

## DAFTAR PUSTAKA

- Adimalla, N. 2019. Groundwater Quality for Drinking and Irrigation Purposes and Potential Health Risks Assessment: a Case Study from Semi-Arid Region of South India. *Exposure and health*, 11(2), 109–123.
- Adimalla, N. 2020. Spatial distribution, exposure, and potential health risk assessment from nitrate in drinking water from semi-arid region of South India. *Human and ecological risk assessment: an international journal*, 26(2), 310–334.
- Adimalla, N., & Li, P. 2019. Occurrence, Health Risks, and Geochemical Mechanisms of Fluoride and Nitrate in Groundwater of the Rock-Dominant Semi-Arid Region, Telangana State, India. *Human and Ecological Risk Assessment: An International Journal*, 25(1–2), 81–103.
- Adimalla, N., & Taloor, A.K. 2020. Hydrogeochemical Investigation of Groundwater Quality in the Hard Rock Terrain of South India Using Geographic Information System (GIS) and Groundwater Quality Index (GWQI) Techniques. *Groundwater for Sustainable Development*, 10, 100288.
- Adimalla, N., & Venkatayogi, S. 2018. Geochemical characterization and evaluation of groundwater suitability for domestic and agricultural utility in semi-arid region of Basara, Telangana State, South India. *Applied water science*, 8, 1–14.
- Alam, M., Rais, S., & Aslam, M. 2012. Hydrochemical investigation and quality assessment of ground water in rural areas of Delhi, India. *Environmental Earth Sciences*, 66, 97–110.
- Ali, S. A., Sarhat, A.R., Muhammed, A.H., & Qamber, V.A. 2022. Representative map analysis and assessment of groundwater quality for agricultural uses in Northwest of Khanaqeen, Diyala, Iraq. *In IOP Conference Series: Earth and Environmental Science*, 1120(1), 012021.
- Allan, J.D., Castillo, M.M., & Capps, K.A. 1995. *Stream ecology: structure and function of running waters*. Springer Nature.

- Alley, W.M. 1993. *Regional Ground-Water Quality*. New York: John Wiley & Sons.
- Al-Hadithi, M. 2012. Application of Water Quality Index to Assess Suitability of Groundwater Quality for Drinking Purposes in Ratmao-Pathri Rao Watershed, Haridwar District, India. *American Journal of Scientific and Industrial Research*, 3(6), 395–402.
- Anam, N.K., & Adji, T.N. 2018. Karakteristik Akuifer Bebas pada Sebagian Cekungan Air Tanah (CAT) Yogyakarta-Sleman di Kecamatan Pleret, Kabupaten Bantul, Daerah Istimewa Yogyakarta. *Jurnal Bumi Indonesia*, 7(2), 260721.
- Appelo, C.A.J., & Postma. 2005. *Geochemistry and groundwater pollution 2nd Ed.* Leiden: A.A. Balkema Publishers.
- Asdak, C. 1995. *Hidrologi dan Pengelolaan Daerah Aliran Sungai*. Yogyakarta: UGM Press.
- Astuti, A.D. 2014. Kualitas Air Irigasi Ditinjau dari Parameter DHL, TDS, pH pada Lahan Sawah Desa Bulumanis Kidul Kecamatan Margoyoso. *Jurnal Litbang: Media Informasi Penelitian, Pengembangan dan IPTEK*, 10(1), 35–42.
- Backman, B., Bodiš, D., Lahermo, P., Rapant, S., & Tarvainen, T. 1998. Application of a Groundwater Contamination Index in Finland and Slovakia. *Environmental Geology*, 36(1), 55–64.
- Badan Pusat Statistik (BPS) Kabupaten Bantul. 2021. *Kecamatan Pleret dalam Angka 2021*. Bantul: BPS Kabupaten Bantul. Diakses dari <https://bantulkab.bps.go.id/publication/2021/09/24/bf18b795abdf961488aa2772/kecamatan-pleret-dalam-angka-2021.html> oleh Daffa Mughni Sopiandi pada Tanggal 19 September 2022 Pukul 15.50 WIB.
- Badan Pusat Statistik (BPS) Kabupaten Bantul. 2022. *Kecamatan Pleret dalam Angka 2022*. Bantul: BPS Kabupaten Bantul. Diakses dari <https://bantulkab.bps.go.id/publication/2022/09/26/4de482e46ff32d7bb93b920e/kecamatan-pleret-dalam-angka-2022.html> oleh Daffa Mughni Sopiandi pada Tanggal 1 Maret 2023 Pukul 11.23 WIB.

