

## DAFTAR PUSTAKA

- Alley, W., M; Healy, R.W; La Baugh, James W; Reilly, dan Thomas E. 2002, Flow and storage in groundwater systems. *Science* 296. 5575 (Jun 14, 85-90).
- Andreo, B., Vías, J., López-Geta, J.A., Carrasco, F., Durán, J.J., Jiménez, P. 2008, *Methodological approach for recharge assessment in carbonate aquifers*. Departamento de Geología, Málaga 29071, Spain.
- Anjar, A., 2008, Zonasi Kawasan Resapan Air Hujan di Sub-DAS Gesing dan Sub-DAS Mongo Kabupaten Purworejo, *Tesis*: Pascasarjana, Geografi UGM.
- Anonim. 2004, *Kumpulan Panduan Teknis Pengelolaan Airtanah*, Jakarta: Direktorat Tata Lingkungan Geologi dan Kawasan Pertambangan, Departemen Energi dan Sumberdaya Mineral.
- Anwar, Z., 2005, Evaluasi Kebijakan Sumur Air Hujan untuk Konservasi Air Tanah Dangkal di Kabupaten Sleman, *Tesis*: UNDIP.
- Arsyad, S., 2010, *Konservasi Tanah dan Air*, Bogor: IPB Press.
- Asdak, C., 2007, *Hidrologi dan Pengelolaan Daerah Aliran Sungai*, Yogyakarta: Gadjah Mada University Press.
- BMKG, 2012, *Prakiraan Musim Hujan 2012/2013 di Indonesia*, Jakarta: BMKG.
- Balked, K. and Zhu, Yan, 2008, Natural water purification and water management by artificial groundwater recharge, *Journal of Zhejiang University* 9. 3, 221-6.
- Basagaoglu, H; and Marino, Miguel A., 1999, Joint management of surface and ground water supplies, *Ground Water* 37. 2, 214-222.
- Bemmelen, R.W.V., 1949, *The Geology of Indonesia*. Vol. 1. The Haaque: Government Printing Office.
- Nolan, B., T., Richard W. Healy, Patrick E. Taber, Kimberlie Perkins, dan Kerie J. Hitt, David M. Wolock, 2007, Factors influencing ground-water recharge in the eastern United States, *Journal of Hydrology*, 332, 187- 205.
- Bouwer, H., 2002, Artificial recharge of groundwater: hydrogeology and engineering, *Journal: Hydrogeology Journal - HYDROGEOL J*, vol. 10, no. 1, pp. 121-142.
- Brata, K., R., dan Anne Nelistya, 2008, *Lubang Resapan Biopori*, Jakarta: Penebar Swadaya.

- CEEC, PT, 2011, *Pemetaan Zonasi Konservasi Airtanah di Cekungan Airtanah Yogyakarta-Sleman*. Yogyakarta: Departemen Pekerjaan Umum, Perumahan dan Energi Sumber Daya Mineral, Pemda DIY.
- Clark, J.F; G Bryant Hudson; M Lee Davisson; Woodside, Greg; Herndon, Roy, 2004, Geochemical Imaging of Flow Near an Artificial Recharge Facility, Orange County, California. *Ground Water* 42. 2, 167-174.
- Danang Sasongko, 2017, *Studi Laju Infiltrasi Di Kawasan Rawan Bencana Das Putih Pasca Erupsi Gunung Merapi Tahun 2010*. Skripsi UMY
- Depdiknas, 2008, *Kamus Besar Bahasa Indonesia*, Jakarta: Gramedia Pustaka Utama.
- Domenico, P., A., 1972, *Concepts and Models in Groundwater Hydrology*, New York: McGrawHill Book Co.
- Dinariana, D., 2011, Model Pengelolaan Ruang Terbuka Hijau Sebagai Daerah Resapan di Wilayah DKI Jakarta", *Disertasi*: IPB.
- Eriyatno, 2003, *Ilmu Sistem Meningkatkan Mutu dan Efektivitas Manajemen*, Jilid I, Edisi ketiga. Bogor: IPB Press.
- Eusuff, M,M; Lansey, K, E., 2004, Optimal Operation of Artificial Groundwater Recharge Systems Considering Water Quality Transformations, *Water Resources Management* 18. 4, 379-405.
- Foulquier, A.; Mermillod-blondin, F; Malard, F; Gibert, J., 2011, Response of sediment biofilm to increased dissolved organic carbon supply in groundwater artificially recharged with storm water, *Journal of Soilsand Sediments* 11. 2, 382-393.
- Gale, I, Neumann, I, Calow, R, M Moench, 2002, *The effectiveness of Artificial Recharge of groundwater: a review*, Keyworth, Nottingham: British Geological Survey 2002.
- Garth,V.,D.,K; and-Hayashi,M.,1998, The Groundwater Recharge Function Of Small Wetlands In The Semi-Arid Northern Prairies, *Great Plains Research* 8. 1 (Spring) halaman 39-56.
- Gaspersz, V., 1991, *Teknik Penarikan Contoh untuk Penelitian Survei*, Bandung: Tarsito.
- Getchell, F.; and Wiley, D., 1995, Artificial recharge enhances aquifer Capacity, *Water Engineering & Management* 142. 11, 24.

