

DAFTAR PUSTAKA

- Agarwadkar, Y.Y. 2005. *Salinity Mapping in Coastal Area Using GIS and Remote Sensing*. ITC, Enschede.
- Aitchison-Earl, P., Ettema, M., Hanson, C., Hayward, S., Larking, R., Sanders, R., (2003). Coastal Aquifer Saltwater Intrusion Assessment Guidelines. *Technical Report* No. R04/18. Christchurch: Environment Canterbury.
- Alaerts, G. dan Santika, S.S. 1984. *Metode Penelitian Air*. Surabaya: Usaha Nasional.
- Aller, L., Bennett, T., Lehr, J., Petty, R. dan Hackett, G. (1987). *DRASTIC: A Standardized System for Evaluating Groundwater Pollution Potential using Hydrogeologic Settings*. National Water Well Association, Dublin, Ohio and Environmental Protection Agency. EPA- 600/2-87-035.
- Argamasilla, M., Barbera, J.A. dan Adreo B. 2017. Factors Controlling Groundwater Salinization and Hydrogeochemical Processes in Coastal Aquifers from Shouthern Spain. *Science of the Total Environment* hlm. 50-68.
- Asdak, C. 2007. *Hidrologi dan Pengelolaan Daerah Aliran Sungai*. Yogyakarta: Gadjah Mada University Press.
- Appelo, C.A.J. dan Postma, D. 1993. *Geochemistry, Groundwater and Pollution*. Netherlands: A.A. Balkema.
- Badan Pusat Statistika. 2015. Brondong dalam Angka 2015.
- Bouwer, H. 1978. *Groundwater Hydrology*. New York: McGraw-Hill Book Company.
- Chachadi, A.G. dan Lobbo-Ferreira, J.P. 2001. Seawater Intrusion Vulnerability Mapping of Aquifers Using GALDIT Method. *Coastin a Coastal Policy Research Newsletter*. (4):7-9.
- Chachadi, A.G. dan Lobbo-Ferreira, J.P. 2005. Assessing Aquifer Vulnerability to Sea Water Intrusion Using GALDIT Method. *The fourth Inter-Celtic Colluquium in Hydrology and Management of Water Resources*. Gumairaes, Portugal 11-14 Juli.
- Daly, D., Dassargues, A., Drew, D., Dunne, S., Goldcheider, N., Neale, S., Popescu, I.C. dan Zwahlen, F. 2002. Main Concepts of The “European Approach” to Karst-Groundwater-Vulnerability Assessment and Mapping. *Hydrogeology Journal* (10): 340-345.
- Davis, S.N. dan DeWiest, R.J.M. 1966. *Hydrogeology*. New York: John Wiley & Sons, Inc.

