

## **REFERENCES**

- A., E. all. W. (2016) ‘Chlorination Strategies for Drinking Water During a Cholera Epidemic — Tanzania, 2016’.
- Adjji, T. N. and Sejati, S. P. (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’, *Arabian Journal of Geosciences*, 7(1), pp. 161–172.
- Akter, S. (2019) ‘Impact of drinking water salinity on children’s education: Empirical evidence from coastal Bangladesh’, *Science of the total environment*, 690, pp. 1331–1341.
- Badan Pusat Statistik (2020a) *Kabupaten Bantul Dalam Angka 2020*.
- Badan Pusat Statistik (2020b) *Persentase Rumah Tangga Yang Memiliki Akses Terhadap Layanan Sumber Air Minum Layak*. Available at: <https://www.bps.go.id/indicator/23/1556/1/persentase-rumah-tangga-yang-memiliki-akses-terhadap-layanan-sumber-air-minum-layak-dan-berkelanjutan-40-bawah-menurut-daerah-tempat-tinggal.html>.
- Badan Standardisasi Nasional (2017) *SNI 2398:2017 Tata cara perencanaan tangki septik dengan pengolahan lanjutan (sumur resapan, bidang resapan, up flow filter, kolam sanita)*.
- Bahar, M. M. and Reza, M. S. (2010) ‘Hydrochemical characteristics and quality assessment of shallow groundwater in a coastal area of Southwest Bangladesh’, *Environmental Earth Sciences*, 61(5), pp. 1065–1073.
- BAPPENAS (2020) *RPJMN 2020-2024*.
- Beni Raharjo (2015) *Spatial Analysis ArcGIS Desktop 10*.
- Bhadra, T. et al. (2020) ‘Assessing the groundwater quality of the coastal aquifers of a vulnerable delta: A case study of the Sundarban Biosphere Reserve, India’, *Groundwater for Sustainable Development*, 7(3), p. 100438.
- Blanco, R. I. et al. (2013) ‘Spatial and temporal changes in groundwater salinity in South Florida’, *Applied geochemistry*, 38, pp. 48–58.
- Cahyadi, A., Priadmodjo, A. and Yananto, A. (2019) ‘Criticizing the conventional paradigm of urban drainage’, in.
- Chang, S. W. and Clement, T. P. (2012) ‘Experimental and numerical investigation of saltwater intrusion dynamics in flux-controlled groundwater systems’, *Water Resources Research*, 48(9).
- Corbo, G. M. et al. (2008) ‘Wheeze and asthma in children: associations with body mass index, sports, television viewing, and diet’, *Epidemiology*, pp. 747–755.

- Darmawan, K. and Suprayogi, A. (2017) ‘Analisis tingkat kerawanan banjir di kabupaten sampang menggunakan metode overlay dengan scoring berbasis sistem informasi geografis’, *Jurnal Geodesi Undip*, 6(1), pp. 31–40.
- DeVilbiss, S. E. et al. (2021) ‘Freshwater salinization increases survival of Escherichia coli and risk of bacterial impairment’, *Water Research*, 191, p. 116812.
- Dey, N. C. et al. (2017) ‘Microbial contamination of drinking water from risky tubewells situated in different hydrological regions of Bangladesh’, *International journal of hygiene and environmental health*, 220(3), pp. 621–636.
- Dey, N. C. et al. (2019) ‘Water quality and willingness to pay for safe drinking water in Tala upazila in a coastal district of Bangladesh’, *Exposure and Health*, 11(4), pp. 297–310.
- Dinas Kependudukan dan Pencatatan Sipil (2020) ‘Profil Kependudukan Kabupaten Bantul 2019’.
- Dwi Nur Yuliyani (2019) *Studi Distribusi Spasial Pengaruh Intrusi Air Laut Terhadap Pencemaran Air Tanah Di Kota Semarang*. Universitas Diponegoro.
- Effendi, H. (2003) *Telaah kualitas air, bagi pengelolaan sumber daya dan lingkungan perairan*. Kanisius.
- ESRI (2012) *An Overview of the Interpolation Toolset*.
- Field, A. (2013) *Discovering statistics using IBM SPSS statistics*. sage.
- Foppen, J. W. A. and Schijven, J. F. (2006) ‘Evaluation of data from the literature on the transport and survival of Escherichia coli and thermotolerant coliforms in aquifers under saturated conditions’, *Water Research*, 40(3), pp. 401–426.
- Furtak, K. et al. (2021) ‘Fungal biodiversity and metabolic potential of selected fluvisols from the Vistula River valley in Lubelskie, Poland’, *Applied Soil Ecology*, 160, p. 103866.
- Gay, L. R. (1992) ‘dan Diehl, PL Research Methods for Business and’, *Management*.
- Gay, L. R., Mills, G. E. and Airasian, P. W. (2011) *Educational research: Competencies for analysis and applications*. Pearson Higher Ed.
- Gilbert, P. et al. (1991) ‘Surface characteristics and adhesion of Escherichia coli and Staphylococcus epidermidis’, *Journal of Applied Bacteriology*, 71(1), pp. 72–77.
- Glass, R. I. et al. (1991) ‘Estimates of morbidity and mortality rates for diarrheal diseases in American children’, *The Journal of pediatrics*, 118(4), pp. S27–S33.
- Hadiputro, D., Handayani, Y. and Syahbana, J. A. (2021) ‘Merti Kali : River Conservation Based On Local Wisdom’.

