

DAFTAR PUSTAKA

- Abdullah, M. A., & Mursalin, R. (2021). Condensed Water Recycling in an Air Conditioning Unit. *IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)*, 18(3), 13–19. <https://doi.org/10.9790/1684-1803021319>
- Ahmed, H. M. (2019). Effect of Humidity on the Amount of Water Collected from Air-Condition Systems: Experimental Approach. *Journal of Energy Technologies and Policy*, 9(7), 35–38. <https://doi.org/10.7176/JETP/9-7-05>
- Aji, K. B., Amin, M., & Yuwana, D. S. A. (2021). Analisa Pengaruh Filtrasi Terhadap Penurunan BOD Dan COD Pada Limbah Rumah Tangga di Kelurahan Cacaban Kecamatan Magelang Tengah, Kota Magelang. *Reviews in Civil Engineering (RiCE)*, 5(2), 75–82. <https://doi.org/10.31002/rice.v5i2.4798>
- Al-Kholif, M., Sugito, Pungut, & Sutrisno, J. (2020). Kombinasi Tray Aerator dan Filtrasi untuk Menurunkan Kadar Besi (Fe) dan Mangan (Mn) Pada Air Sumur. *Ecotrophic*, 14(1), 28–36.
- Alom, Md. M., Ahsan, A., & Imteaz, M. (2021). Quantity and Quality of Condensate Air Conditioner Water for Potential Use in Drinking Purpose. *Desalination and Water Treatment*, 210, 164–169. <https://doi.org/10.5004/dwt.2021.26571>
- Al-Rosyid, L. M., Wahyuningtiyas, D. D., Rofiqoh, N. D., & Abiyyi, R. N. (2022). Utilization of Air Conditioning (AC) Wastewater Filtration System As Water Supply for Plants. *Jurnal Teknik Lingkungan*, 28(2), 19–27. <https://doi.org/10.5614/j.tl.2022.28.2.3>
- Amna, U., & Wahyuningsih, P. (2019). Penerapan Sistem Filtrasi Tunggal Menggunakan Zeolit Dan Arang Aktif dalam Upaya Penyediaan Air Bersih di Desa Paya Bujok Seuleumak, Kota Langsa, Aceh. *Jurnal Kimia Sains dan Terapan*, 1(2), 18–23. <http://www.kelair.bpppt.go.id/Sitpa/Artikel/Filter/filt>
- Anandhita, S. H. (2019). *Perencanaan Instalasi Pengolahan Air Limbah (IPAL) Pada Rumah Pemotongan Ayam (RPA) di Wilayah Sleman, Yogyakarta* [Universitas Islam Indonesia]. <https://dspace.uui.ac.id/handle/123456789/16333>
- Bakker, A., Siegel, J. A., Mendell, M. J., & Peccia, J. (2018). Building and Environmental Factors That Influence Bacterial and Fungal Loading on Air Conditioning Cooling Coils. *Indoor Air*, 28(5), 689–696. <https://doi.org/10.1111/ina.12474>
- BAN-PT. (2023). *Akreditasi Institusi Universitas Andalas*.
- Benyamin, Y., Suwari, & Darmakusuma, D. (2020). Efektivitas Pengolahan Limbah Cair RSUD Kefamenanu Melalui Proses Filtrasi (Effectiveness of Liquid