- Datta, B., Vennalakanti, H., dan Dhar A. 2009. Modeling and Control of Saltwater Intrusion in a Coastal Aquifer of Andhra Pradesh, India. *Journal of Hydro-environment* 3: 148-159.
- Doerfliger, N., Jeannin, P.Y., dan Zwahlen, F. (1999). Water Vulnerability Assessment in Karst Environments: A New Method of Defining Protection Areas Using a Multi-Attribute Approach and GIS Tools (EPIK Method). *Environmental Geology* 2: 165–176.
- Edmunds, W.M. dan Shand, P. 2008. *Natural Groundwater Quality*. Malden, USA: Blackwell Publishing Ltd. .
- Effendi, H. 2003. *Telaah Kualitas Air*. Yogyakarta: Kanisius.
- FAO. 1997. *Seawater Intrusion in Coastal Aquifers: Guidelines for Study, Monitoring, and Control*. Rome: FAO.
- Fetter, C.W. 2001. *Applied Hydrogeology*: Fourth Edition. United States of America: Prentice-Hall.
- Gogu, R.C. dan Dassargues, A. 2000. Current Trends and Future Challenges in Groundwater Vulnerability Assessment Using Overlay and Index Methods. *Journal of Environmental Geology* 39 (6): 549-559
- Harter, T. dan Walker, L.G. 2001. *Assessing Vulnerability of Groundwater*. California: California Department of Health Services.
- Hartono dan Suharsono. (1997). *Peta Geologi Lembar Tuban Jawa*. Bandung: Pusat Penelitian dan Pengembangan Geologi
- Hatori, C.A. 2008. Studi Kerentanan Intrusi Air Laut di Kota Semarang, Jawa Tengah. *Tesis*. Yogyakarta: Universitas Gadjah Mada.
- Helsel, D.R. dan Hirsch, R.M. (1992). *Statistical Methods in Water Resources*. Dalam *Techniques of Waterresources Investigations of the United States Geological Survey; Book 4, Hydrologic Analysis and Interpretation*. Reston, VA: U.S. Geological Survey. Chapter A3.
- Hem, J.D. 1971. *Study and Interpretation of the Chemical Characteristics of Natural Water*. Washington: United States Government Printing Office.
- Hiscock, K.M. dan Bense, V.F. 2014. *Hydrogeology: Principles and Practice*. New York: John Wiley & Sons Ltd.
- Irham, M.N., Reyfana, T.A., dan Widodo, S. 2006. Pemetaan Sebaran Airtanah Asin pada Aquifer Dalam di Wilayah Semarang Bawah. *Jurnal Berkala Fisika*. 9 (3): 137-143.
- Kallioras, A., Pliakas, F., dan Diamantis, I. 2006. Conceptual Model of A Coastal Aquifer System in Northern Greece and Assesment of Saline

Vulnerability due to Seawater Intrusion Condition. *Journal of Environmental Geology* (51): 349-361.

Karamouz, M., Azadeh, A. dan Masih Akhbari. 2011. *Groundwater Hydrology: Engineering, Planning and Management*. Boca Raton: CRC Press.

Kecamatan Brondong. Tanpa Tahun. *Gambaran Umum*. Diakses pada tanggal 20 Desember 2017. Online. <https://lamongankab.go.id/brondong/profil/gambaran-umum>

Klassen, J., Allen, D.M. dan Kirste, D. 2014. Chemical Indicators of Saltwater Intrusion for The Gulf Islands, British Columbia. *Final Report*. Departement of Earth Sciences, Simon Fraser University.

Kodoatie, R. J. 2012. *Tata Ruang Airtanah*. Yogyakarta: Penerbit Andi.

Kovalevsky, V.S., Kruseman, G.P., dan Rushton, K.R.. (2004). *Groundwater Studies: an International Guide for Hydrogeological Investigations*. Paris:United Nations Educational, Scientific and Cultural Organization.

Kura, N.U., Ramli, M.F., Ibrahim, S., Sulaiman, W.N.A. dan Aris, A.Z. 2014. An Integrated Assessment of Seawater Intrusion in a Small Tropical Island Using Geophysical, Geochemical, and Geostatistical Techniques. *Journal of Environmental Science Pollution Resources*. (21): 7047-7064.

Liggett, J.E. dan Talwar, S. (2009). Groundwater Vulnerability Assessments and Integrated Water Resources Management. *Streamline Watershed Management Bulletin*, 13 (1): 18-29.

Linsley, R.K., Kohler, M.A. dan Paulhus J.L.H. 1982. *Hydrology for Engineers*. Singapura: McGraw-Hill.

Lobbo-Ferreira, J.P., Chachadi, A.G., Diamantino, C. dan Henriques, M.J. 2005. Assessing Aquifer Vulnerability to Seawater Intrusion Using GALDIT Method: Part 1- Application to The Portuguese Monte Gordo Aquifer. *Proceeding of The Fourth InterCeltic Colloquium on Hydrology and Management of Water Resources*. Portugal: Guimaraes.

Majandang, J. Dan Sarapirome, S. 2013. Groundwater Vulnerability Assessment and Sensitivity Analysis in Nong Rua, Khon Kaen, Thailand, Using a GIS Based SINTACS model. *Environmental Science Pollution Research* (68).

Marfai, M.A., Pratomoatmojo, N.A., Hidayatullah, T., Nirwansyah, A.W., dan Gomareuzzaman, M. (2011). *Model Kerentanan Wilayah Pesisir Berdasarkan Perubahan Garis Pantai dan Banjir Pasang (Studi Kasus: Wilayah Pesisir Pekalongan)*. Yogyakarta: Percetakan Pohon Cahaya.