Gregory, K.J and Walling, D.E. 1973, *Drainage Basin Form and Process, A Geomorphology Approach*, London: Arnold.

Haan, C.T; Johnson, H.P B., 1982, *Hydrologic Modelling of Small Watersheds*, Michigan: ASAE.

Harian seputar Indonesia, 28 September 2012, *Masyarakat Kota Yogyakarta terancam mengalami krisis air bersih akibat musim kemarau berkepanjangan*.

Hari Wibowo, 2010, Laju Infiltrasi Pada Lahan Gambut Yang Dipengaruhi Air Tanah (Study Kasus Sei Raya Dalam Kecamatan Sei Raya Kabupaten Kubu Raya), *Jurnal Belian* Vol. 9 No. 1 Jan., halaman 90 – 103.

Hardjowigeno, S., 2003, *Ilmu Tanah*, Jakarta: Akademika Pressindo.

Harto Br., Sri., 1993, *Analisis Hidrologi*, Jakarta: Gramedia Pustaka Utama.

Hendrayana, Heru, 2016, *Cekungan Air Tanah Yogyakarta-Sleman Potensi, Pemanfaatan Dan Pengelolaan Air Tanah*, Disampaikan pada : National Workshop Asia Pacific Centre for Ecohydrology (APCE) “Best Practices of Sustainable Water Resources Management Based on Ecohydrology Approach” Yogyakarta, 12 – 13 Oktober 2016.

Hendrayana, 2015, *Jaringan Sumur Pantau Berdasar Resiko Air Tanah*. Diunduh dari [https://www.researchgate.net/publication/281765281\\_Jaringan\\_Sumur\\_Pantau\\_Berdasar\\_Resiko\\_Air\\_Tanah\\_Presentasi\\_2015\\_Heru\\_Hendrayana](https://www.researchgate.net/publication/281765281_Jaringan_Sumur_Pantau_Berdasar_Resiko_Air_Tanah_Presentasi_2015_Heru_Hendrayana)

Hendrayana, Heru, 2016, *Potensi, Pemanfaatan dan Pengelolaannya*, [https://www.academia.edu/34573220/Cekungan\\_Air\\_Tanah\\_Yogyakarta-Sleman\\_Potensi\\_Pemanfaatan\\_Pengelolaan\\_Heru\\_Hendrayana\\_2016\\_](https://www.academia.edu/34573220/Cekungan_Air_Tanah_Yogyakarta-Sleman_Potensi_Pemanfaatan_Pengelolaan_Heru_Hendrayana_2016_)

Hendrayana, H.; dan Vicente, V. A. S., 2013, *Cadangan Airtanah Berdasarkan Geometri dan Konfigurasi Sistem Akuifer Cekungan Airtanah Yogyakarta-Sleman*, Yogyakarta: UGM.

Indarto, 2010, *Hidrologi, Dasar Teori dan Contoh Aplikasi Model Hidrologi*, Jakarta: Bumi Aksara.

ILRI. 1974, *Drainage Principles and Applications*. Wageningen. The Netherlands,

International Standardization Organisation, Recommendation R, 110. 1969, *Liquid Flow Measurement in Open Channel Establishment and Operation of Gauging Station and Determination of the Stages Discharge Relation*, Switzerland: Recommendation R. 100.