- Badan Pusat Statistik (BPS) Kabupaten Bantul. 2023. Kabupaten Bantul dalam Angka 2023. Bantul: BPS Kabupaten Bantul. Diakses dari <https://bantulkab.bps.go.id/publication/2023/02/28/e90ab2b5613a5bd94f524fcb/kabupaten-bantul-dalam-angka-2023.html> oleh Daffa Mughni Sopiandi pada Tanggal 5 Mei 2023 Pukul 17.15 WIB.
- Bagaskara, R.A. 2022. Analisis Kualitas Airtanah Menggunakan Indeks Kualitas Air di Basin Wonosari Kabupaten Gunungkidul. *Skripsi*. Yogyakarta: Program Studi Geografi Lingkungan, Universitas Gadjah Mada.
- Bartram, J., & Ballance, R. 1996. *Water Quality Monitoring: a Practical Guide to the Design and Implementation of Freshwater Quality Studies and Monitoring Programmes*. London: E & FN Spon.
- Bauder, T.A., Waskom, R.M., Sutherland, P.L., Davis, J.G., Follett, R.H., & Soltanpour, P.N. 2011. Irrigation water quality criteria. *Extension soils specialist and professor, soil and crop sciences*, 0.506.
- Bhattacharya, P. & Bundschuh, J. 2015. Groundwater for Sustainable Development–Cross Cutting the UN Sustainable Development Goals–Editorial. *Groundwater for Sustainable Development*, 1(1–2), 155–157.
- Bisri, M. 2012. *Air Tanah*. Malang: Universitas Brawijaya Press.
- Boyd, C.E. 2015. *Water quality: an introduction (second edition)*. Swiss: Springer Nature.
- Brown, R.M., McClelland, N.I., Deininger, R.A., & Tozer, R.G. 1970. A Water Quality Index-Do We Dare. *Water and Sewage Works*, 117(10), 339–343.
- Çadraku, H.S. 2021. Groundwater quality assessment for irrigation: case study in the Blinaja river basin, Kosovo. *Civil Engineering Journal*, 7(9), 1515–1528.
- Chen, J., Wu, H., & Qian, H. 2016. Groundwater nitrate contamination and associated health risk for the rural communities in an agricultural area of Ningxia, northwest China. *Exposure and Health*, 8, 349–359.
- Chen, J., Wu, H., Qian, H., & Gao, Y. 2017. Assessing nitrate and fluoride contaminants in drinking water and their health risk of rural residents living in a semiarid region of Northwest China. *Exposure and Health*, 9, 183–195.