- Mazor, E. 1997. *Chemical and Isotopic Groundwater Hydrology*. New York: Marcel Dekker, Inc.
- Meyzonnat, G., Larocque, M., Barbecot, F., Pinti, D.L. dan Gagne, S. 2016. The Potential of Major Ion Chemistry to Assess Groundwater Vulnerability of A Regional Aquifer in Southern Quebec (Canada). *Journal of Environmental Earth Science* (75): 1-12.
- Morgan, L.K dan Werner, A.D. 2014. Seawater Intrusion Vulnerability for Freshwater Lense in Strip Islands. *Journal of Hydrology* (508): 322-327.
- Najib, S., Grozavu, A., Mehdi, K., Breaban, I.G., Guessir, H. dan Boutayeb, K. 2012. Application of the Method GALDIT for The Cartography of Groundwaters Vulnerability: Aquifer Chaouia Coast, Morocco. *Scientific Annals of Alexandru Ioan Cuza University of IASI*. ISSN. 1223-5334.
- Napolitano, P. Dan Fabbri, A. G. 1996. Single-Parameter Sensitivity Analysis for Aquifer Vulnerability Assessment Using DRASTIC and SINTACS. *Proceedings of the Vienna Confrence*. IAHS Publication No. 234.
- Nazir, M. 1988. *Metodologi Penelitian*. Jakarta: Ghalia Indonesia.
- Noviyanti, E. dan Setiawan, R.P. 2014. Penyediaan Air Bersih pada Kawasan Rawan Air Bersih di Pesisir Utara Lamongan. *Jurnal Tata Loka* 16 (2): 116-132.
- Nurgiantoro, B., Gunawan dan Marzuki. 2012. *Statistik Terapan*. Yogyakarta: Gadjah Mada University.
- Purnama, S. 2004. Distribusi Air Asin dalam Tanah Dataran Pantai (Studi Kasus di Kota Semarang). *Disertasi*. Bogor: Institut Pertanian Bogor.
- _____. 2010. *Hidrologi Airtanah*. Yogyakarta: Kanisius.
- _____. 2016. Pemanfaatan Metode GALDIT dalam Penentuan Kerentanan Airtanah terhadap Intrusi Air Laut di Pesisir Kota Cilacap. *Seminar Nasioanl II Pengelolaan Pesisir dan Daerah Aliran Sungai*. Yogyakarta.
- Ross, D.A. 1970. *Introduction to Oceanography*. New York: Meredith Corporation.
- Rushton, K.R. 2003. *Groundwater Hydrology*. Inggris: John Wiley & Son Ltd.
- Safitri, F. 2016. Kajian Kerentanan Airtanah Bebas terhadap Intrusi Air Laut di Wilayah Pesisir Kota Makassar. *Tesis*. Universitas Gadjah Mada: Yogyakarta.

