DAFTAR PUSTAKA

Adiat, Nawawi, and K. Abdullah. 2013. "Application of Multi-Criteria Decision Analysis to Geoelectric and Geologic Parameters for Spatial Prediction of Groundwater Resources Potential and Aquifer Evaluation." *Pure and Applied Geophysics*, 170(3): 453–71. http://link.springer.com/10.1007/s00024-012-0501-9.

Adji, T, N., and Purba, S. 2014. "Identification of groundwater potential zones within an area with various geomorphological units by using several field parameters and a GIS approach in Kulon Progo Regency *Java, Indonesia*." Arab J Geosci. Doi:10.1007/s12517-012-0779-z.

Akuba R, dan R. Biki. 2008. Profil Danau Limboto. Balai Riset dan Teknologi Informasi Provinsi Gorontalo.

Bachri, S dan Ratman, N. 1993. Peta Geologi Lembar Tilamuta, skala 1:250.000. Pusat Penelitian dan Pengembangan Geologi.

Bachri, S dan Apandi, T. 1997. Peta Geologi Lembar Kotamobagu, skala 1:250.000. Pusat Penelitian dan Pengembangan Geologi.

Badan Pusat Statistik. 2019. Kabupaten Gorontalo dalam Angka. BPS.

Balasubramanian, A., dan Mahesa, K. 2013. "Depositional Environments". https://www.researchgate.net/publication/315379278.

Bawono, S., Partoyo, E., Wirosujono, S., Situmorang, R.I., dan Spanjoro, R.J. 1990. Peta Geologi Lembar Limboto, Sulawesi Skala 1:100.000. Bandung: Pusat Penelitian dan Pengembangan Geologi.

Bemmelen, Van, R.W. 1949. "The Geology of Indonesia Vol.1A". Nederaland: The Martinus Nijhoff, The Houge.

Beljin., M, Ross., R.R. dan Acree, S.D. 2014. A Tool for Estimating Groundwater Flow Vectors. EPA. United State Environmental Protection Agency.

Bonsor, et.al. 2017. "Hydrogeological typologies of the Indo-Gangetic basin alluvial aquifer, South Asia." Hydrogeology Journal. http//dx.doi.org/10.1007/s10040-017-1550-z.

Boggs, S. J. 2006. *Principele of Sedimentology and Stratigraphy 4th edition: Pearson Educstion.* New Jersey.

Chamley, Harve. 1990. Sedimentology. New Yor: Springer-Verlag.

Chapman, K. 1979. *People, Pattern, Process: An Introduction to Human Geography.* London: Edward Arnold.

Christophe., et.al. 2012. "The typology of Irish hard-rock aquifers based on an integrated hydrogeological and geophysical approach." Hydrogeology Journal. http//dx.doi.org/ 10.1007/s10040-012-0884-9.

Dar, Imran a., K. Sankar, and Mithas a. Dar. 2010. "Remote Sensing Technology and Geographic Information System Modeling: An Integrated Approach towards the Mapping of Groundwater Potential Zones in Hardrock Terrain, Mamundiyar Basin." *Journal of Hydrology* 394(3-4): 285–95. http://dx.doi.org/10.1016/j.jhydrol.2010.08.022.

Dafny, E and Silburn, M. 2014. "The hydrogeology of the Condamine River Alluvium Aquifer, Australia: a critical assessment." Hydrogeology Journal. http//dx.doi.org/10.1007.s10040-013-1075-z

Danaryanto, dkk. 2005. Air Tanah di Indonesia dan Pengelolaanya. Jakarta: Departemen Energi dan Sumber Daya Mineral.

Devi, P. D Sree, and S Srinivasulu. 2001. "Delineation of Groundwater Potential Zones and Electrical Resistivity Studies for Groundwater Exploration." : 1252–64.

Departemen Pekerjaan Umum, 2012. Rencana Strategi Dinas Pekerjaan Umum 2012-2017.

Departemen Pekerjaan Umum, Direktorat Jenderal Cipta Karya. 2011. Profil Kota/Kabupaten Gorontalo.

Departemen Pekerjaan Umum. 2009. Penetapan Teknologi Hidraulik dan Integrasi Pemanfaatan Air tanah dan Air Permukaan dalam Penyediaan Sarana Irigasi. Pusat Penelitian dan Pengembangan Sumber Daya Air.

Einsele, G. 1992. Sedimentary Basin Evolution, Facies and Sediment Budget. New York: Springer-Verlag.