- Waste Treatment of RSUD Kefamenanu Through Filtration Process). *Jurnal Biologi Edukasi Edisi*, 25(2), 43–47.
- Bradley, T. C., Haas, C. N., & Sales, C. M. (2020). Nitrification in Premise Plumbing: A Review. *Water (Switzerland)*, 12(3). <https://doi.org/10.3390/w12030830>
- Busyairi, M., Dewi, Y. P., & Widodo, D. I. (2016). Efektivitas Kaporit Pada Proses Klorinasi Terhadap Penurunan Bakteri Coliform dari Limbah Cair Rumah Sakit X di Samarinda (The Effectiveness of Calcium Hypochlorite to Chlorination Process in Decreasing the Amount of Coliform Bacteria in the Wastewater of X). *Jurnal Manusia dan Lingkungan*, 23(2), 156–162. <https://doi.org/10.22146/jml.18786>
- Chaerul, M., & Susangka, D. A. (2011). Pemilihan Teknologi Pengomposan Sampah Kota dengan Pendekatan Analytic Hierarchy Process. *Jurnal Purifikasi*, 12(1), 71–78.
- Chairunnissa, A. A., Prasetyo, D., & Mulyadi, E. (2021). Pembuatan Air Demineral Menggunakan Membran Reverse Osmosis (RO) dengan Pengaruh Debit dan Tekanan. *Jurnal Teknik Kimia*, 5(2), 66–72.
- Crini, G., & Lichtfouse, E. (2019). Advantages and Disadvantages of Techniques Used for Wastewater Treatment. *Environmental Chemistry Letters*, 17(1), 145–155. <https://doi.org/10.1007/s10311-018-0785-9>
- Davis, L. W., & Gertler, P. J. (2015). Contribution of Air Conditioning Adoption to Future Energy Use Under Global Warming. Dalam B. L. Turner (Ed.), *Proceedings of the National Academy of Sciences of the United States of America* (Vol. 112, Nomor 19, hlm. 5962–5967). National Academy of Sciences. <https://doi.org/10.1073/pnas.1423558112>
- Davis, M. L. (2011). *Water and Wastewater Engineering: Design Principles and Practice* (Professional). The McGraw-Hill Companies. <https://www.accessengineeringlibrary.com/browse/water-and-wastewater-engineering-design-principles-and-practice>
- Deka, K., Bordoloi, D., Khound, A. J., Bharali, M. J., & Chelleng, R. (2022). A Review on Aeration Process and Different Types of Aerators Used in Various Aquaculture Systems. *International Journal of Current Microbiology and Applied Sciences*, 11(6), 353–358. <https://doi.org/10.20546/ijcmas.2022.1106.039>
- Deviprasad, PK, D., Ahmed, F., TG, K., Umraz, M., & Mulk, Z. (2023). An Experimental Study on Optimizing Wastewater Filtration through Conventional and Capped Rapid Sand Filter. *International Journal for Research in Applied Science and Engineering Technology*, 11(6), 1172–1177. <https://doi.org/10.22214/ijraset.2023.53693>