- Saidi, S., Bouri, S. dan Dhia, H.B. 2013. Groundwater Management Based on GIS Techniques, Chemical Indicators and Vulnerability to Seawater Intrusion Modelling: Application to The Mahdia-Ksour Essaf Aquifer, Tunisia. *Journal of Environment Earth Science* (13): 1551-1568.
- Santosa, 2010. Pengaruh Genesis Bentuklahan terhadap Hidrostratigrafi Akuifer dan Hidrogeokimia dalam Evolusi Airtanah Bebas (Kasus pada Bentanglahan Kepesisiran Kabupaten Kulonprogo, Daerah Istimewa Yogyakarta. *Desertasi*. Yogyakarta: Universitas Gadjah Mada.
- Santucci, L., Caro, E., dan Kruse, E. 2016. Identification of Palaeo-Seawater Intrusion in Groundwater Using Minor Ions in a Semi-Confined Aquifer of the Rio de la Plata Littoral (Argentina). *Journal of Science of the Total Environment*. (566): 1640-1648.
- Siarkos, I., Latinopoulus, D., Mallios, Z., dan Latinopoulus, P. 2017. A Methodological Framework to Assess the Environmental and Economic Effects of Injection Barriers Against Seawater Intrusion. *Journal of Environmental Management*. (193): 532-540.
- Singarimbun, M. dan Effendi, S. 1982. *Metode Penelitian Survei*. Jakarta: Lembaga Penelitian, Pendidikan dan Penerangan Ekonomi Sosial.
- Soegiyanto. 1995. Kajian Intrusi Air Laut pada Akifer Pantai Tuban sampai Paciran Jawa Timur. *Tesis*. Yogyakarta: Universitas Gadjah Mada.
- Sophiya, M.S. dan Syed T.H. 2013. Assessment of Vulnerability to Seawater Intrusion and Potential Remediation Measures for Coastal Aquifers: A Case Study From Eastern India. *Journal of Environment Earth Science* (70): 1197-1209.
- Stuyfzand, P.J. 1986. A New Hydrochemical Classification of Water Types: Principles and Application to The Coastal Dunes Aquifer System of The Netherlands. *Salt Water Intrusion Meeting 9*. The Netherland Waterwork Testing and Research Institute KIWA Ltd, Delf.
- Sugiyono. 2008. *Metode Penelitian Kuantitatif Kualitatif dan R&D*. Bandung: Alfabeta.
- Suherman, D. dan Sudaryanto. 2009. Tipe Air untuk Menentukan Aliran Airtanah Vertikal di Cekungan Jakarta. *Jurnal Riset Geologi dan Pertambangan*. 19 (2): 99-108.
- Sundaram, V.L.K., Dinesh, G., Ravikumar, G. dan Govindarajalu, D. 2008. Vulnerability Assessment of Seawater Intrusion and Effect of Artificial Recharge in Pondicherry Coastal Region Using GIS. *Indian Journal of Science and Technology*. 1 (7): 1-7.
- Supriharyono. (2000). *Pelestarian dan Pengelolaan Sumber Daya Alam di Wilayah Pesisir Tropis*. Jakarta: Gramedia Pustaka Utama.

- Todd, D. K. dan Mays, L.W. 2005. *Groundwater Hydrology*. New Jersey: John Wiley dan Son.
- Trabelsi, N., Triki, I., Hentati, I. dan Zairi M. 2016. Aquifer Vulnerability and Seawater Intrusion Risk Using GALDIT, GQI_{swi} and GIS: Case of A Coastal Aquifer in Tunisia. *Journal of Environment Earth Science* (75): 1-19.
- Van Stempvoort, D., Ewert L. dan Wassenaar, L. 1992. Aquifer Vulnerability Index: A GIS-Compatible Method for Groundwater Vulnerability Mapping. *Canadian Water Resources Journal*. 1B (1): 25-37.
- Walton. 1970. *Groundwater Resources Evaluation*. Kogakusha: McGraw-Hill, Inc.
- Werner, A.D., Bakker, M., Post, V.E.A., Vandenbohede, A., Chunhui, L., Ataie-Ashtiani, B., Simmons, C.T., dan Barry, D.A. 2013. Seawater Intrusion Processes, Investigation and Management: Recent Advances and Future Challenges. *Journal Advances in Water Resources*. 51: 3-26.
- Wibowo, A. dan Supriatna. (2011). Kerentanan Lingkungan Patai Kota Pesisir di Indonesia. *Jurnal Ilmu dan Teknologi Kelautan Tropis*. 3 (2): 1-20.
- Yunus, H. S. (2002). *Struktur Tata Ruang Kota Edisi 2*. Yogyakarta: Pustaka Pelajar
- _____. 2010. *Metodologi Penelitian Wilayah Kontemporer*. Yogyakarta: Pustaka Pelajar.
- Zaporozec, A., Conrad, J.E., Hirata., Johansson, P., Nonner, J.C., Romijn, E. dan Weaver, J.M. 2002. *Groundwater Contamination Inventory: A Methodological Guide*. Paris: UNISCO.
- Zektser, I.S. dan Everett, L.G. 2004. *Groundwater Resources of The World and Their Use*. Paris: UNISCO.