Effendi, H. 2007. Telaah kualitas air bagi pengelolaan sumberdaya dan lingkungan perairan. Kanisius, Yogyakarta.

Ewusi, Anthony, and Jerry S Y Kuma. 2014. "Groundwater Assessment for Current and Future Water Demand in the Daka Catchment , Northern Region, Ghana." 23(4).

Farid, A., Khalid, P., Jadoon, K.Z., Iqbal, M.A., Small, J. 2017. "An Application of Variogram Modeling for Electrical Resistivity Sounding to Characterize Depositional System and Hydrogeology of Bannu Basin, Pakistan". Geosciences Journal Vol 21, No 5,p819-839.

Farid, A., Jadoon, K., Akhter, G., Iqbal, M.A. 2013. "Hydrostratigraphy and hydrogeology of the western part of Maria area, Pakistan: a case study by using electrical resistivity". *Environ Monit Assess: 185:2407-2422*. Doi:10.1007/s10661-012-2720-z.

Fetter, C.W. 2004. Applied Hydrogeology, 4th edition. New York: Mac Millan Publishing.

Fawen Li., Zhao, Y., Feng, P., Zhang, W., Qiao, J. 2015. "Risk Assesment of Groundwater and its Application. Par I: Risk Grading Based on the Functional Zoning of Groundwater". *Water Resource Mangement 29:2697-2714*.Doi: 10.1007/s11269-015-0964-4.

Friedel, J.,M., Esfahani, A., Iwashita., F. 2016. "Toward real-time three-dimensional mapping of surficial aquifers using a hybrid modeling approach." *Hydrogeology Journal*. http://dx.doi.org/10.1007/s10040-015-1318-2

Foster, S., Hirata, R., dan Andreo, B. 2013. "The aquifer pollution vulnerability concept: aid or impediment in promoting groundwater protection." *Hydrogeology Journal 21*: 1389–1392. http://dx.doi.org/10.1007/s10040-013-1019-7

Garcia, G.F, Pueyo, S.P, dan Nieto, L.M. 2014. "Sedimentology of Geomorphologically controlled Quartenary tufas in a Valley in Southern Spain". *Facies* 60:53-72. Doi: 10.1007/s10347-013-0361-5

Griffiths, D.H dan King, R.F. 1981. Applied Geoophysics for Geologist and Engineers. Canada: Pergamon Press.

Ghosh, S. dan Kumar, S. 2014. "Palaeoenvironmental significance of fluvial facies and archives of Later Quartenary depostis in the floodplain of Damodar River, India" *Arab J Geosci*: 7:4145-4161. Doi: 10.1007/s12517-013-1079-y.

http://earthexplorer.usgs.gov/download,https://sustainabledevelopment.un.org/sdg

http://www.undp.org/mdg.goals.html, http://www.mongabay.co.id

http://www.antaragorontalo.com/berita/17335/bpbd-kabupaten-gorontalo-optimalkan -pendistribusian-air-bersih. Diakses 31 Juli 2016.

Hasim, Kasim, F., dan Niode S.N. 2017. Evaluasi Konsentrasi Logam Berat di Perairan Danau Limboto. *Prociding* PIT Masyarakat Limnologi.

Hadi, S. 2013. Konsep dan Pendekatan Geografi (Memahami Jati Diri Keilmuannya). *Makalah,* dipresentasikan pada kuliah Umum FMIPA UNG.

Hagget, P. 1970. *Locational Analysis in Human Geography.* London: Harper and Row Publisher.

Hiscock, K.M. 2005. Hydrogeology Principles and Practice. Australia: Balckwell Publishing Company.

Hendrayana, H. 2002. Dampak Pemanfaatan Air tanah. Jurusan Teknik Geologi UGM. (online), (https://academia.edu).

Hendrayana, H dan Ramadhika, R. 2016. Penentuan zona konservasi cekungan air tanah Wates, Kabupaten Kulon Progo, Daerah Istimewa yogyakarta. *Proceeding,* Seminar Nasional Kebumian ke-9.

Hoffman, J. 2005. "The Future of Satellite Remote Sensing in Hydrogeology". Hydrogeology Journal. 13:247-250.

Horton, E.,R. 1945. "Erosional Development of Streams and Their Drainage Basing; Hydrophysical Approach to Quantitative Morphology". Geological Society of America Bulletin. 1945;56;275-370. Doi: 10.1130/0016-7606(1945)56[275:EDOSAT] 2.0.CO;2.

