

## DAFTAR PUSTAKA

- Alhumimidi, S. M. (2020). An integrated approach for identification of seawater intrusion in coastal region: A case study of northwestern Saudi Arabia. *Journal of King Saud University - Science*, 32(7), 3187–3194. <https://doi.org/10.1016/j.jksus.2020.09.010>
- Alizadeh, M., Hashim, M., Alizadeh, E., & Shahabi, H. (2018). Multi-Criteria Decision Making (MCDM) Model for Seismic Vulnerability Assessment (SVA) of Urban Residential Buildings. *Mcdm*. <https://doi.org/10.3390/ijgi7110444>
- Alma'ruf. (1995). Penerapan Metode Khusus Pengukuran Resistansi Dan Konduktivitas Untuk Mendeteksi Intrusi Air Laut Terhadap Lapisan Air tanah Di Wilayah Tersebut Pantai Kuta, Kabupaten Lombok Tengah. Tesis ITB.
- Alshehri, F., Almadani, S., El-Sorogy, A. S., Alwaqdani, E., Alfaifi, H. J., & Alharbi, T. (2021). Influence of seawater intrusion and heavy metals contamination on groundwater quality, Red Sea coast, Saudi Arabia. *Marine Pollution Bulletin*, 165, 112094. <https://doi.org/10.1016/J.MARPOLBUL.2021.112094>
- Anis, M. A. L. (1980). *Water Supplay Engineering Design*. Anna Arbor Science, University of Mosul.
- Aziz, N. (2000). *Geologi Fisik*. Penerbit ITB.
- Bambang, P. (2008). *Metode Penelitian Kuantitatif: Teori dan Aplikasi*. Rajawali Press.
- Barapela, P. C. (2015). *Kajian Hidrogeokimia Air tanah Bebas Di Wilayah Kepesisiran Kabupaten Purworejo*. Skripsi. Fakultas Geografi, Universitas Gadjah Mada.
- Barlow, P. M. (2003). Ground water in fresh water-salt water environments of the Atlantic Coast. *Circular*, 1(1).
- Bhagat, C., Puri, M., Mohapatra, P. K., & Kumar, M. (2021). Imprints of seawater intrusion on groundwater quality and evolution in the coastal districts of south Gujarat, India. *Case Studies in Chemical and Environmental Engineering*, 3(April), 100101. <https://doi.org/10.1016/j.cscee.2021.100101>
- Bintarto, R., & Surastopo, H. S. (1982). *Metode Analisa Geografi*. LP3ES.
- Cahyono, T., Hadi, M. P., & Mardiatno, D. (2015). *Pemodelan Spasial Untuk Pembuatan Peta Rawan Banjir Dan Peta Tingkat Risiko Banjir Bengawan Solo Di Kota Surakarta*. *Majalah Geografi Indonesia*, 29(1), 60–72.
- Chen, Q., Jia, C., Wei, J., Dong, F., Yang, W., Hao, D., Jia, Z., & Ji, Y. (2020). Geochemical process of groundwater fluoride evolution along global coastal plains: Evidence from the comparison in seawater intrusion area and soil

- salinization area. *Chemical Geology*, 552(July), 119779. <https://doi.org/10.1016/j.chemgeo.2020.119779>
- Coulon, C., Pryet, A., Lemieux, J. M., Yrro, B. J. F., Bouchedda, A., Gloaguen, E., Comte, J. C., Dupuis, J. C., & Banton, O. (2021). A framework for parameter estimation using sharp-interface seawater intrusion models. *Journal of Hydrology*, 600(April). <https://doi.org/10.1016/j.jhydrol.2021.126509>
- Damayanti. (2020). Evaluasi Sistem Disinfeksi Pada PDAM Sleman Unit Nogotiro. Program Studi Teknik Lingkungan. Fakultas Teknik Dan Perencanaan, Universitas Islam Indonesia.