- Davis, S.N., & De Wiest, R.J.M. 1966. *Hydrogeology*. New York: John Wiley & Sons.
- Doneen, L.D. 1964. Notes on water quality in agriculture. *Water science and engineering paper*, 4001.
- Eaton, F.M. 1950. Significance of carbonates in irrigation waters. *Soil science*, 69(2), 123–134.
- Effendi, H. 2003. *Telaah Kualitas Air Bagi Pengelolaan Sumberdaya dan Lingkungan Perairan*. Yogyakarta: Kanisius.
- Environmental Southland. 2020. *Chloride in groundwater*. Diakses dari <https://www.es.govt.nz/environment/water/groundwater/chloride-in-groundwater> oleh Daffa Mughni Sopiandi pada Tanggal 14 Juni 2022 Pukul 17.30 WIB.
- Fakhreni, F. 2011. Pengaruh Penambahan Arang Aktif Tempurung Kelapa Dan Arang Aktif Batubara Terhadap Logam Besi (Fe) Dan Nikel (Ni) Pada Air Sumur Dengan Metode Spektrofotometri Serapan Atom. *Skripsi*. Medan: Universitas Sumatera Utara.
- FAO-UNESCO. 1973. *Irrigation, Drainage and Salinity: An International Source Book*. London: Hutchinson & Co.
- Fipps, G. 2003. Standards and salinity management and salinity management water analysis. *Agrilife extension, Texas A&M System*.
- Fetter, C.W. 2001. *Applied Hydrogeology 4th Edition*. Upper Saddle River: Prentice Hall.
- Glover, C.R. 1996. Irrigation Water Classification Systems, Guide A-116, New Mexico State University. *NMSU and the US Department of Agriculture*.
- Gu, B., Ge, Y., Chang, S.X., Luo, W., & Chang, J. 2013. Nitrate in groundwater of China: Sources and driving forces. *Global Environmental Change*, 23(5), 1112–1121.
- Gupta S, Kumar A, Ojha C.K and Singh G.J, 2004. *Environmental Science and Engineering*. 46(1): 74–78.

- Harter, T. 2003. *Groundwater Quality and Groundwater Pollution*, ANR Publication 8084. Oakland: Regents of the University of California, Division of Agriculture and Natural Resources
- Herlambang, A. 2006. Pencemaran air dan strategi penggulangannya. *Jurnal Air Indonesia*, 2(1), 16–29.
- Horton, R.K. 1965. An Index Number System for Rating Water Quality. *Journal Water Pollution Control Federation*, 37(3), 292–315.
- Jain, C.K., Bandyopadhyay, A., & Bhadra, A. 2010. Assessment of ground water quality for drinking purpose, District Nainital, Uttarakhand, India. *Environmental monitoring and assessment*, 166, 663–676.
- Jakeman, A.J., Barreteau, O., Hunt, R.J., Rinaudo, J.D., & Ross, A. 2016. *Integrated Groundwater Management: Concepts, Approaches and Challenges*. Switzerland: Springer Nature.
- Jaworek, L.R. 2014. *Calcium and magnesium in groundwater: occurrence and significance for human health*. Florida: CRC Press.
- Kafkafi, U. 2011. Effects of chlorides in effluents used for irrigation on the irrigated crops. *Israel Journal of Plant Sciences*, 59(2–4), 139–146.
- Karanth, K.R. 1987. *Ground Water Assessment: Development and Management*. New York: McGraw Hill Education.
- Keesari, T., Ramakumar, K.L., Chidambaram, S., Pethperumal, S., & Thilagavathi, R. 2016. Understanding the hydrochemical behavior of groundwater and its suitability for drinking and agricultural purposes in Pondicherry area, South India—a step towards sustainable development. *Groundwater for Sustainable Development*, 2, 143–153.
- Kelley, W.P. 1946. Permissible composition and concentration of irrigation waters. *In: Proceeding American Society of Civil Engineering*.
- Kelley, W.P. 1963. Use of saline irrigation water. *Soil science*, 95(6), 385–391.
- Khofiyanida, A., & Widyastuti, M. 2020. Water quality index and pollution loading capacity of Setu Babakan, Jakarta-Indonesia. *In E3S Web of Conferences*, 200, 02028.
- Kodoatie, R.J. 2012. *Tata Ruang Air Tanah*. Yogyakarta: Andi.