- Hadiputro, D., Yuliastuti, N. and Arief Budihardjo, M. (2021) ‘Salinity Concentration and E.Coli Content Mapping in the Coastal Areas of Samas Beach, D.I Yogyakarta’.
- Hanes, N. B. and Fragala, R. (1967) ‘Effect of seawater concentration on survival of indicator bacteria’, *Journal (Water Pollution Control Federation)*, pp. 97–104.
- He, F. J., Marrero, N. M. and Macgregor, G. A. (2008) ‘Salt and blood pressure in children and adolescents’, *Journal of human hypertension*, 22(1), pp. 4–11.
- Ibrahim-Bathis, K. and Ahmed, S. A. (2016) ‘Geospatial technology for delineating groundwater potential zones in Doddahalla watershed of Chitradurga district, India. Egypt J Remote Sens Space Sci 19: 223–234’.
- Joseph N. Inungu, C. E. Z. *et al.* (2016) ‘Factors Associated With The Uptake of Sodium Dichloroisocyanurate (NADCC) Tablets as Household Water-Treatment Product Among Caregivers of Children Under Five in Benin, West Africa’.
- Kay, D. *et al.* (2005) ‘Decay of intestinal enterococci concentrations in high-energy estuarine and coastal waters: towards real-time T90 values for modelling faecal indicators in recreational waters’, *Water Research*, 39(4), pp. 655–667.
- Kemenkes (2017) *Peraturan Menteri Kesehatan Republik Indonesia Nomor 32 Tahun 2017 Tentang Standar Baku Mutu Kesehatan Lingkungan Dan Persyaratan Kesehatan Air Untuk Keperluan Higiene Sanitasi, Kolam Renang, Solus Per Aqua, Dan Pemandian Umum*. Indonesia.
- Kementerian Pekerjaan Umum (2018) *Rumah Ber-SNI*. Modul 1.
- Kementerian PUPR (2020) *Keputusan Menteri Pekerjaan Umum dan Perumahan Rakyat Nomor 167/KPTS/M/2020 tentang Penetapan Lokasi dan Besaran Bantuan Kegiatan Infrastruktur Berbasis Masyarakat Tahun 2020*. Available at: <http://kotaku.pu.go.id/files/Media/Pustaka/Dokumen dan Surat Penting/Kepmen-PUPR-167-Lokasi-IBM-TA-2020.pdf>.
- Khan, A. E. *et al.* (2014) ‘Salinity in drinking water and the risk of (pre) eclampsia and gestational hypertension in coastal Bangladesh: a case-control study’, *PLoS One*, 9(9), p. e108715.
- Kim, M., Choi, C. Y. and Gerba, C. P. (2008) ‘Source tracking of microbial intrusion in water systems using artificial neural networks’, *Water Research*, 42(4), pp. 1308–1314. doi: <https://doi.org/10.1016/j.watres.2007.09.032>.
- Lee, W. D. *et al.* (2018) ‘Experimental investigation of the effects of revetments on seawater intrusion in coastal Aquifers’, *Journal of Coastal Research*, (85), pp. 441–445.
- Luby, S. P. (2007) ‘Quality of Drinking Water’.
- Madani, A. and Niyazi, B. (2015) ‘Groundwater potential mapping using remote sensing techniques and