Irrigation diunduh dari <https://www.google.co.id/search?q=alur+parit>

- Kemas Ali Hanafiah, 2014, *Dasar-dasar Ilmu Tanah*, Jakarta: PT. Raja Grafindo.
- Kodoatie, R.J., 2012, *Tata Ruang Air Tanah*, Yogyakarta: Penerbit Andi.
- Kohnke, Helmut, 1968, *Soil Physics*, New Delhi: Tata McGraw Hill Co.
- Kolehmainen, R. E; Kortelainen, N. M; Langwaldt, J. H; Puhakka, J.A, 2009. Biodegradation of Natural Organic Matter in Long-Term, Continuous-Flow Experiments Simulating Artificial Ground Water Recharge for Drinking Water Production. *Journal of Environmental Quality* 38. 1, 44-52.
- Kusnaedi, 2011, *Sumur Resapan Untuk Pemukiman Perkotaan dan Pedesaan*. Jakarta: Penebar Swadaya.
- Lee, J. Y., 2011, Environmental issues of groundwater in Korea: implications for sustainable use, *Environmental Conservation*, / Volume 38 / Issue 01 / March 2011, pp 64-74 Copyright © Cambridge University Press.
- Lillesand, T.M. dan R.W. Keifer, 1990. *Penginderaan Jauh dan Interpretasi Citra*, Yogyakarta: Gadjah Mada University Press.
- Linsley, R.K., Kohler M.A. and Paulus J.L.A. 1972, *Water Resources Engineering*, New York, McGraw-Hill.
- Linsley, R.K., Kohler M.A. and Paulus J.L.A. 1996, *Hidrologi untuk Insinyur*, Jakarta: Erlangga.
- Loebis, J., 1976, *Hubungan Antara Curah Hujan dengan Debit Banjir Menggunakan Sintesis Unit Hidrograf*, Bandung: DPMA.
- MacDonald & Partners, 1984, *Greater Yogyakarta Groundwater Resources Study, Volume 3 Groundwater*, Government of the Republic of Indonesia, Ministry of Public Works.
- Malingreau dan Rosalia, 1981, *Land use/Land Cover Classification in Indonesia*, Yogyakarta: Fakultas Geografi UGM.
- Marks, P. 1962, *Geologi Sejarah*, Bandung: FIPIA UI.
- Markus, M.,R; Thompson, Curtis A; Ulukaya, Matt, 1995, *Aquifer recharge enhanced with rubber dam installations*, *Water Engineering & Management* 142. 1, 37.
- Masoud, F., Lalehzari, R. and Yaghoobzadeh, M., 2012, The Use of Subsurface Barriers in the Sustainable Management of Groundwater Resources, *World*

*Applied Sciences Journal 19 (11): 1585-1590. ISSN 1818-4952. © IDOSI Publications.*

- Muhammadi, E, Aminullah, B. Soesilo, 2001, *Analisis Sistem Dinamis Lingkungan Hidup, Sosial, Ekonomi, Manajemen*, Jakarta: UMJ Press.
- Munevar, A; Marino, M. A., 1999, Modeling analysis of ground water recharge potential on alluvial fans using limited data, *Ground Water 37. 5*, 649-659.
- Mulyaningsih, S; Sampurno; Zaim, Y; Juandapuradimaja, D; Bronto, S; Siregar, D.A, 2006, Perkembangan Geologi pada Kuartar Awal sampai Masa Sejarah di Dataran Yogyakarta. *Jurnal Geologi Indonesia Vol. 1 No. 2*, Diunduh dari [oaji.net/articles/1150-1407900297.pdf](http://oaji.net/articles/1150-1407900297.pdf) 12 Nov 2014.
- Naik, P., K; Tambe, J., A; Dehury, B., N; Tiwari, A., N., 2008, Impact of urbanization on the groundwater regime in a fast growing city in central India, *Environmental Monitoring and Assessment 146. 1-3*, 339-73.
- Nayak, P., C; Rao, Y. R; Satyaji; S. K P., 2006, Groundwater Level Forecasting in a Shallow Aquifer Using Artificial Neural Network Approach. *Water Resources Management 20. 1*, 77-90.
- Perez, E. S; 1997, Estimation of basin-wide recharge rates using spring flow, precipitation, and temperature data, *Ground Water 35. 6 (Nov/Dec 1997): 1058-1065*
- Phillips, E. M. and Pugh, D. S. 2005, *A Handbook for Student and their Supervisors*, Open University Press, New York: Open University Press.
- Potret Hutan Provinsi Daerah Istimewa Yogyakarta, 2007, Balai Pemantapan Kawasan Hutan Wilayah Xi Jawa-Madura Tahun.
- Pliakas, F; Petalas, C; Diamantis, I; Kallioras, A., 2005, Modeling of Groundwater Artificial Recharge by Reactivating an Old Stream Bed, *Water Resources Management 19. 3*, 279-29
- Pizzulli (1999) diunduh dari <https://www.google.co.id/search?q=recharge+basin> <diakses 19 Agustus 2015>
- Laing, [D. K.](#), [James D.](#), [Hildebrand](#), R.H., 1977, *Prediction Analysis of Cross Classifications Unknown Binding*, New York: John Wiley and Sons.
- Purnama, S., 2010, *Hidrologi Airtanah*, Yogyakarta: Kanisius.
- Qudus, N., 2015, *Penerapan Sistem Resapan Air Hujan di Kawasan Permukiman Kota Semarang, Disertasi: Universitas Gadjah Mada.*