- Lateef, K.H. 2011. Evaluation of Groundwater Quality for Drinking Purpose for Tikrit and Samarra Cities Using Water Quality Index. *European Journal of Scientific Research*, 58(4), 472–481.
- Li, P. & Qian, H. 2018. Water Resources Research to Support a Sustainable China. *International Journal of Water Resources Development*, 34(3), 327–336.
- Lima, I.Q., Ramos, O.R., Munoz, M.O., Aguirre, J.Q., Duwig, C., Maity, J.P., Sracek, O., & Bhattacharya, P. 2020. Spatial Dependency of Arsenic, Antimony, Boron and Other Trace Elements in the Shallow Groundwater Systems of the Lower Katari Basin, Bolivian Altiplano. *Science of the Total Environment*, 719, 137505.
- Lohman, S.W. 1970. *Definitions of Selected Ground-Water Terms: Revisions and Conceptual Refinements*. Washington: US Government Printing Office.
- Ludwick, A.E., Campbell, K.B., Johnson, R.D., McClain, L.J., Millaway, R.M., Purcell, S.L., Phillips, I.L., Rush, D.W., & Waters, J.A. 1990. Water and plant growth. *Western Fertilizer Handbook—horticulture Edition*, Interstate Publishers Inc, Illinois, 15–43.
- Makubalo, S.S. & Diamond, R.E. 2020. Hydrochemical Evolution of High Uranium, Fluoride and Nitrate Groundwaters of Namakwaland, South Africa. *Journal of African Earth Sciences*, 172, 104002.
- Malakar, A., Snow, D.D., & Ray, C. 2019. Irrigation Water Quality—A Contemporary Perspective. *Water*, 11(7), 1482.
- Mitra, B.K., Sasaki, C., & Keijirou, E. 2006. Spatial and Temporal Variation of Ground Water Quality in Sand Dune Area of Aomori Prefecture in Japan. *ASAE Annual Meeting*. Oregon: American Society of Agricultural and Biological Engineers.
- Mukate, S., Wagh, V., Panaskar, D., Jacobs, J.A., & Sawant, A. 2019. Development of New Integrated Water Quality Index (IWQI) Model to Evaluate the Drinking Suitability of Water. *Ecological Indicators*, 101, 348–354.
- Mukherjee, I., & Singh, U.K. 2018. Groundwater Fluoride Contamination, Probable Release, and Containment Mechanisms: a Review on Indian Context. *Environmental Geochemistry and Health*, 40(6), 2259–2301.

- Murtaza, G., Rehman, M.Z., Qadir, M., Shehzad, M.T., Zeeshan, N., Ahmad, H.R., Farooqi, Z.R., & Naidu, R. 2021. High residual sodium carbonate water in the Indian subcontinent: concerns, challenges and remediation. *International Journal of Environmental Science and Technology*, 18, 3257-3272.
- Nagarajan, R., Rajmohan, N., Mahendran, U., & Senthamilkumar, S. 2010. Evaluation of groundwater quality and its suitability for drinking and agricultural use in Thanjavur city, Tamil Nadu, India. *Environmental monitoring and assessment*, 171, 289–308.
- Ouedraogo, I., Defourny, P., & Vanclooster, M. 2019. Application of random forest regression and comparison of its performance to multiple linear regression in modeling groundwater nitrate concentration at the African continent scale. *Hydrogeology Journal*, 27(3), 1081–1098.
- Panneerselvam, B., Muniraj, K., Thomas, M., Ravichandran, N., & Bidorn, B. 2021. Identifying influencing groundwater parameter on human health associate with irrigation indices using the Automatic Linear Model (ALM) in a semi-arid region in India. *Environmental Research*, 202, 111778.
- Patmawati, P., & Sukmawati, S. 2019. Menurunkan Bakteri Total Coliform Wai Sauq Bantaran Sungai Mandar Dengan Chlorine Diffuser. *HIGIENE: Jurnal Kesehatan Lingkungan*, 5(2), 106–112.
- Peraturan Pemerintah Nomor 22 Tahun 2021 tentang Penyelenggaraan Perlindungan dan Pengelolaan Lingkungan Hidup. Diakses dari <https://peraturan.bpk.go.id/Home/Details/161852/pp-no-22-tahun-2021> oleh Daffa Mughni Sopiandi pada Tanggal 4 November 2022 Pukul 13.40 WIB.
- Peraturan Kementerian Kesehatan Nomor 2 Tahun 2023 tentang Peraturan Pelaksanaan Peraturan Pemerintah Nomor 66 Tahun 2014 Tentang Kesehatan Lingkungan. Diakses dari <https://peraturan.bpk.go.id/Home/Details/245563/permenkes-no-2-tahun-2023> oleh Daffa Mughni Sopiandi pada Tanggal 4 April 2023 Pukul 11.50 WIB.
- Peraturan Menteri Kesehatan Nomor 492 Tahun 2010 tentang Persyaratan Kualitas Air Minum. Diakses dari <https://stunting.go.id/kemenkes-permenkes-no->