- Emmanuel, E. B., Korede, T. A., Bolatito, N. M., Austin, K. O., Olajide, E. A., Abiola, M. M., Faluyi, O., & Humphrey, E. O. (2024). Assessment of Heavy Metal Concentrations in Condensate from Selected Air Conditioners at Ofrima, Senate Building and Library, University of Port Harcourt. *Asian Journal of Basic Science & Research*, 06(03), 120–129. <https://doi.org/10.38177/AJBSR.2024.6314>
- EPA, E. P. A. (2015). *Dissolved Oxygen*. Causal Analysis/Diagnosis Decision Information System (CADDIS). https://www.epa.gov/caddis/dissolved-oxygen?utm_source=
- Exposto, L. A. S. M., Lino, M. N., Quim, J. A. C., Goncalves, M. J., & Vicente, H. P. (2021). Efforts to Improve Clean Water Quality to Support Community Health. *KESANS: International Journal of Health and Science*, 1(3), 236–251. <https://doi.org/10.54543/kesans.v1i3.24>
- Feng, Y., Zhang, H., Jia, P., Fan, M., Wan, T., Ji, Y., & Zhu, J. (2025). Optimal Control of Iron Release in Drinking Water Distribution Systems Fed with Desalinated Water. *Water (Switzerland)*, 17(16). <https://doi.org/10.3390/w17162474>
- Fitri, R. L., Putri, R. N., Fitriyah, S., Shaliha, L., & Sari, R. (2024). Penerapan Uji Rank Spearman Terhadap Analisis Hubungan Tingkat Kemampuan Matematika Dengan Nilai Akhir Mata Kuliah Statistika dan Data Sains. *IJEDR: Indonesian Journal of Education and Development Research*, 2(1), 570–574.
- Frizzlife. (2025). *Whole Home Filtration*. https://www.frizzlife.com/es/blogs/guide/whole-home-filtration-guide-of-water-filtration-system-and-filter?utm_source
- FT-UNAND. (2022). *Sejarah FT-UNAND*. Profil FT-UNAND. https://www.ft.unand.ac.id/profil/sejarah?utm_source=
- FT-UNAND. (2023). *Rencana Strategis Fakultas Teknik Universitas Andalas Periode 2021-2025*.
- Galindo, R. M. (2019). Air Conditioning Condensate: A Potential Water Source and a Creeping Destroyer. *Proceedings of International Conference (ICTCBW 2019) at Cebu Technological University, Cebu, Philippines*.
- Gemala, M., & Ulfah, N. (2020). Efektifitas Metode Kombinasi Pasir Zeolit dan Arang Aktif dalam Pengolahan Air Lindi di Tempat Pembuangan Akhir (TPA). *Jurnal Teknik Kimia dan Lingkungan*, 2020(2), 162–167. www.jtkl.polinema.ac.id
- Gunawan, H., Soewono, A., Wirahadi, P., Hadiyatno, T., Jaya, A., & Adi Daya Tehnik, P. (2022). Kaji Eksperimen Pemanfaatan Kalor Terbuang pada Air Conditioner (AC) Tipe Split untuk Memanaskan Air. *Cylinder*, 08(01).

- Hartono, D. M., Gusniani, I., Kristanto, G. A., & Subekti, R. J. (2010). Evaluasi Unit Pengolahan Air Minum Instalasi PDAM Rawa Lumbu 4, Bekasi. *Jurnal Purifikasi*, 11(2), 119–128.
- HomeGuide. (2025). *How much does a home water filtration system cost?* https://homeguide.com/costs/water-filtration-system-cost?utm_source
- Huang, I. B., Keisler, J., & Linkov, I. (2011). Multi-Criteria Decision Analysis in Environmental Sciences: Ten years of Applications and Trends. *Science of The Total Environment*, 409(19), 3578–3594. <https://doi.org/10.1016/j.scitotenv.2011.06.022>
- IAPMO, I. A. of P. and M. O. (2012). *2012 UNIFORM PLUMBING CODE* ® An American National Standard (26 ed., Vol. 1). The International Association of Plumbing and Mechanical Officials. <http://www.iapmo.org/pages/>
- Indraswati, D. (2023). *Mikrobiologi Lingkungan*. Poltekkes Kemenkes Surabaya.
- Jabnabillah, F., & Margina, N. (2022). Analisis Korelasi Pearson dalam Menentukan Hubungan Antara Motivasi Belajar dengan Kemandirian Belajar pada Pembelajaran Daring. *Jurnal Sintak*, 1(1), 14–18. <https://doi.org/>
- Jaeel, A. J., & Abdulkathum, S. (2018). Sustainable Pollutants Removal from Wastewater Using Sand Filter: A Review. *2018 International Conference on Advance of Sustainable Engineering and its Application (ICASEA)*, 179–183. <https://doi.org/10.1109/ICASEA.2018.8370979>
- Juhra, F., Firdausy, M. A., & Amelia, S. (2025). Analisis Korelasi Antara Parameter Kualitas Air Limbah Domestik dan Efisiensi Penyisihan Beban Pencemar Pada Instalasi Pengolahan Air Limbah (IPAL) di Kota Banjarmasin. *Jurnal Teknik Lingkungan*, 11(2), 36–46.
- Karande, P., Zavadskas, E. K., & Chakraborty, S. (2016). A Study on the Ranking Performance of Some MCDM Methods for Industrial Robot Selection Problems. *International Journal of Industrial Engineering Computations*, 7(3), 399–422. <https://doi.org/10.5267/j.ijiec.2016.1.001>
- KEMDIKTISAINTEK. (2025). *Pangkalan Data Pendidikan Tinggi Universitas Andalas*. Pangkalan Data Pendidikan Tinggi. Pangkalan Data Pendidikan Tinggi
- Khan, S. A., & Al-Zubaidy, S. N. (2013). Conservation of Potable Water Using Chilled Water Condensate from Air Conditioning Machines in Hot & Humid Climate. *International Journal of Engineering and Innovative Technology (IJEIT)*, 3, 182–188.
- Komala, P. S., Nur, A., & Fitria, I. R. (2024). Evaluasi Kinerja Instalasi Pengolahan Air Minum (IPA) Universitas Andalas. *Dampak*, 21(2), 7–17. <https://doi.org/10.25077/dampak.21.2.7-17.2024>