- Rayes, L., 2007, *Metode Inventarisasi Sumber Daya Lahan*. Yogyakarta: Andi.
- Recharge well diunduh dari [://www.google.co.id/search?q=recharge+well](http://www.google.co.id/search?q=recharge+well) <diakses 19 Agustus 2015>
- Republik Indonesia, 2011, *Keppres No. 26 Tahun 2011 Tentang Penetapan Cekungan Airtanah*, Jakarta: Sekretariat Kabinet.
- Republik Indonesia, 1990, *Keppres No. 32 Tahun 1990 Tentang Pengelolaan Kawasan Lindung*, Jakarta: Sekretariat Kabinet.
- Republik On Line, 6 Nov 2009, *Krisis Air Bersih Mengancam: Permukaan airtanah di DIY setiap tahun turun 30 Cm*.
- RKPD Sleman 2012 diunduh dari <http://bappeda.slemankab.go.id/category/produk-bappeda/rkpd/>
- Roof water harvesting diunduh dari <https://www.google.co.id/search?q=roof+> <diakses 19 Agustus 2015>
- Sabin, F. F. Jr., 1987, *Remote Sensing, Principles and Interpretation*, New York: W.F. Freeman and Company.
- Salama, R.B.; Farrington, P.; Bartle, G.A.; Watson, G.D, 1993, Distribution of Recharge and Discharge Areas in A First Order Catchment as Interpreted from Water Level Pattern, *Journal of Hydrology* v. 143, Elsevier, Amsterdam.
- Sastrawijaya, A. T., 2009, *Pencemaran Lingkungan*, Jakarta: Penerbit Rineka Cipta.
- Seiler, K. P., Gat, J.R., 2007, *Groundwater Recharge From Run-off, Infiltration and Percolation*, Dordrecht Netherlands: Springer.
- Sekolah Pascasarjana Universitas Gadjah Mada, 2012, *Petunjuk Penulisan Usulan Penelitian dan Disertasi*, Yogyakarta: UGM.
- Seyhan, E. 1975, *Fundamentals of Hidrology*, Utrecht: Geografisch Instituut der rijks Universiteit.
- Singarimbun, M. dan Effendi, S., 1989, *Metode Penelitian Survai*, Jakarta: LP3ES
- Sosrodarsono, S. dan Takeda, K., 2006, *Hidrologi untuk Pengairan*, Jakarta: Pradnya Paramita.
- Soewarno, 2000, *Hidrologi Operasional*, Bandung: PT. Citra Aditya Bakti.