- Darmawan, K., Suprayogi, A., & Hani'ah. (2017). Analisis Tingkat Kerawanan Banjir Di Kabupaten Sampangan Menggunakan Metode Overlay Dengan Scoring Berbasis Sistem Informasi Geografis. *Jurnal Geodesi Undip*, 6(1).
- Davies, S., & Weist, D. (1966). *Hydrogeology*. John Wiley and Sons Inc.
- Dibaj, M., Javadi, A. A., Akrami, M., Ke, K. Y., Farmani, R., Tan, Y. C., & Chen, A. S. (2021). Coupled three-dimensional modelling of groundwater-surface water interactions for management of seawater intrusion in Pingtung Plain, Taiwan. *Journal of Hydrology: Regional Studies*, 36(June), 100850. <https://doi.org/10.1016/j.ejrh.2021.100850>
- Dijkstra, J. J., Comans, R. N. J., Schokker, J., & Meulen, M. J. Van Der. (2019). Anthropocene The geological significance of novel anthropogenic materials: Deposits of industrial waste and by-products. *Biochemical Pharmacology*, 28, 100229. <https://doi.org/10.1016/j.ancene.2019.100229>
- Effendi, H. (2003). *Telaah Kualitas Air: Bagi Pengelolaan Sumber Daya Dan Lingkungan Perairan*. Penerbit Kanisius.
- Emre, B., & Erbaş, A. E. (2020). GIS-based approach to urban planning, archaeological inventory and geology structure in multilayered cities: The case of Tahtakale in Istanbul. *17(2)*, 31–52.
- Erna, S. A. (2014). Tinjauan Metode Deteksi Parameter Kekeringan Berbasis Data Penginderaan Jauh. Seminar Nasional Penginderaan Jauh.
- Fandiaz. (1992). *Environmental Geomorphology*. Dipartimento di Scienze Della Terra, University Degli Studi Modena.
- Fetter, C. (1994). *Applied Hydrogeology (3th Editio)*. Millan Publishing.
- Freeze, R., & Cherry, J., (1979). *Groundwater*. Prentice-Hall, Inc., Englewood Cliffs.
- Giménez-Forcada, E. (2019). Use of the Hydrochemical Facies Diagram (HFE-D) for the evaluation of salinization by seawater intrusion in the coastal Oropesa Plain: Comparative analysis with the coastal Vinaroz Plain, Spain. *HydroResearch*, 2, 76–84. <https://doi.org/10.1016/j.hydres.2019.11.007>
- Hamdi, A. S., & Baharuddin, E. (2014). *Metode Penelitian Kualitatif*. Deepublish.

- Harimurti, A., Djunaedi, A., & Kumorotomo, W. (2015). Model Manajemen Informasi Untuk Mewujudkan Konsep Connected Government Di Pemda DIY. *Jurnal Penelitian Dan Pengembangan Komunikasi Dan Informatika*, 6(1).
- Hasan, M. N., Siddique, M. A. B., Reza, A. H. M. S., Khan, R., Akbor, M. A., Elius, I. Bin, Hasan, A. B., & Hasan, M. (2021). Vulnerability assessment of seawater intrusion in coastal aquifers of southern Bangladesh: Water quality appraisals. *Environmental Nanotechnology, Monitoring & Management*, 16, 100498. <https://doi.org/10.1016/J.ENMM.2021.100498>
- Hehanussa., P. (1993). Morphogenetic Classification Of Small Island As Basis For Resources Planning In Indonesia. Seminar On Small Island Hydrology, Unescorostsea.
- Hendrajaya, L., & Idham, A. (1990). Geolistrik Tahanan Jenis, Monografi: Metoda Eksplorasi. Laboratorium Fisika Bumi, ITB.
- Hendrayana, H. (2002). Intrusi Air Asin Ke Dalam Akuifer Di Daratan. Yogyakarta: Departemen Teknik Geologi. FT UGM.
- Herlambang, A. (2006). Pencemaran Air Dan Strategi Penggulungannya. *JAI*, 2(1).