- Komala, P. S., Nur, A., Ridwan, R., & Emida, S. (2025). Simulasi Sistem Jaringan Distribusi Air Minum di Kampus Unand Menggunakan EPAnet. *Jurnal Ilmu Lingkungan*, 23(3), 703–711. <https://doi.org/10.14710/jil.23.3.703-711>
- Komala, P. S., Nur, A., Ridwan, & Rinanda, B. L. (2025). Analisis Alat Plambing Hemat Air di Gedung Perkantoran (Studi Kasus: Gedung Rektorat Universitas Andalas). *Jukung Jurnal Teknik Lingkungan*, 11(1), 13–24.
- Kurniawati, M., Oslan, Y., & Proboyekti, U. (2009). Implementasi Weight Scoring System dalam Perekomendasi Jumlah Pembelian Suatu Judul Buku. *Jurnal Eksis*, 2(2), 10–17.
- Kusumadewi, R. A., & Sani, I. K. (2019). The Use of Multi-Criteria Analysis in Selecting Water Treatment Units in Sadu Water Treatment Plant, Bandung District, West Java Province, Indonesia. *Journal of Community Based Environmental Engineering and Management*, 3(2), 65–78.
- Magrini, A., Cattani, L., Cartesegna, M., & Magnani, L. (2017). Water Production from Air Conditioning Systems: Some Evaluations about a Sustainable Use of Resources. *Sustainability*, 9(8), 1309. <https://doi.org/10.3390/su9081309>
- Mahfouz, M. M., Yigiterhan, O., Elnaiem, A. E., Hassan, H. M., & Alfoldy, B. (2019). Elemental Compositions of Particulate Matter Retained on Air Condition Unit's Filters at Greater Doha, Qatar. *Environmental Geochemistry and Health*, 41(6), 2533–2548. <https://doi.org/10.1007/s10653-019-00304-8>
- Maiyo, J. K., Dasika, S., & Jafvert, C. T. (2023). Slow Sand Filters for the 21st Century: A Review. *International Journal of Environmental Research and Public Health*, 20(2), 1019. <https://doi.org/10.3390/ijerph20021019>
- Malay, N. M. (2022). *Analisis Data dengan SPSS dan JASP* (1 ed., Vol. 2). CV. Madani Jaya.
- Mappeasse, M. Y., Rahman, E. S., & Prasajo, K. (2023). *Perawatan dan Perbaikan Air Conditioner (AC) Split* (1 ed., Vol. 1). Eureka Media Aksara.
- Matarneh, S., AlQaraleh, L., Alkhrrissat, T., & Abdel-Jaber, M. (2024). Assessing Water Production from Air Conditioning Systems As An Unconventional Supply Source: A Focus on Water Quality and Social Acceptance Perspectives. *Case Studies in Chemical and Environmental Engineering*, 9, 1–13. <https://doi.org/10.1016/j.cscee.2023.100585>
- Metsämuuronen, S., Sillanpää, M., Bhatnagar, A., & Mänttari, M. (2014). Natural Organic Matter Removal from Drinking Water by Membrane Technology. *Separation & Purification Reviews*, 43(1), 1–61. <https://doi.org/10.1080/15422119.2012.712080>
- Minarni, Jati, D. R., & Desmaiani, H. (2023). Perencanaan Pemanfaatan Air Buangan Air Conditioner (AC) Sebagai Air Bersih: Studi Kasus Gedung