Huang, C.C., Yeh,H.F., Lin,H., Lee,S., Hsu, K.C., Cheng. 2013. "Groundwater recharge and exploitative potential zone mapping using GIS and GOD techniques. Environ Earth Sci. 68:267-280. Doi: 10.1007/s1 2665-012-1737-5.

Hung L.Q., Batelaan O., De Smedt F. 2005. "Lineament extraction and analysis, comparison of LANDSAT ETM and ASTER imagery. Case study Suoimuoi tropical karst catchment, Vietnam." Remote Sensing for Environmental Monitoring, GIS Applications, and Geology V, Proc. of SPIE Vol. 5983, 59830. Doi: 10.1117/12.627699

Hudak, P.F. 2000. Principles of Hydrogeology second edition. Bolivia: CRC Press LLC.

Indarto. 2010. *Hidrologi*. Bumi Aksara.

Izady, A, K Davary, A Alizadeh, and A N Ziaei. 2014. "A Framework toward Developing a Groundwater Conceptual Model." : 3611–31.

Jastrotia, A.S., Kumar, A., dan Singh, R. 2016. "Integrated remote sensing and GIS approach for delineation of groundwater potential zones using aquifer parameters in Devak and Rui watershed of Jammu and Kashmir, India." Arab J Geosci. Doi: 10.1007/s12517-016-2326-9.

Katili, J.A. 1970. "Large Transcurrent Faults in Southeast Asia with Special Reference to Indonesia." International Journal of Earth Science 59 Issue 2. 581-600.

Karamouz, M., Ahmadi, A., Akhbari, M. 2011. Groundwater Hydrology: Engineering, Planning, and Management. London: CRC Press Taylor and Francis Group.

Kementerian Lingkungan Hidup. 2011. *Status Lingkungan Hidup Indonesia 2010,* Jakarta: Kementerian Lingkungkungan Hidup.

Khan dkk. 2014. "*An integrated approach for aquifer vulnerability mapping using GIS and rough sets: study from an alluvial aquifer in North India." Hydorgeology Journal*. http://dx.doi.org/ 10.1007/s10040-014-1147-8.

Kirsch, R. 2006. Goundwater Geophysics A Tool for Hydrogeology. Germany: Springer.

Kodoatie, R.J. 1996. *Pengantar Hidrologi*. Yogyakarta: Penerbit Andi.

----------. 2012. *Tata Ruang Air tanah*. Yogyakarta: Penerbit Andi.

Konkul, Jaturon, Wiewwiwun Rojborwornwittaya, and Srilert Chotpantarat. 2014. "Hydrogeologic Characteristics and Groundwater Potentiality Mapping Using Potential Surface Analysis in the Huay Sai Area, Phetchaburi Province, Thailand." 18(1): 89–103.

Liang, C.P., Hsu, W.S., Chien, Y.C., Wang, S.W., Chen, J.S. 2019. The Combined Use of Groundwater Quality, Drawdown Index and Land Use to Establish a Multi-Purpose Groundwater Utilization Plan. *Water Resources Management 33:4231-4247*. Doi: 10.1007/s1269-019-02360-2.

Lindenmaier., et.al. 2014. "Structure and genesis of the Cubango Megafan in northern Namibia: implications for its hydrogeology." Hydrogeology Journal. http://dx.doi.org/ 10.1007/s10040-014-1141-1.

Lillesand, T.M., R.W. Kiefer and Jonathan W.C. 2004. *Remote Sensing and Image Interpretation. Fifth Edition*. New York: John Wiley and Sons.

Loke, M. H. 1999. *Electrical Imaging Surveys for Evironmental and Engineering Studies: A practical to 2-D and 3-D Surveys*. Malaysia

Lowrie, W. 2007. Fundamental of Geophysics Second Edition. New York: Cambridge University Press.

Lukjan, A. dan Tanit, C. 2017. "Assesment of Alluvial Aquifer heterogeneity and Development of Stochastic hydrofacies models for the Hat Yai Basin in Southern Thailand. Environ Earh Sci. Doi: 10.10007/s 12665-017-6637-2.

Manap MA, dkk. 2014. "Aplication of probabilistic-based frequency ratio model in groundwater potential mapping using remote sensing and GIS. Arab Jgeosci. Doi: 10.1007/s12517-012-0795-z.