[492-tahun-2010-tentang-persyaratan-kualitas-air-minum/](#) oleh Daffa Mughni

Sopiandi pada Tanggal 19 September 2022 Pukul 20.01 WIB.

Purhadi, P., Lufianti, A., & Susanti, M.M. 2017. Perbedaan Antara Air Minum Yang Dimasak Dengan Air Minum Ultraviolet Terhadap Adanya Bakteri Escherichia Coli Di Kecamatan Karangrayung Kabupaten Grobogan. *The Shine Cahaya Dunia Ners*, 2(2).

Purnama, S. 2000. *Bahan Ajar Geohidrologi*. Yogyakarta: Fakultas Geografi Universitas Gadjah Mada.

Purnama, S. 2010. *Hidrologi Air Tanah*. Yogyakarta: Kanisius.

Purwanto, P., & Ikhsan, J. 2006. Analisis Kebutuhan Air Irigasi pada Daerah Irigasi Bendung Mrican. *Semesta Teknika*, 9(1), 83–93.

Pusparizkita, Y.M. 2017. *Penyisihan Boron pada Proses Pengolahan Air dengan Teknologi Adsorpsi*. Bandung: Fakultas Teknik, Institut Teknologi Bandung.

Putra, A.Y., & Mairizki, F. 2020. Analisis Logam Berat pada Air Tanah di Kecamatan Kubu Babussalam, Rokan Hilir, Riau. *Jurnal Katalisator*, 5(1), 47–53.

Putranto, T.T., Susanto, N., Pangestuti, D.R., & Putro, A.B. 2021. Water Quality Index Analysis for Water Drinking and Irrigation in the Sumowono Groundwater Basin. *Jurnal Presipitasi: Media Komunikasi dan Pengembangan Teknik Lingkungan*, 18(2), 241–253.

Qadarisman, A.H. 2018. Studi Hidrogeologi dan Kualitas Airtanah untuk Keperluan Air Minum di Cekungan Airtanah (CAT) Nusakambangan, Provinsi Jawa Tengah. *Skripsi*. Semarang: Departemen Teknik Geologi, Universitas Diponegoro.

Raihan, A.M. 2020. Kajian Kualitas Airtanah untuk Pemenuhan Kebutuhan Air Masyarakat Kecamatan Srandakan, Bantul. *Skripsi*. Yogyakarta: Program Studi Geografi Lingkungan, Universitas Gadjah Mada.

Raghunath, H.M. 1987. *Ground water: hydrogeology, ground water survey and pumping tests, rural water supply and irrigation systems*. Delhi: New Age International.