Perpustakaan Pusat Universitas Tanjungpura. *Jurnal Teknologi Lingkungan Lahan Basah*, 11(2), 304–313.

Miranzadeh, M. B., Rabbani, D., Mostafaii, G., Akbari, H., Arani, M. H., & Mohebbi, F. (2022). A Study on Quantitative and Qualitative Characteristics of Water Obtained from the Air Conditioning Systems. *Desalination and Water Treatment*, 261, 249–255. <https://doi.org/10.5004/dwt.2022.28539>

Muhid, A. (2019). *Analisis Statistik (5 Langkah Praktis Analisis Statistik dengan SPSS for Windows) Edisi ke 2* (D. N. Hidayat, Ed.; 2 ed., Vol. 2). Zifatama Jawa.

Nanda, M., Asy-Syifaa, P., Fadila, A., Zuhra, R., Yusuf, M., Wulandari, P., & Harahap, A. A. (2023). Analisis Ketersediaan Air Bersih dan Penyediaan Air Minum Rumah Tangga di Kelurahan Bagan Deli, Kecamatan Belawan, Kabupaten Deli Serdang. *Communnity Development Journal*, 4(3), 5704–5707.

Nannan, L., & Li, J. (2021). Prospects of Air Conditioning Condensate Recovery and Utilization Technology. *IOP Conference Series: Earth and Environmental Science*, 781(4). <https://doi.org/10.1088/1755-1315/781/4/042052>

Nasrum, A. (2018). *Uji Normalitas Data untuk Penelitian* (1 ed., Vol. 1). Jayapangus Press. <http://jayapanguspress.org>

Ningsih, D. A., Nurhasanah, & Fadillah, L. (2019). Efektivitas Pembelajaran di Luar Kelas dalam Pembentukan Sikap Percaya Diri Peserta Didik pada Mata Pelajaran IPA di Kelas V SDN 190 Cenning. *Jurnal Pendidikan Dasar dan Keguruan*, 4(2), 1–12. <http://journal.iaimsinjai.ac.id/index.php/JPKDK>

Nisar, M. Bin, Shah, S. A. R., Tariq, M. O., & Waseem, M. (2020). Sustainable wastewater treatment and utilization: A conceptual innovative recycling solution system for water resource recovery. *Sustainability (Switzerland)*, 12(24), 1–17. <https://doi.org/10.3390/su122410350>

Nugroho, S. (2008). *Statistika Non-Parametrik* (J. Rizal, Ed.; 1 ed., Vol. 1). UNIB Press.

Nuryadi, Astuti, T. D., Utami, E. S., & Budiantara, M. (2017). *Dasar-Dasar Statistik Penelitian* (1 ed., Vol. 1). Sibuku Media. www.sibuku.com

Obringer, R., Nateghi, R., Maia-Silva, D., Mukherjee, S., Vineeth, C. R., McRoberts, D. B., & Kumar, R. (2022). Implications of Increasing Household Air Conditioning Use Across the United States Under a Warming Climate. *Earth's Future*, 10(1). <https://doi.org/10.1029/2021EF002434>

Ojajuni, O., Saroj, D., & Cavalli, G. (2015). Removal of Organic Micropollutants Using Membrane-Assisted Processes: A Review of Recent Progress. *Environmental Technology Reviews*, 4(1), 17–37. <https://doi.org/10.1080/21622515.2015.1036788>