- Sounders, P.M. 1973, *Hydrographs, Unit Hydrograph and Synthetic Unit Hydrograph*, Denver: Engineering Consultant Inc.
- Strahler, N. A., Alan H. 1987, *Modern Physical Geography*, New York: John Wiley and Sons.
- SNI No. 03-2453-2002. 2002, *Tata Cara Perencanaan Sumur Resapan Air Hujan Untuk Lahan Pekarangan*, Badan Standardisasi Nasional, Jakarta.
- Subarkah, I., 1980, *Hidrologi untuk Bangunan Air*, Bandung: Idea Darma.
- Suharta, I. K., Merit, N., Sunarta, N., 2008, *Studi Peresapan Air Hujan di Kota Denpasar*, Denpasar: Universitas Udayana.
- Sukandarrumidi, 2005, *Geologi Sejarah*, Gadjah Mada University Press.
- Sukendar Asikin, 1978, *Geologi Struktur Indonesia*, Bandung: ITB.
- Sumargo, W., Nanggara, S.G., Nainggolan F. A., Apriani, I., 2011, *Potret Keadaan Hutan Indonesia Periode Tahun 2000-2009*, Bogor: Forest Watch Indonesia.
- Sunaryo, Suprayogo D. dan Lusiana, B., Stella dan Model Wanulcas, *Bahan ajar4* diunduh dari <http://worldagroforestry.org/downloads/WaNuLCAS/LectureNotes/LectureNote4.pdf> diunduh 13 Agustus 2015
- Sutikno, Langgeng W.S., Widiyanto, Andri Kurniawan, Taufik Hery Purwanto, 2007, *Kerajaan Merapi: Sumberdaya Alam dan Daya Dukungnya*, Yogyakarta: Penerbit BPFU UGM.
- Szucs, P; Madarasz, T; Civan, F., Remediating Over-Produced and Contaminated Aquifers by Artificial Recharge from Surface Waters. *Environmental Modeling & Assessment 14. 4* (Aug 2009): 511-520.
- Taman embung UNNES diunduh dari <https://www.google.co.id/search?q=embung>
- Tim Revisi Petunjuk Penulisan. 2012, *Petunjuk Penulisan Usulan Penelitian dan Disertasi* : Sekolah Pascasarjana.
- Todd, D. K., 1959, *Groundwater Hydrology*, Toronto: John Wiley and Son
- Todd, D. K., 1980, *Groundwater Hydrology*, Toronto: John Wiley and Son
- Todd, D. K., and Mays, 2005, *Groundwater Hydrology*, USA: John Wiley and Son.
- Universitas Gadjah Mada, 2016, *50 Persen Wilayah Yogyakarta dan Sleman Krisis Air*, diunduh <https://ugm.ac.id/id/berita/12410-50.persen.wilayah.yogyakarta>.

dan.sleman.krisis.air

UU 41/99 tentang KHTN diunduh dari [www.dephut.go.id/index.php?q=id/node/247](http://www.dephut.go.id/index.php?q=id/node/247) -

Garth, V. D. K; and Hayashi, M., 1998, The Groundwater Recharge Function Of Small Wetlands In The Semi-Arid Northern Prairies, *Great Plains Research 8. 1* (Spring 1998): 39-56.

Walhi Jabar, 2007, *Konversi Airtanah Bandung dengan Hutan Jumat, 21 Desember 2007* <http://uwadadang.blogspot.com/2007/12/konversi-air-tanah-bandung-dengan-hutan.html>

Wartono Raharjo, 1977, *Peta Geologi Lembar Yogyakarta, Jawa*, Bandung: Direktorat Geologi.

Whitten, D. G. A., With J. R. V. Brooks 1972. *The Penguin Dictionary Of Geology*. 495 Pp., 161 Figs, Tables. Penguin Books Ltd.

Whittow, J. (1984). *Dictionary of Physical Geography*, London: Penguin, 1984, p. 275. [ISBN 0-14-051094-X](https://en.wikipedia.org/wiki/ISBN_0-14-051094-X) diunduh dari <https://en.wikipedia.org/wiki/Interfluve>.

Wibowo, M., 2006, Model Penentuan Kawasan Resapan Air Untuk Perencanaan Tata Ruang Berwawasan Lingkungan. BPPT, *J Hidrosfer* vol 1 no 1.

Wilopo, 1999, Perencanaan Konservasi Air Bawah Tanah di Cekungan Yogyakarta, Daerah Istimewa Yogyakarta, Yogyakarta: *Skripsi*, Universitas Gadjah Mada.

Wijatna, B. A., Sudarmadji, dan Hendrayana, H., 2013, Studi Konektivitas Akuifer Antara Sumur Bor Dengan Sumber Daya Air Di Bawahnya (Study of Aquifer Connectivity between Boreholes with Water Resources Underneath), *J. Manusia dan Lingkungan*, Vol. 20, No. 3, November 2013, 324-338.

Wynnie, B.J., 1989, *Groundwater Quality of Texas – An Overview of Natural and Man – Affected Condition*, Texas water Commission, Texas.

Zaporozec, A, 2002, *Goundwater Contamination Inventory, A Methodological Guide, IHP-VI, Series on Groundwater No. 2*. UNESCO, 2002.

Zuidam, van, Robert A. 1986, *Aerial Photo Interpretation in Terrain Analysis and Geomorphologic Mapping*, The Haque: Smits Publisers