- Ramakrishnaiah, C.R., Sadashivaiah, C., & Ranganna, G. 2009. Assessment of Water Quality Index for the Groundwater in Tumkur Taluk, Karnataka State, India. *E-Journal of Chemistry*, 6(2), 523–530.
- Ramesh, K., & Elango, L. 2012. Groundwater quality and its suitability for domestic and agricultural use in Tondiar river basin, Tamil Nadu, India. *Environmental monitoring and assessment*, 184, 3887–3899.
- Reddy, B.M., Sunitha, V., Prasad, M., Reddy, Y.S., & Reddy, M.R. 2019. Evaluation of Groundwater Suitability for Domestic and Agricultural Utility in Semi-Arid Region of Anantapur, Andhra Pradesh State, South India. *Groundwater for Sustainable Development*, 9, 100262.
- Reza, R., & Singh, G. 2010. Assessment of Ground Water Quality Status by Using Water Quality Index Method in Orissa, India. *World Applied Sciences Journal*, 9(12), 1392–1397.
- Richards, L.A. 1954. *Diagnosis and improvement of saline and alkali soils* (No. 60). Washington: US Government Printing Office.
- Robo, T., Sofyan, A., & Banapon, J. 2019. Kajian Intrusi Air Laut Terhadap Kualitas Air Tanah Di Kelurahan Gambesi Kecamatan Ternate Selatan Kota Ternate. *Pangea: Wahana Informasi Pengembangan Profesi dan Ilmu Geografi*, 1(1), 20–28.
- Rout, C., & Setia, B. 2018. Suitability Assessment of Groundwater for Irrigation Purpose with Reference to Residual Sodium Carbonate, *International Journal for Research in Applied Science & Engineering Technology*, 6(3), 2569–2577.
- Rufino, F., Busico, G., Cuoco, E., Darrah, T.H., & Tedesco, D. 2019. Evaluating the suitability of urban groundwater resources for drinking water and irrigation purposes: an integrated approach in the Agro-Aversano area of Southern Italy. *Environmental Monitoring and Assessment*, 191, 1–17.
- Rushton, K.R. 2003. *Groundwater Hydrology: Conceptual and Computational Models*. New York: John Wiley & Sons.

- Saeedi, M., Abessi, O., Sharifi, F., & Meraji, H. 2010. Development of Groundwater Quality Index. *Environmental monitoring and assessment*, 163(1), 327–335.
- Saha, R., Dey, N.C., Rahman, S., Galagedara, L., & Bhattacharya, P. 2018. Exploring Suitable Sites for Installing Safe Drinking Water Wells in Coastal Bangladesh. *Groundwater for Sustainable Development*, 7, 91–100.
- Sakram, G., & Adimalla, N. 2018. Hydrogeochemical characterization and assessment of water suitability for drinking and irrigation in crystalline rocks of Mothkur region, Telangana State, South India. *Applied Water Science*, 8, 1–21.
- Saleh, A., Al-Ruwaih, F., & Shehata, M. 1999. Hydrogeochemical processes operating within the main aquifers of Kuwait. *Journal of Arid Environments*, 42(3), 195–209.
- Santosa, L.W. & Adji, T.N. 2014. *Karakteristik Akuifer dan Potensi Airtanah Graben Bantul*. Yogyakarta: UGM Press.
- Sari, A.K. 2019. Analisis Kebutuhan Air Irigasi untuk Lahan Persawahan Dusun To'pongo Desa Awo Gading Kecamatan Lamasi. *PENA TEKNIK: Jurnal Ilmiah Ilmu-ilmu Teknik*, 4(1), 47–51.
- Scottish Research Development Department (SRDD). 1976. *Development of a Water Quality Index*. Edinburg: Engineering Division.
- Sen, Z. 2015. *Practical and applied hydrogeology*. Turkey: ITU Hydraulics Lab.
- Shah, B., Kansara, B., Shankar, J., Soni, M., Bhimjiyani, P., Bhanushali, T., Shah, M., & Sircar, A. 2019. Reckoning of water quality for irrigation and drinking purposes in the konkan geothermal provinces, Maharashtra, India. *Groundwater for Sustainable Development*, 9, 100247.
- Shammi, M., Rahman, R., Rahman, M.M., Moniruzzaman, M., Bodrud-Doza, M., Karmakar, B., & Uddin, M.K. 2016. Assessment of salinity hazard in existing water resources for irrigation and potentiality of conjunctive uses: a case report from Gopalganj District, Bangladesh. *Sustainable Water Resources Management*, 2, 369–378.