- Okeyinka, O. M., Moses Ogundipe, O., Adesogan, S., Ogundipe, O. O., Oloke, D. A., & Adesogan, S. O. (2021). Reclaimed Air Conditioner Condensate as Alternative Source of Water in Hot Humid Region. *IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE)* e-ISSN, 18(6), 25–30. <https://doi.org/10.9790/1684-1806012530>
- Pahude, M. S. (2022). Analisis Kebutuhan Air Bersih di Desa Santigi Kecamatan Tolitoli Utara Kabupaten Tolitoli. *Jurnal Inovasi Penelitian (JIP)*, 3(2), 4801–4809. <https://ejournal.stpmataram.ac.id/JIP/article/download/1744/1345>
- Pandey, B. C. (2022). Review: Reuse of Treated Wastewater. *International Journal for Research in Applied Science and Engineering Technology*, 10(7), 1915–1918. <https://doi.org/10.22214/ijraset.2022.45599>
- Poma, H. R., Gutiérrez Cacciabue, D., Garcé, B., Gonzo, E. E., & Rajal, V. B. (2012). Towards a Rational Strategy for Monitoring of Microbiological Quality of Ambient Waters. *Science of The Total Environment*, 433, 98–109. <https://doi.org/10.1016/j.scitotenv.2012.06.019>
- Prisciandaro, M., Salladini, A., & Barba, D. (2008). *Membrane Filtration of Surface Water for The Removal of Humic Substances*.
- PUPR. (2018). *BUKU B - Pedoman Perencanaan Teknik Terinci Sistem Pengelolaan Air Limbah Domestik Terpusat (SPALD-T)* (1 ed.). Direktorat Jenderal Cipta Karya, Kementerian PUPR Republik Indonesia.
- Qasim, S. R. (1985). *Wastewater Treatment Plants: Planning, Design, and Operation* (CRC Press LLC, Ed.; 2 ed.). Technomic Publishing. www.crcpress.com
- Rachmawan, O. (2001). *Modul Dasar Bidang Keahlian (Kode Modul SMKPIE03-04DBK): Sumber Kontaminasi dan Teknik Sanitasi*. Departemen Pendidikan Nasional.
- Rachmawati, & Mulyono. (2019, Oktober 5). Pemanfaatan Buangan AC untuk Memenuhi Kebutuhan Air Bersih Pada Praktikum di Laboratorium Kimia Fisika. *Prosiding Seminar Nasional Kimia FMIPA Universitas Negeri Surabaya*.
- Rahardjo, C. A. (2018). *Potensi Penggunaan Kembali Air Buangan AC, Air Hujan, dan Air Bekas Wudhu di Lingkungan Kampus PENS dan PPNS*.
- Rahmawan, M. F., Pramitasari, N., & Kartini, A. M. (2023). Pengaruh Aerasi Terhadap Penurunan Kadar COD Limbah Cair Laundry Pada Proses Fitotreatment Menggunakan Tanaman Eceng Gondok (*Eichhornia Crassipes*). *Jurnal Sains dan Teknologi Lingkungan*, 15(1), 89–105.
- Rachmawati, R., & Amalia, A. (2024). Perbandingan Efektivitas Unit Filtrasi Pada Instalasi Pengolahan Air Unit III dan IV Legundi Gresik. *Jurnal Teslink* :

Teknik Sipil dan Lingkungan, 6(2), 397–407.
<https://doi.org/10.52005/teslink.v1i1s1.xxx>

