

## DAFTAR PUSTAKA

- Action Contre La Faim, 2005. Water, Sanitation and Hygiene for Populations at Risk. Hermann, Paris, French.
- Adityosulindro, S., Hartono, D.M., Pramusinto, A.C., 2013. Evaluasi Timbunan Lumpur dan Perancangan Sistem Pengolahan Lumpur (Studi Kasus: Instalasi Pengolahan Air Minum Cibinong, Jawa Barat). *Jurnal Lingkungan Tropis* 7, 131–146.
- Adityosulindro, S., Rochmatia, N.H., Hartono, D.M., Moersidik, S.S., 2020. Evaluasi Kualitas dan Kuantitas Lumpur Alum dari Instalasi Pengolahan Air Minum Citayam. *Jurnal Teknologi Lingkungan* 21, 157–164. <https://doi.org/10.29122/jtl.v21i2.4049>
- Ahmad, Tarique, Ahmad, K., Ahad, A., Alam, M., 2016. Characterization of Water Treatment Sludge and its Reuse as Coagulant. *Journal of Environmental Management* 182, 606–611. <https://doi.org/10.1016/j.jenvman.2016.08.010>
- Ahmad, T., Ahmad, K., Alam, M., 2017. Sludge Quantification at Water Treatment Plant and its Management Scenario. *Journal of Environmental Monitoring and Assessment* 189, 453. <https://doi.org/10.1007/s10661-017-6166-1>
- Ahmad, T., Ahmad, K., Alam, M., 2016a. Characterization of Water Treatment Plant's Sludge and its Safe Disposal Options. *Procedia Environmental Sciences* 35, 950–955. <https://doi.org/10.1016/j.proenv.2016.07.088>
- Ahmad, T., Ahmad, K., Alam, M., 2016b. Sustainable Management of Water Treatment Sludge through 3'R' concept. *Journal of Cleaner Production* 124, 1–13. <https://doi.org/10.1016/j.jclepro.2016.02.073>
- Babatunde, A.O., Zhao, Y.Q., 2007. Constructive Approaches Toward Water Treatment Works Sludge Management: An International Review of Beneficial Reuses. *Environmental Science and Technology Journal* 37, 129–164. <https://doi.org/10.1080/10643380600776239>
- Blakemore, R., Chandler, R., Surrey, T., Ogilvie, D., Walmsley, N., 1998. Management of Water Treatment Plant Residuals in New Zealand. New Zealand Water and Wastes Association, Auckland, New Zealand.
- BPS-DIY, 2018. Provinsi Daerah Istimewa Yogyakarta Dalam Angka 2018. Yogyakarta.
- BSN-Indonesia, 2011. SNI 7510-Tata Cara Perencanaan Pengolahan Lumpur pada Instalasi Pengolahan Air Minum dengan Bak Pengereng Lumpur (Sludge Drying Bed). Badan Standardisasi Nasional Indonesia, Jakarta.
- Casey, T., 1997. Unit Treatment Processes in Water and Wastewater Engineering. John Wiley & Sons Ltd., West Sussex, England.
- Cornwell, D.A., Roth, D.K., 2011. Water Treatment Plant Residuals Management, in: Edzwald, J.K. (Ed.), *Water Quality & Treatment- A Handbook on Drinking Water*. McGraw-Hill, USA.