- Singh, N., Singh, R.P., Kamal, V., Sen, R., & Mukherjee, S. 2015. Assessment of Hydrogeochemistry and the Quality of Groundwater in 24-Parganas Districts, West Bengal. *Environmental Earth Sciences*, 73(1), 375–386.
- Siswoyo, H., Juwono, P.T., & Taufiq, M. 2018. Potensi Bahaya Salinitas dan Bahaya Alkalinitas Sumber Daya Air Tanah untuk Irigasi di Kabupaten Mojokerto. *Prosiding SNITT POLTEKBA*. Balikpapan: Politeknik Negeri Balikpapan.
- Siswoyo, H., & Kurniawan, J. 2021. Penilaian Kualitas Air Tanah di Kecamatan Jenu Kabupaten Tuban Berdasarkan Indeks Kualitas Air Irigasi. *Jurnal Ilmiah Universitas Batanghari Jambi*, 21(2), 879–884.
- Soltan, M.E. 1999. Evaluation of Ground Water Quality in Dakhla Oasis (Egyptian Western Desert). *Environmental Monitoring and Assessment*, 57(2), 157–168.
- Stigter, T.Y., Ribeiro, L., & Dill, A.C. 2006a. Application of a Groundwater Quality Index as an Assessment and Communication Tool in Agro-Environmental Policies—Two Portuguese Case Studies. *Journal of Hydrology*, 327(3–4), 578–591.
- Stigter, T.Y., Ribeiro, L., & Dill, A.C. 2006b. Evaluation of an Intrinsic and a Specific Vulnerability Assessment Method in Comparison with Groundwater Salinisation and Nitrate Contamination Levels in Two Agricultural Regions in the South of Portugal. *Hydrogeology journal*, 14(1), 79–99.
- Subramani, T., Elango, L., & Damodarasamy, S.R. 2005. Groundwater Quality and its Suitability for Drinking and Agricultural Use in Chithar River Basin, Tamil Nadu, India. *Environmental Geology*, 47(8), 1099–1110.
- Sudarmadji, Widyastuti, M. & Hadi, P. 2014. *Pengelolaan Sumberdaya Air Terpadu*. Yogyakarta: Gadjah Mada University Press.
- Sunitha, V., MuralidharaReddy, B., & RamakrishnaReddy, M. 2012. Assessment of Nitrate Contamination due to Groundwater Pollution in Southeastern Part of Anantapur District, Andhra Pradesh. *International Journal of Earth Sciences and Engineering*, 5, 113–119.