Magesh, N.S, Chandrasekar,N., and Soundranayagam, J.P. 2012. "Delineation of groundwater potential zones in Theni district, Tamil Nadu, using remote sensing, GIS and MIF techniques." Geoscience Frontiers. Doi:10.1016/j.gsf.2011.10.007.

Molnar, P., dan Dayem, K.E., 2010. "Major Intracontinental Strike-Slip Feult and Contrastsin Lithospheric Strengh". Geosphere. 6:444-467.

Mubarak, A.K. 2018. Studi Fasies Endapan Danau (Qpl) untuk Menentukan Lingkungan Pengendapan Danau Limboto. *Skripsi*. UNG

Mulyana, H., Batu, M., Moechtar, H. 2008. Pengaruh Tektonik dan Iklim Terhadap Perubahan Lingkungan Endapan Kuarter Daerah Sumpur, Sumater Barat. JSDG, Vol 18 No.6 Desember 2008.

Murthy, K.S.R, 2000. "Groundwater potential in a semi-arid region of Andhra Pradesh- a geographycal information system approach." Int. J. Remote Sensing. http//dx.doi.org/10.1080/014311600209788.

Moore, J.E. 2012. Field Hydrogeology: A Guide for Site Investigation and Report Preparation, Second Edition. London: CRC Press Taylor and Francis Group.

National Ground Water Association. 2003. Illustrated Glossary of Ground Water Industry Terms: Hydrogeology, Geophysics, Borehole Construction, and Water Conditioning. Ohio: NGWA Press.

Nasir, J.M. et.al. 2018. "Delineation of groundwater potential zones using GIS and multi influence factor (MIF) techniques: a study of district Swat, Khyber Pakhtunkhwa, Pakistan." Environmental Earth Sciences. https://doi.org/10.1007/s12665-018-7522-3

Nag, S K. 2005. "Application Of Lineament Density And Hydrogeomorphology to Deliniated Groundwater Potential Zone of Baghmundi Block In Purulia District, West Bengal. Indian Society of Remote Sensing, 33(4).

Nichols, G. 2009. Sedimentology and Stratigrafi 2nd ed. United Kingdom: John Wiley & Sons.

O'Leary, D. W., Friedmann, J. D., Pohn, H. A. 1976. "Lineament, linear, lineation: some proposed new standards for old terms." Geological Society of America Bulletin Volume 87, 463–1469.

Pandey V.P and Kazama, F. 2011. "Hydrogeologic characteristics of groundwater aquifers in Kathmandu Valley, Nepal." Environmental Earth Science. DOI: 10.1007/s12665-010-0667-3

Pandey, V.P., Shrestha, S., and Kazama, F. 2013. A GIS-based methodology to delineate potential areas for groundwater development: a case study from Kathmandu Valley, Nepal." Appl Water Sci. DOI 10.1007/s13201-013-0094-1.

Pemerintah Provinsi Gorontalo. 2010. Peta Fisiografi dan Pertambangan Provinsi Gorontalo, Skala 1:250.000.

Peraturan Pemerintah, Nomor 43 Tahun 2008.

Pranatya dan Regganis, 2010. Interpretasi geohidrologi CAT Limboto-Gorontalo. Jurnal Teknik Hidraulik. Bandung: Pustlitbang Sumberdaya Air Balitbang Kementrian PU.

Purnama. 2010. *Hidrologi Air tanah*. Yogjakarta : Penerbit Kanisius.

Puradimadja dan Irawan. 2015. *Hidrogeologi Umum.* Yogyakarta: Penerbit Ombak.

Pusat Lingkungan Geologi. 2007. Kumpulan Panduan Teknis Pengelolaan Air tanah. Pusat Lingkungan Geologi. Bandung.

Reineck, H.E., dan Singh, I.B. 1980. Depostional Sedimentary Environments. New York: Springer-Verlag.

Sabins, F.F. Jr. 1996. *Remote Sensing Principle and Interpretation.* Third Edition. New York.

Santosa L.W. 2010. Pengaruh Genensis Bentuk Lahan Terhadap Hidrostratigrafi akuifer dan Hidrogeokimia Dalam Evolusi Air tanah Bebas, *Disertasi*, Fakultas Geografi UGM, Jogjakarta

Santosa dan Adji. 2014. Karakteristik Akuifer dan Potensi Air tanah Grabaen Bantul. Yogyakarta: Gdjah Mada University Press.