- Davis, M.L., 2010. *Water and Wastewater Engineering - Design Principles and Practice*. McGraw-Hill, New York, USA.
- Davis, M.L., Cornwell, D.A., 1998. *Introduction to Environmental Engineering*, 3 ed. WCB McGraw-Hill, Singapore.
- Direktorat PSPAM, 2017. *Dokumen Petunjuk Teknis - Peraturan Menteri PUPR No.27 Tahun 2016 tentang Penyediaan SPAM*. Direktorat PSPAM-Kementerian PUPR, Jakarta.
- Elissa, A., Saptomo, S.K., 2020. Analisis Timbunan Lumpur dan Kualitas Lumpur Hasil Proses Pengolahan Air Bersih di WTP Kampus IPB Dramaga Bogor. *Jurnal Teknik Sipil dan Lingkungan* 5, 31–40. <https://doi.org/10.29244/jsil.5.1.31-40>
- EPA/ASCE/AWWA, 1996. *Technology Transfer Handbook-Management of Water Treatment Plant Residuals*. American Society of Civil Engineers & American Water Works Association, Ohio, USA.
- EPA, 2011. *Drinking Water Treatment Plant Residuals Management Technical Report*. US Environmental Protection Agency, Washington DC, USA.
- EPA, 2006. *Volunteer Estuary Monitoring, A Methods Manual*, 2nd ed. US Environmental Protection Agency, Washington DC, USA.
- Filho, S.S.F., Piveli, R.P., Cutolo, S.A., De Oliveira, A.A., 2013. Water Treatment Plant Sludge Disposal into Stabilization Ponds. *Water Science and Technology* 67, 1017–1025. <https://doi.org/10.2166/wst.2013.652>
- Fitri, H., 2013. Dampak Pembuangan Lumpur Perusahaan Daerah Air Minum Kota Pontianak terhadap Kualitas Air Sungai Kapuas. *Jurnal Teknologi Lingkungan Lahan Basah-Universitas Tanjungpura Pontianak* 1, Hal.1-10. <https://doi.org/10.26418/jtlb.v1i1.1899>
- Fondriest Environmental, 2014. *Turbidity, Total Suspended Solids & Water Clarity - Fundamentals of Environmental Measurement [WWW Document]*. URL <https://www.fondriest.com/environmental-measurements/parameters/water-quality/turbidity-total-suspended-solids-water-clarity/#Turbid21> (diakses 1.25.20).
- Gastaldini, A.L.G., Hengen, M.F., Gastaldini, M.C.C., Do Amaral, F.D., Antolini, M.B., Coletto, T., 2015. The Use of Water Treatment Plant Sludge Ash as a Mineral Addition. *Construction and Building Materials* 94, 513–520. <https://doi.org/10.1016/j.conbuildmat.2015.07.038>
- Hidalgo, A.M., Murcia, M.D., Gómez, M., Gómez, E., García-Izquierdo, C., Solano, C., 2017. Possible Uses for Sludge from Drinking Water Treatment Plants. *Journal of Environmental Engineering* 143, 04016088. [https://doi.org/10.1061/\(ASCE\)EE.1943-7870.0001176](https://doi.org/10.1061/(ASCE)EE.1943-7870.0001176)
- Julian, D.A., Lindu, M., Winarni, 2015. Studi Pengolahan Lumpur Instalasi Pengolahan Air Minum Taman Kota - Jakarta Barat. *Jurnal Teknik Lingkungan-Universitas Trisakti* 7, 75–80. <https://doi.org/10.25105/urbanenvirotech.v7i2.718>
- Kementerian-LHK, 2017. *Petunjuk Teknis Restorasi Kualitas Air Sungai*. Kementerian Lingkungan Hidup dan Kehutanan, Jakarta.