- weights of evidence GIS model: a case study from Wadi Yalamlam basin, Makkah Province, Western Saudi Arabia', *Environmental Earth Sciences*, 74(6), pp. 5129–5142.
- Mahmoodabadi, M. *et al.* (2013) 'Reclamation of calcareous saline sodic soil with different amendments (I): Redistribution of soluble cations within the soil profile', *Agricultural Water Management*, 120, pp. 30–38. doi: <https://doi.org/10.1016/j.agwat.2012.08.018>.
- Mastrocicco, M. *et al.* (2011) 'Evaluation of saline tracer performance during electrical conductivity groundwater monitoring', *Journal of contaminant hydrology*, 123(3–4), pp. 157–166.
- Matkovic, V. *et al.* (1995) 'Urinary calcium, sodium, and bone mass of young females', *The American journal of clinical nutrition*, 62(2), pp. 417–425.
- Muirhead, R. W., Collins, R. P. and Bremer, P. J. (2006) 'Interaction of Escherichia coli and soil particles in runoff', *Applied and Environmental Microbiology*, 72(5), pp. 3406–3411.
- Nagarajan, M. and Singh, S. (2009) 'Assessment of groundwater potential zones using GIS technique', *Journal of the Indian Society of Remote Sensing*, 37(1), pp. 69–77.
- Nowicki, S. *et al.* (2021) 'The utility of Escherichia coli as a contamination indicator for rural drinking water: Evidence from whole genome sequencing', *Plos one*, 16(1), p. e0245910.
- Onweremadu, E. U., Onyia, V. N. and Anikwe, M. A. N. (2007) 'Carbon and nitrogen distribution in water-stable aggregates under two tillage techniques in Fluvisols of Owerri area, southeastern Nigeria', *Soil and Tillage Research*, 97(2), pp. 195–206.
- Ozer, D. J. (1985) 'Correlation and the coefficient of determination.', *Psychological bulletin*, 97(2), p. 307.
- Panagopoulos, G. (2009) 'Application of major and trace elements as well as boron isotopes for tracing hydrochemical processes: the case of Trifilia coastal karst aquifer, Greece', *Environmental geology*, 58(5), pp. 1067–1082.
- Perini, L. *et al.* (2015) 'Distribution of Escherichia coli in a coastal lagoon (Venice, Italy): temporal patterns, genetic diversity and the role of tidal forcing', *Water research*, 87, pp. 155–165.
- Price, H. D. *et al.* (2021) 'Daily changes in household water access and quality in urban slums undermine global safe water monitoring programmes', *International Journal of Hygiene and Environmental Health*, 231, p. 113632.
- Purnama, S. (2000) *Bahan Ajar Geohidrologi*. Yogyakarta: Fakultas Geografi Universitas Gajah Mada.
- Rajendra, S., Rubin, D. and Abhishek, M. (2012) 'Microbiological quality of potable water in Dehradun city'.
- Rasheed, S. *et al.* (2016) 'Salt intake and health risk in climate change vulnerable coastal Bangladesh: what