Samekto, C., & Winata, E. S. 2010. Potensi sumber daya air di Indonesia. Makalah disampaikan dalam Seminar Aplikasi Teknologi Penyediaan Air Bersih untuk Kabupaten/Kota di Indonesia. Pusat Teknologi Lingkungan. BPPT.

Schouten, M. 2006. *Integrated Water Resources Management*. Unpublish lectures note. Delft: UNESCO-IHE Institute for Water Education

Sidarto, S.; Bachri, S. 2013 Tektonik Sulawesi. Dalam: Geologi Sulawesi. Surono dan Hartono, U. Ed. Bandung: LIPI Press.

Sidarto, Kusdji. D.K. 2010. Peta Geologi Lembar Limboto, Sulawesi Utara Hasil Interpretasi Citra Penginderaan Jauh. Bandung: Badan Geologi ESDM.

Sriyono. 2014. Geologi dan Geomorfologi Indonesia. Yogyakarta: Penerbit Ombak.

Sudarmadji, Pramono, dan Widyastuti. 2013. Pengelolaan Sumberdaya Air Terpadu. Yogyakarta : Gadjah Mada University Press.

Sutikno. 1994. Pendekatan Geomorfologi Untuk Kajian Air tanah Dangkal di Perbukitan Dome Sangiran Jawa Tengah. *Majalah Geografi Indonesia*. Yogyakarta: Fakultas Geografi UGM.

Suharjo, dkk. 2008. Potensi Air tanah Pasca Gempa Tektonik di Lereng Merapi Daerah Klaten Jawa Tengah. Jurnal Forum Geografi. 22 (2), 186-198.

Thapa, R., et.al. 2017. "Assessment of groundwater potential zones using multi-influencing factor (MIF) and GIS: a case study from Birbhum district, West Bengal." Appl Water Sci. DOI 10.1007/s13201-017-0571-z.

Telford, W.M., Geldart., L.P dan Sheriff., R.E. 1990. Applied Geophysics Second Edition. New York: Cambridge University Press.

Toll, M., et. al. 2009. "Chapter-An Integrated Approach for The Hydrogeology investigation of unconsolidated aquifers in the lower Jordan Valley. In The Water of the Jordan Valley." Page 447-464. Doi: 10.1007/978-3-540-77757-1.

Thomas, R and Duraisamy, V. 2018. "Hydrogeological delineation of groundwater vulnerability to droughts in semi-arid areas of western

Ahmednagar district." The Egyptian Journal of Remote Sensing and Space Science. 121-137.

Todd, D. K and Mays L.W. 2005. *Groundwater Hydrology*, 3rd Ed, John Willey and Sons, New York.

Trail, D. S., et.al. 1974. "The general geological survey of Block 2, Sulawesi Utara, Indonesia." Tidak diterbitkan. Jakarta : Internal Report. PT. Tropic Endeavour Indonesia.

Vayo, LI. 2011. Characterization Of The Hydrogeology Of The Bedrock Aquifer In Rural Vestal, Bowling Green State University.*Thesis* Submitted in Partial Fulfillment of the Requirements for the Degree of Master of Science in Geology.

Verstappen, M.T. 1983. *Applied Geomorfology* (Geomorphological Surveys for Environmental Development). Amsterdam: Elsevier.

Walton., W.C. 1970. *Groundwater Resource Evaluation.* New York: Mc. Graw Hill Company.

Walker, R.G. 1978. *Facies Models.* Toronto: Geological Associaton of Canada.

Willimans, M.A.J., et.al. 1993. "Quartenary Environment". Edward Arnold, A division of holder & Stoughton, New York.

Weng, Q. 2010. *Remote Sensing and GIS Integration: Theories, Methods and Applications.* New York: Mc Graw Hill.

Zaidi, Faisal Kamal, and Osama Mohammad K Kassem. 2012. "Use of Electrical Resistivity Tomography in Delineating Zones of Groundwater Potential in Arid Regions : A Case Study from Diriyah Region of Saudi Arabia." 327–33.

Zeffitni. 2010. Agihan Spasial Potensi Air tanah di Cekungan Air tanah Palu Provinsi Sulawesi Tengah. *Disertasi.* Fakultas Geografi UGM.

Zuidam, R.A., Van. 1985. *Aerial Photo Interpretation in Terrain Analysis and Geomorphlogic Mappign.* ITC: Smith Publisher The Hugue.