- Herlambang, A., & Indriatmoko, R. . (2005). Pengelolaan Air tanah Dan Intrusi Air Laut. Kelompok Teknologi Pengelolaan Air Bersih Dan Limbah Cair. Pusat Pengkajian Dan Penerapan Teknologi Lingkungan.
- Hounsino, S. P. (2020). Assessment of potential seawater intrusion in a coastal aquifer system at Abomey - Calavi, Benin. *Heliyon*, 6(2), e03173. <https://doi.org/10.1016/j.heliyon.2020.e03173>
- Idowu, T. E., & Lasisi, K. H. (2020). Seawater intrusion in the coastal aquifers of East and Horn of Africa: A review from a regional perspective. *Scientific African*, 8, e00402. <https://doi.org/10.1016/j.sciaf.2020.e00402>
- Ju, Y. J., Massoudieh, A., Green, C. T., Lee, K. K., & Kaown, D. (2021). Complexity of groundwater age mixing near a seawater intrusion zone based on multiple tracers and Bayesian inference. *Science of the Total Environment*, 753, 141994. <https://doi.org/10.1016/j.scitotenv.2020.141994>
- Kasim, F. (2012). Pendekatan Beberapa Metode dalam Monitoring Perubahan Garis Pantai Menggunakan Dataset Penginderaan Jauh Landsat dan SIG. *Jurnal Ilmiah Agropolitan*, 1(1), 1–7.
- Kloosterman, F. (1983). Reconnaissance Study of Groundwater Resources in The Kabupaten Cirebon. Provincial. Health Services Directorate CDC.
- Kodoatie, R. J. (1996). Pengantar Hidrogeologi. Andi Offset.
- Kodoatie, R. J., & Roestam, S. (2010). Tata Ruang Air. Penerbit Andi.
- Kodoatie, R. J., & Roestam, S. (2012). Pengelolaan Sumber Daya Air Terpadu. Penerbit Andi.

- Koffi, P., Yvonne, M., Larissa, J., Aretouyap, Z., Gweth, M. M. A., Nguemhe, F., Salomon, C., Nshagali, B. G., Oyoa, V., Perilli, N., & Njandjock Nouck, P. (2022). Possible pathways of seawater intrusion along the Mount-Cameroon coastal area using remote sensing and GIS techniques. *Advances in Space Research*, 69(5), 2047–2060. <https://doi.org/10.1016/j.asr.2021.12.017>
- Langkoke, R. 2023. Geospatial Analysis for Delta Evolution of Jeneberang River in Makassar, South Sulawesi, Indonesia. *Indonesian Journal on Geoscience* 10 (2): 151-165
- Lin, J., Lin, M., Chen, W., Zhang, A., Qi, X., & Hou, H. (2021). Ecological risks of geological disasters and the patterns of the urban agglomeration in the Fujian Delta region. *Ecological Indicators*, 125(February), 107475. <https://doi.org/10.1016/j.ecolind.2021.107475>
- Mclusky D.S. (1974). *Ecology Of Estuaries*. Heinemann Educational Books.
- Meyke, N. (2019). Model Penanganan Kerentanan Intrusi Air Laut di Kota Makassar dengan Pendekatan Pemanfaatan Lahan dan Pola Kemitraan. Disertasi Program Doktor Ilmu Lingkungan Pascasarjana, Universitas Brawijaya
- Momejian, N., Abou Najm, M., Alameddine, I., & El-Fadel, M. (2019). Can groundwater vulnerability models assess seawater intrusion? *Environmental Impact Assessment Review*, 75(October 2018), 13–26. <https://doi.org/10.1016/j.eiar.2018.10.003>
- Mora, A., Mahlknecht, J., Ledesma-ruiz, R., Sanford, W. E., & Lesser, L. E. (2020). Dynamics of major and trace elements during seawater intrusion in a coastal sedimentary aquifer impacted by anthropogenic activities. *Journal of Contaminant Hydrology*, 232(November 2019), 103653. <https://doi.org/10.1016/j.jconhyd.2020.103653>
- Muliadi. (1982). *Geologi Sulawesi*. P3G Bandung.