- role do beliefs and practices play?’, *PLoS one*, 11(4), p. e0152783.
- Rein, A., Hoffmann, R. and Dietrich, P. (2004) ‘Influence of natural time-dependent variations of electrical conductivity on DC resistivity measurements’, *Journal of hydrology*, 285(1–4), pp. 215–232.
- Risebro, H. L. et al. (2012) ‘Contaminated small drinking water supplies and risk of infectious intestinal disease: A prospective cohort study’, *PLoS One*, 7(8), p. e42762.
- Sagarduy, M. et al. (2019) ‘Differential decay and prediction of persistence of Enterococcus spp. and Escherichia coli culturable cells and molecular markers in freshwater and seawater environments’, *International journal of hygiene and environmental health*, 222(4), pp. 695–704.
- Savageau, M. A. (1983) ‘Escherichia coli habitats, cell types, and molecular mechanisms of gene control’, *The american naturalist*, 122(6), pp. 732–744.
- Scheelbeek, P. F. D. et al. (2016) ‘High concentrations of sodium in drinking water and raised blood pressure in coastal deltas affected by episodic seawater inundations’, in *Consortium of Universities for Global Health 7th Annual Conference: CUGH 2016*.
- Sekretariat Daerah Kabupaten Bantul (2016) *Keputusan Bupati Bantul Nomor 220 Tahun 2016 tentang Kawasan Kumuh Kabupaten Bantul*.
- Sekretariat Negara (2001) *Peraturan Pemerintah Nomor 82 tahun 2001 tentang Pengelolaan Kualitas Air Dan Pengendalian Pencemaran Air*. Indonesia. Available at: <https://luk.staff.ugm.ac.id/atur/sda/PP82-2001PengelolaanKualitasAir.pdf>.
- Sekretariat Negara (2017) *Peraturan Presiden Nomor 59 Tahun 2017 tentang Pelaksanaan Pencapaian Tujuan Pembangunan Berkelanjutan*.
- Silva, M. M. V. G. et al. (2020) ‘Geochemistry of leptosols and fluvisols in the fast growing city of Benguela (Angola) and assessment of potential risks’, *Geoderma Regional*, 20, p. e00257.
- Steven, J. (1996) ‘Applied multivariate statistics for the social sciences. Mahway’. NJ: Lawrence Erlbaum.
- Stocher, D. P. et al. (2018) ‘Maternal high-salt diet alters redox state and mitochondrial function in newborn rat offspring’s brain’, *British journal of nutrition*, 119(9), pp. 1003–1011.
- Sugiyono (2011) *Metode Penelitian (pendekatan, Kuantitatif, Kualitatif dan R&D)*. ALFABETA : BANDUNG.
- Sunarsih (2018) *Buku Diktat Metode Statistika*.
- Sykes, A. O. et al. (2002) ‘Escherichia coli as a cause of diarrhea’, *Journal of gastroenterology and hepatology*, 17(4), pp. 467–475.
- Tabachnick, B. G., Fidell, L. S. and Ullman, J. B. (2007) *Using multivariate statistics*. Pearson Boston, MA.

- Teixeira, P. *et al.* (2020) 'Bacteroides spp. and traditional fecal indicator bacteria in water quality assessment—An integrated approach for hydric resources management in urban centers', *Journal of Environmental Management*, 271, p. 110989.
- Walker, S. L., Redman, J. A. and Elimelech, M. (2004) 'Role of cell surface lipopolysaccharides in escherichia c coli k12 adhesion and transport', *Langmuir*, 20(18), pp. 7736–7746.
- Wartenberg, D., Uchrin, C. and Coogan, P. (1991) 'Estimating exposure using kriging: a simulation study.', *Environmental health perspectives*, 94, pp. 75–82.
- Werner, A. D. *et al.* (2013) 'Seawater intrusion processes, investigation and management: recent advances and future challenges', *Advances in Water Resources*, 51, pp. 3–26.
- Widada, S. (2007) 'Gejala intrusi air laut di daerah pantai kota pekalongan', *ILMU KELAUTAN: Indonesian Journal of Marine Sciences*, 12(1), pp. 45–52.
- World Health Organization (2015) *Progress on sanitation and drinking water: 2015 update and MDG assessment*. World Health Organization.
- Yamakawa, H. *et al.* (1992) 'Disturbed calcium metabolism in offspring of hypertensive parents.', *Hypertension*, 19(6\_pt\_1), pp. 528–534.
- Yang, T. *et al.* (2019) 'Phylogenetic imprint of woody plants on the soil mycobiome in natural mountain forests of eastern China', *The ISME journal*, 13(3), pp. 686–697.
- Yuliaستuti, N. and Haryanto, R. (2020) 'The Implementation of Land Consolidation Policy for Housing Development', in *E3S Web of Conferences*. EDP Sciences, p. 6035.
- Zhang, T. *et al.* (2015) 'Effects of different amendments for the reclamation of coastal saline soil on soil nutrient dynamics and electrical conductivity responses', *Agricultural Water Management*, 159, pp. 115–122.
- Zhou, Y. and Michalak, A. M. (2009) 'Characterizing attribute distributions in water sediments by geostatistical downscaling', *Environmental science & technology*, 43(24), pp. 9267–9273.

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