- Kementerian-LHK, 2015. Statistik Kementerian Lingkungan Hidup dan Kehutanan Tahun 2014. Kementerian Lingkungan Hidup dan Kehutanan, Jakarta.
- Kementerian-LHK, 2014. Peraturan Menteri Lingkungan Hidup Nomor 5 Tahun 2014 tentang Baku Mutu Air Limbah. Kementerian Lingkungan Hidup dan Kehutanan, Jakarta.
- Kementerian-PUPR, 2016. Lampiran 3 Peraturan Menteri PUPR RI No.27 Tahun 2016 tentang Penyelenggaraan Sistem Penyediaan Air Minum. Kementerian Pekerjaan Umum dan Perumahan Rakyat RI, Jakarta.
- Liu, Y., Zhuge, Y., Chow, C.W.K., Keegan, A., Li, D., Pham, P.N., Huang, J., Siddique, R., 2020. Utilization of Drinking Water Treatment Sludge in Concrete Paving Blocks: Microstructural Analysis, Durability and Leaching Properties. *Journal of Environmental Management* 262, 110352. <https://doi.org/10.1016/j.jenvman.2020.110352>
- Mazari, L., Abdessemed, D., Szymczyk, A., 2018. Evaluating Reuse of Alum Sludge as Coagulant for Tertiary Wastewater Treatment. *Journal of Environmental Engineering (ASCE)* 144, 04018119. [https://doi.org/10.1061/\(ASCE\)EE.1943-7870.0001462](https://doi.org/10.1061/(ASCE)EE.1943-7870.0001462)
- Metcalf&Eddy, 2003. *Wastewater Engineering: Treatment and Reuse*, 4 ed. McGraw-Hill, New York, USA.
- Miyanoshita, T., Oda, N., Hayashi, N., Fujiwara, M., Furumai, H., 2009. Economic Evaluation of Combined Treatment for Sludge from Drinking Water and Sewage Treatment Plants in Japan. *Journal of Water Supply: Research and Technology-Aqua* 58, 221–227. <https://doi.org/10.2166/aqua.2009.043>
- Moerdiyanti, M., Zahara, T.A., Jati, D.R., 2014. Penggunaan Tawas Cair Recovery dari Limbah Padat Lumpur PDAM Kota Pontianak sebagai Koagulan untuk Pengolahan Air Bersih. *Jurnal Teknologi Lingkungan Lahan Basah - Universitas Tanjungpura Pontianak* 2, Hal.1-10. <https://doi.org/10.26418/jtllb.v2i1.5850>
- Muisa, N., Hoko, Z., Chifamba, P., 2011. Impacts of alum residues from Morton Jaffray Water Works on water quality and fish, Harare, Zimbabwe. *Physics and Chemistry of the Earth* 36, 853–864. <https://doi.org/10.1016/j.pce.2011.07.047>
- MWH, 2012. *Principles of Water Treatment*. John Wiley&Sons, Inc, New Jersey, USA.
- Peavy, H.S., Rowe, D.R., Tchobanoglous, G., 1986. *Environmental Engineering*. McGraw-Hill Book Co., Singapore.
- Peck, B.E., Russell, J.S., 2005. Process Residual, in: *Water Treatment Plant Design - AWWA&ASCE*. McGraw-Hill, New York.
- Pemerintah Republik Indonesia, 2001. Peraturan Pemerintah Nomor 82 Tahun 2001 tentang Pengelolaan Kualitas Air dan Pengendalian Pencemaran Air. Pemerintah Republik Indonesia, Jakarta.
- Pratami, M.W., 2011. Skripsi: Perencanaan Sistem Pengolahan Lumpur IPA Pejompong I dan II Jakarta. Universitas Indonesia.

- Pratiwi, R., Rachmawati, S.D., Pharmawati, K., 2015. Perbandingan Potensi Berat dan Volume Lumpur yang Dihasilkan oleh IPA Badak Singa PDAM Tirtawening Kota Bandung Menggunakan Data Sekunder dan Primer. *Jurnal Reka Lingkungan - Institut Teknologi Nasional* 3, 1–11.
- Ray, B.T., 1995. *Environmental Engineering*. PWS Publishing Company, Boston-Massachusetts.
- Rice, E., Baird, R., Eaton, A., 2017. *Standard Methods for the Examination of Water and Wastewater*, 23 ed. American Public Health Association, American Water Works Association, Water Environment Federation, Washington DC.
- Sari, D.A., Kamulyan, B., Triatmodjo, B., 2020. Analisis Kebutuhan Bak Penampung Lumpur IPA sebagai Upaya Pengendalian Dampak Lingkungan. *Jurnal Presipitasi-Universitas Diponegoro* 17, 284–294. <https://doi.org/10.14710/presipitasi.v17i3.284-294>
- Satker PSPAM DIY, 2018. *Foto Dokumentasi SPAM Kartamantul-Sistem Bantar (Kementerian PUPR)*. Yogyakarta.
- Selasar.co, 2020. Warga Protes, PDAM Buang Air Limbah Hitam Pekat ke Sungai [WWW Document]. URL <https://selasar.co/read/2020/03/02/986/warga-protes-pdam-buang-air-limbah-hitam-pekat-ke-sungai> (diakses 11.16.20).
- Turner, T., Wheeler, R., Stone, A., Oliver, I., 2019. Potential Alternative Reuse Pathways for Water Treatment Residuals: Remaining Barriers and Questions—a Review. *Water, Air, & Soil Pollution* 230, 227. <https://doi.org/10.1007/s11270-019-4272-0>
- Wati, T., 2015. Tesis: Kajian Evaporasi Pulau Jawa dan Bali Berdasarkan Data Pengamatan 1975-2013. Institut Pertanian Bogor.
- Wickramaarachchi, T.N., Ishidaira, H., Wijayarathna, T.M.N., 2013. Streamflow, Suspended Solids, and Turbidity Characteristics of the Gin River, Sri Lanka. *Journal of the Institution of Engineers, Sri Lanka* 46, 43–51. <https://doi.org/10.4038/engineer.v46i4.6809>
- Willis, J.P., 2005. Clarification, in: *Water Treatment Plant Design - AWWA&ASCE*. McGraw-Hill, Inc, New York, USA.