- Ren, C., Zhang, Q., Wang, H., & Wang, Y. (2021). Identification of Sources and Transformations of Nitrate in The Intense Human Activity Region of North China Using a Multi-Isotope and Bayesian Model. *International Journal of Environmental Research and Public Health*, 18(16), 1–16.
<https://doi.org/10.3390/ijerph18168642>
- Rini, D. S., & Faisal, F. (2015). Perbandingan Power of Test dari Uji Normalitas Metode Bayesian, Uji Shapiro-Wilk, Uji Cramer-von Mises, dan Uji Anderson-Darling. *Gradien*, 11(2), 1101–1105.
- Riyanti, D., Broto, W. R. T., Arifan, F., & Setyati, W. A. (2020). Pemanfaatan dan Pengolahan Sumber Air Menjadi Air Bersih Menggunakan Metode Filtrasi di Desa Regunung, Kecamatan Tenganan, Kabupaten Semarang. *PENTANA*, 01(1), 1–5.
- Rohmah, S. (2015). *Potensi Air Buangan Air Conditioning untuk Air Minum*. Institut Teknologi Sepuluh Nopember.
- Roll, I. B., Halden, R. U., & Pycke, B. F. G. (2015). Indoor Air Condensate As A Novel Matrix for Monitoring Inhalable Organic Contaminants. *Journal of Hazardous Materials*, 288, 89–96.
<https://doi.org/10.1016/j.jhazmat.2015.01.043>
- Rosariawari, F., Wijayanto, E. M., & Farahdiba, A. U. (2019). Penyisihan Total Suspended Solid (TSS) Air Sungai dengan Hidraulis Koagulasi-Flokulasi. *Jurnal Envirotek*, 11(2), 53–59. <https://doi.org/10.33005/envirotek.v1i2.12>
- Roy, D., Khosravanipour Mostafazadeh, A., Drogui, P., & Tyagi, R. D. (2020). Removal of Organic Micro-Pollutants by Membrane Filtration. Dalam *Current Developments in Biotechnology and Bioengineering* (hlm. 281–307). Elsevier.
<https://doi.org/10.1016/B978-0-12-819594-9.00012-7>
- Sabnis, A., Kale, M., Dhanorkar, M., & Kale, S. P. (2020). Quality Testing of Air Conditioner Condensate and Its Potential in Water Conservation. *Journal of Water Resource and Protection*, 12(02), 93–101.
<https://doi.org/10.4236/jwarp.2020.122006>
- Safitri, N., & Jawwad, M. A. S. (2025). Perencanaan Sistem Penyaluran dan Pengolahan Air Limbah Domestik Industri Produksi Bahan Kimia PT X Jawa Timur. *Globe: Publikasi Ilmu Teknik, Teknologi Kebumihan, Ilmu Perkapalan*, 3(1), 39–50. <https://doi.org/10.61132/globe.v3i1.733>
- Samik, Setiarso, P., & Gusti Made Sanjaya, I. (2017). Pemanfaatan Air Buangan Air Conditioner (AC) Sebagai Pengganti Akuades. *Indonesian Chemistry and Application Journal (ICAJ)*, 1(1), 2017.