- Murdick, R. G., & Ross, J. E. (1984). *Sistem Informasi untuk Manajemen Modern* (J. Djamil (ed.); 3rd Editio). Penerbit Erlangga.
- Nandi. (2006). *Sumberdaya Hidrogeologi*. Jurusan Pendidikan Geografifakultas Pendidikan Ilmu Pengetahuan Sosial universitas Pendidikan Indonesia.
- Nasiri, M., Kardan, H., & Hamidi, M. (2021). Development of Multi - Criteria Decision Making Methods for Reduction of Seawater Intrusion in Coastal Aquifers Using SEAWAT Code. *Journal of Contaminant Hydrology*, 242(July 2020), 103848. <https://doi.org/10.1016/j.jconhyd.2021.103848>
- Norby, J. (2000). The Origin and the meaning of the little p in H. *Biochemical Sciences*, 25, 36–47.
- Nybakken, J. W. (1992). *Biologi Laut: Suatu Pendekatan Ekologis*. PT. Gramedia.
- Panitia Ad Hoc Intrusi Air Asin Jakarta. (1986). *Klasifikasi Keasinan Perairan*. Panitia Ad Hoc Intrusi Air Asin Jakarta.

- Pasamba, O. S., Tamuntuan, G. H., & Tanauma, A. (2017). Identifikasi Intrusi Air Laut Dengan Menggunakan Metode Geolistrik Konfigurasi Wenner – Schlumberger di Daerah Malalayang Sulawesi Utara. *Jurnal MIPA*, 6(2), 72. <https://doi.org/10.35799/jm.6.2.2017.17797>
- Pratesi, F., Tapete, D., Del, C., & Moretti, S. (2016). Mapping interactions between geology, subsurface resource exploitation and urban development in transforming cities using InSAR Persistent Scatterers: Two decades of change in Florence, Italy. *Applied Geography*, 77, 20–37. <https://doi.org/10.1016/j.apgeog.2016.09.017>
- Purba, M. (2009). Pengembangan Energi Berdasarkan Karakter Dan Gerak Air Laut. Fakultas Perikanan Dan Ilmu Kelautan IPB.
- Putranto, T. T., & Kusuma, K. I. (2012). Permasalahan Air tanah Pada Daerah Urban. *Jurnal Teknik*, 30(1), 48–56.
- Recommendation, U. P. (2001). The Measurement of pH-Defenition and Procedures- Report Working Party on pHProposal to revise the Current IUPAC 1985 and ISO 31-8 defenition of pH. IUPAC.
- Riduwan. (2010). Skala Pengukuran Variabel-variabel Penelitian. Alfabeta.
- Robinson, T. (2006). Perencanaan Pembangunan Wilayah. Bumi Aksara.
- Salam, R. (2011). Kajian Akifer Pantai Pulau Ternate. . . *Aplikasi Fisika*, 7(2), 51–55.
- Salmin. (2000). Kadar Oksigen Terlarut Di Perairan Sungai Dadap, Goba, Muara Karang Dan Teluk Banten. Dalam: *Fora- Minifera Sebagai Bioindikator Pen-Cemaran*. In Hasil Studi Di Perairan Estuarin Sungai Dadap.
- Santosa, L. W. (2010). Pengaruh Genesis Bentuklahan Terhadap Hidrostratigrafi Akuifer Dan Hidrogeokimia Dalam Evolusi Air tanah Bebas Kasus Pada Bentanglahan Kepesisiran Kabupaten Kulonprogo, Daerah Istimewa Yogyakarta. Disertasi. Fakultas Geografi, Universitas Gadjah Mada.
- Sari, I. K., Limantara, L. M., & Priyantoro, D. (2010). Analisa Ketersediaan Dan Kebutuhan Air Pada Das Sampean. Fakultas Teknik Universitas Brawijaya.