- Taloor, A.K., Pir, R.A., Adimalla, N., Ali, S., Manhas, D.S., Roy, S., & Singh, A.K. 2020. Spring Water Quality and Discharge Assessment in the Basantar Watershed of Jammu Himalaya Using Geographic Information System (GIS) and Water Quality Index (WQI). *Groundwater for Sustainable Development*, 10, 100364.
- Thilagavathi, R., Chidambaram, S., Prasanna, M.V., Thivya, C., & Singaraja, C. 2012. A study on groundwater geochemistry and water quality in layered aquifers system of Pondicherry region, southeast India. *Applied water science*, 2, 253–269.
- Thivya, C., Chidambaram, S., Singaraja, C., Thilagavathi, R., Prasanna, M.V., Anandhan, P., & Jainab, I. 2013. A study on the significance of lithology in groundwater quality of Madurai district, Tamil Nadu (India). *Environment, development and sustainability*, 15, 1365–1387.
- Thorne, D.W. 1954. *Diagnosis and Improvement of Saline and Alkali Soils: US Salinity Laboratory Staff USDA Agricultural Handbook 60*. Washington: Government Printing Office.
- Tjokrokusumo, K.R.T. 1999. *Pengantar Enjiniring Lingkungan*. Yogyakarta: Sekolah Tinggi Lingkungan Hidup YLH.
- Todd, D.K., & Mays, L.W. 2005. *Groundwater Hydrology*. New York: John Wiley & Sons.
- Trivedy, R.K., & Goel, P.K. 1984. *Chemical and biological methods for water pollution studies*. Environmental publications.
- Undang-Undang Nomor 17 Tahun 2019 tentang Sumber Daya Air. Diakses dari <https://peraturan.bpk.go.id/Home/Details/122742/uu-no-17-tahun-2019> oleh Daffa Mughni Sopiandi pada Tanggal 25 Agustus 2022 Pukul 22.24 WIB.
- United Nations Environment Program (UNEP). 1999. *Global Environment Outlook 2000*. UK: Earthscan.
- United States Salinity Laboratory (USSL). 1954. *Diagnosis and improvement of saline and alkali soils, handbook 60*. New York: US Department of Agriculture.

- Van Bemmelen, R.W. 1949. *The Geology of Indonesia: General Geology of Indonesia and Adjacent Archipelagoes*. Hague: Government Printing Office.
- Varol, S., & Davraz, A. 2015. Evaluation of the Groundwater Quality with WQI (Water Quality Index) and Multivariate Analysis: a Case Study of the Tefenni Plain (Burdur/Turkey). *Environmental Earth Sciences*, 73(4), 1725–1744.
- Verawati, N., & Shofiyani, A. Penurunan Kadar Bikarbonat dalam Air Menggunakan Komposit Kitosan-Zeolit Beads. *Jurnal Kimia Khatulistiwa*, 8(1).
- Wei, Y.N., Fan, W., Wang, W., & Deng, L. 2017. Identification of nitrate pollution sources of groundwater and analysis of potential pollution paths in loess regions: a case study in Tongchuan region, China. *Environmental Earth Sciences*, 76, 1–13.
- Weiner, E.R. 2008. *Applications of environmental aquatic chemistry: a practical guide*. CRC press.
- Widarto, L. 2012. *Teknologi Tepat Guna Membuat Alat Penjernih Air*. Yogyakarta: Kanisius.
- Wilcox, L.V. 1955. *Classification and Use of Irrigation Waters*. New York: US Department of Agriculture.
- Winarti, C. 2020. Penurunan Bakteri Total Coliform Pada Air Limbah Rumah Sakit Terhadap Pengaruh Lama Waktu Penyinaran Dengan Sinar Ultra Violet. *Jurnal Rekayasa Lingkungan*, 20(1), 52–57.
- World Health Organization. 2006. *Guidelines for drinking-water quality: first addendum to the third edition*. Swiss: WHO.
- World Health Organization. 2017. *Guidelines for drinking-water quality: first addendum to the fourth edition*. Swiss: WHO.
- Xu, P., Feng, W., Qian, H., & Zhang, Q. 2019. Hydrogeochemical characterization and irrigation quality assessment of shallow groundwater in the Central-Western Guanzhong Basin, China. *International journal of environmental research and public health*, 16(9), 1492.

- Yusuf, Y., Fatimah, N., & Numlil, K. 2011. Analisa Kandungan Air Sumur Warga RT 12, 17 dan 18 RW 09 Kelurahan Kelapa Dua Wetan Kecamatan Ciracas, Jakarta Timur. *Proseding Penelitian Bidang Ilmu Eksakta*, 61–87.
- Zaman, M., Shahid, S.A., & Heng, L. 2018. *Irrigation Water Quality. In: Guideline for Salinity Assessment, Mitigation and Adaptation Using Nuclear and Related Techniques*. Cham: Springer Nature.