & Rosidi, H. M. D. (1995). *Peta Geologi Lembar Yogyakarta, Jawa*. Bandung: Pusat Penelitian dan Pengembangan Geologi.
- Rhoades, J.D., Kandiah, A., and Mashali, A. (1992). *The Use of Saline Waters for Crop Production*. Rome: FAO
- Richardson, J. L., Wilding, L. P., & Daniels, R. B. (1992). Recharge and Discharge of Groundwater in Aquic Conditions Illustrated with Flownet Analysis. *Geoderma*, 53, 65–78.
- Rybnikova, L. S., & Rybnikov, P. A. (2017). Hydrogeochemistry of the Abandoned Sulfide Mines of the Middle Urals (Russia). *Procedia Earth and Planetary Science*, 17, 849–852.
- Santosa, L. W. (2010). *Pengaruh Genesis Bentuklahan Terhadap Hidrostratigrafi Akuifer dan Hidrogeokimia dalam Evolusi Airtanah Bebas: Kasus pada Bentanglahan Kepesisiran Kabupaten Kulonprogo, Daerah Istimewa Yogyakarta*. Universitas Gadjah Mada.

- Schimdt, F. H., dan J. H. A. Ferguson. (1951). *Rainfall Types Bades On Wet and Dry Period Ratios for Indonesia and Western New Guinea*. Verh. Djawatan Met. Geofisik, Jakarta 42
- Sharif, M. U., Davis, R. K., Steele, K. F., Kim, B., Kresse, T. M., & Fazio, J. A. (2008). Inverse Geochemical Modeling of Groundwater Evolution with Emphasis on Arsenic in The Mississippi River Valley Alluvial Aquifer, Arkansas (USA). *Journal of Hydrology*, 350(1–2), 41–55.
- Shehata, M., & El-Sabrouty, M. N. (2014). Applications of Hydrogeochemical Modeling to Assessment Geochemical Evolution of the Quaternary Aquifer System in Belbies Area , East Nile Delta , Egypt. *Journal of Biology and Earth Sciences*, 4(1), 1–14.
- Šrāček, O., & Zeman, J. (2004). *Introduction to Environmental Hydrogeochemistry*. Brno, Czech Republic: Masaryk University.
- Suma, C. S., Srinivasamoorthy, K., Saravanan, K., Faizalkhan, A., Prakash, R., & Gopinath, S. (2015). Geochemical Modeling of Groundwater in Chinnar River Basin: A Source Identification Perspective. *Aquatic Procedia*, 4(Icwrcoe), 986–992.
- Summerfield, M. A. (1991). *Global Geomorphology: An Introduction to The Study of Landform*. Harlow, Essex: Longman
- Sunarto (2014). Geomorfologi dan Kontribusinya dalam Pelestarian Pesisir Bergumuk Pasir Aeolin dari Ancaman Bencana Agrogenik dan Urbanogenik. *Pidato Pengukuhan Jabatan Guru Besar pada Fakultas Geografi Universitas Gadjah Mada*. Yogyakarta: Fakultas Geografi UGM
- Thornbury, W. D. (1954). *Principles of Geomorphology*. New York: John Wiley and Sons
- Todd, D. K. (1980). *Groundwater Hydrology (2nd ed.)*. New York: John Wiley and Sons, Inc.
- Toraya, H. (2016). Introduction to X-ray Analysis Using The Diffraction Method. *Rigaku Journal* 32(2)
- Toth, J. (1963). A Theoretical Analysis of Groundwater Flow in Small Drainage Basins. *Journal of Geophysical Research* Vol 68, No. 16
- United States Department of Agriculture. (2010). *Geologic and Groundwater Consideration. In Agricultural Waste Management Field Handbook*. Washington, D.C. USA: Natural Resources Conservation Service.
- van Bemmelen, R. W. (1949). *The Geology of Indonesia: General Geology of Indonesia and Adjacent Archipelagoes*. The Hague: Government Printing Office.
- van Zuidam, R. A. (1983). *Guide to Geomorphology Aerial Photographic Interpretation and Mapping*. The Netherland: ITC Enschede.

- van Zuidam, R. A. (1985). *Aerial Photo - Interpretation in Terrain Analysis and Geomorphological Mapping*. The Hague: Smith Publisher.
- Vandersteen, K., Leterme, B., & Gedeon, M. (2017). Regional Aquifer Hydrogeochemistry in The Confined Aquifer System Below The Boom Clay (NE Belgium): Data Analysis and Modelling. Geological Society, London, *Special Publications*, 443, 9–28.
- Verstappen, T. H. (1983). *Applied Geomorphology: Geomorphology Surveys fir Environment Development*. Amsterdam: Elsevier
- Weidemeier, T. H., Swanson, M. A., Moutoux, D. E., Gordon, E. K., Wilson, J. T., Wlson, B. H., ... Chapelle, F. H. (1998). *Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water*. Washington, D.C. USA: US EPA.
- Winograd, I. J., & Thordarson, W. (1975). Hydrogeologic and Hydrochemical Framework, South-Central Great Bason, Nevada-California, with Special Reference to Nevada Test Site. *U. S. Geological Survey Prof. Paper*, C1–C126.
- Younger, P. L. (2007). *Groundwater in the Environment*. Oxford, UK: Blackwell Publishing.
- Zaporozec, A. (1972). Graphical Interpretation of Water-Quality Data. *Ground Water*.