- Sastrawan, F. D., Rahmania, R., & Arisalwadi, M. (2021). Studi Awal Indikasi Intrusi Air Laut Menggunakan Metode Gelistrik Tahanan Jenis. *Jurnal Ilmiah Fisika FMIPA Universitas Lambung Mangkurat*, 18(2).
- Sosrodarsono, S. (2006). Hidrologi Untuk Pengairan. Pradnya Paramita.
- Sugiyono. (2012). Memahami Penelitian Kualitatif. Alfabeta.
- Sukamto, R., & Supriatna, S. (1982). Geologi Lembar Ujung Pandang, Benteng Dan Sinjai, Sulawesi. Pusat Penelitian Dan Pengembangan Geologi.
- Suripin. (2002). Pelestarian Sumber Daya Tanah dan Air. Andi.
- Sutandi, M. C. (2012). Pencemaran Tanah Dan Air Tanah. Program Studi Universitas Kristen Maranatha.

- Taib, M. I. . (2000). Dasar Metoda Eksplorasi Tahanan Jenis Galvanik. Jurusan Teknik Geofisika FIKTM ITB Bandung.
- Tang, G., Yang, M., Chen, X., Jiang, T., Chen, T., Chen, X., & Fang, H. (2020). A new idea for predicting and managing seawater intrusion in coastal channels of the Pearl River, China. *Journal of Hydrology*, 590, 125454. <https://doi.org/10.1016/J.JHYDROL.2020.125454>
- Telford, W., Goldrat, L., & Sheriff, R. . (1990). *Applied Geophysics*. Cambridge University Press.
- Torres-Martínez, J. A., Mora, A., Mahlknecht, J., Kaown, D., & Barceló, D. (2021). Determining nitrate and sulfate pollution sources and transformations in a coastal aquifer impacted by seawater intrusion—A multi-isotopic approach combined with self-organizing maps and a Bayesian mixing model. *Journal of Hazardous Materials*, 417. <https://doi.org/10.1016/j.jhazmat.2021.126103>
- Trinugroho, M. W., Bhatta, B., & Babur, M. (2020). The seawater intrusion under dam failure in the Cimanuk River Estuary, Indonesia. *Regional Studies in Marine Science*, 36, 101267. <https://doi.org/10.1016/j.rsma.2020.101267>
- USEPA. (2016). *Global Greenhouse Gas Emissions Data*. United States Environmental Protection Agency.
- Widada, S. (2007). Gejala Intrusi Air Laut Di Daerah Pantai Kota Pekalongan. *Ilmu Kelautan. Jurnal Ilmu Kelautan*, 12(1), 45–52.
- Widyastuti, M. (2013). *Pemodelan*. ITB.
- Xiang, C., Ke, Z., Li, K., Liu, J., Zhou, L., Lian, X., & Tan, Y. (2021). Effects of terrestrial inputs and seawater intrusion on zooplankton community structure in Daya Bay, South China Sea. *Marine Pollution Bulletin*, 167(April), 112331. <https://doi.org/10.1016/j.marpolbul.2021.112331>
- Yanti, H., Yani, A., & Arsyad, M. (2016). Intrusi Air Laut Pantai Barombong Makassar dengan Metode Konduktivitas Listrik. *Jurnal Sains Dan Pendidikan Fisika*, 12(3), 311–316.
- Zain, A., (2012). Sebaran Tds, Dhl, Penurunan Muka Air Tanah Dan Prediksi Intrusi Air Laut Di Kota Tangerang Selatan. Laporan Tugas Akhir Institut Pertanian Bogor.
- Zang, Y., & Li, M. (2021). Numerical assessment of compressed air injection for mitigating seawater intrusion in a coastal unconfined aquifer. *Journal of Hydrology*, 595(May 2020), 125964. <https://doi.org/10.1016/j.jhydrol.2021.125964>