- Scalize, P. S., Soares, S. S., Alves, A. C. F., Marques, T. A., Mesquita, G. G. M., Ballaminut, N., & Albuquerque, A. C. J. (2018). Use of Condensed Water from Air Conditioning Systems. *Open Engineering*, 8(1), 284–292. <https://doi.org/10.1515/eng-2018-0031>
- Seo, M., Lee, H., & Kim, Y. (2019). Relationship between Coliform Bacteria and Water Quality Factors at Weir Stations in the Nakdong River, South Korea. *Water*, 11(6), 1171. <https://doi.org/10.3390/w11061171>
- Setyawan, D. A. (2021). *Statistika Kesehatan: Analisis Bivariat pada Hipotesis Penelitian* (A. B. Astuti & W. Setyaningsih, Ed.; 1 ed., Vol. 1). CV. Tahta Media Group.
- Skoczko, I. (2025). Energy Efficiency Analysis of Water Treatment Plants: Current Status and Future Trends. *Energies*, 18(5), 1–35. <https://doi.org/10.3390/en18051086>
- SNI. (2005). *SNI 03-7065-2005 tentang Tata Cara Perencanaan Sistem Plambing*.
- Suardi. (2019). Pengaruh Kepuasan Kerja Terhadap Kinerja Pegawai Pada PT Bank Mandiri, Tbk Kantor Cabang Pontianak. *JBEE: Journal Business Economics and Entrepreneurship*, 1(2), 9–18. <http://jurnal.shantibhuana.ac.id/jurnal/index.php/bee>
- Subandi. (2019). Pengelolaan Air Buangan AC Secara Integral Untuk Mengurangi Anggaran Belanja Bahan Praktek dan Keperluan Akademik. *Prosiding Seminar Nasional Pengembangan Teknologi Pertanian Politeknik Negeri Lampung*, 23–26. <http://jurnal.polinela.ac.id/index.php/PROSIDING>
- Subhaktiyasa, P. G. (2024). Menentukan Populasi dan Sampel: Pendekatan Metodologi Penelitian Kuantitatif dan Kualitatif. *Jurnal Ilmiah Profesi Pendidikan*, 9(4), 2721–2731. <https://doi.org/10.29303/jipp.v9i4.2657>
- Sumakul, H. W. (2019). *Efektivitas Penurunan Kadar Besi (Fe) dan Kekeruhan Pada Air Tanah dengan Penambahan Media Kulit Ubi Kayu (Manihot esculenta crantz)* [Skripsi]. Universitas Islam Negeri Alauddin.
- Sumeru, K., Pangripto, T., Hafidzudin, A. M., Ferdiansyah, R., & Sukri, M. F. bin. (2024). Condensate Production Rate from Residential Air Conditioning at Different Outdoor Air Conditions. *THERMOFLUID XII: The 12th International Conference on Thermofluids 2021*, 070002. <https://doi.org/10.1063/5.0188790>
- Syahputra, B., Soedarsono, & Poedjiastoeti, H. (2009). *Buku Ajar Perancangan Bangunan Pengolahan Air Minum*. Sultan Agung Press. <https://www.researchgate.net/publication/362429794>
- Syamsuar, G. (2020). Modul Workshop Statistika (EKM235). Dalam *Workshop Analisis Data Non-Parametrik Menggunakan SPSS* (Vol. 1, Nomor 1, hlm. 37–42). Sekolah Tinggi Ilmu Ekonomi Indonesia.

- Syauqiah, I., Wiyono, N., Faturrahman, A., Yani, J. A., 36 Banjarbaru, K., & Selatan, K. (2017). Sistem Pengolahan Air Minum Sederhana (Portable Water Treatment). *Konversi*, 6(1), 28–36. <https://doi.org/10.20527/k.v6i1.4777>
- Syeda, J. A. (2012). Variability Analysis and Forecasting of Relative Humidity in Bangladesh. *J. Environ. Sci. & Natural Resources*, 5(2), 137–147.
- Tchobanoglous, G., Stensel, D. H., Tsuchihashi, R., Burton, F., Abu-Orf, M., Bowden, G., & Pfrang, W. (2014). *Wastewater Engineering - Treatment and Resource Recovery* (5 ed.). McGraw-Hill Education.
- THE, T. H. E. (2025). Universitas Andalas. World University Rankings. <https://www.timeshighereducation.com/world-university-rankings/universitas-andalas>
- Uddin, S., Alam, A., Omar, A., & Alam, M. A. (2019). Assessment of Quantity and Quality of Condensate Water from Air Conditioners. *Proceedings 2nd International Conference on Water and Environmental Engineering*, 19–22. <https://www.researchgate.net/publication/333015165>
- UNAND. (2023, Oktober 30). Sistem Penyediaan Air Minum (SPAM) Universitas Andalas. Smart & Green Campus. <https://green.unand.ac.id/index.php/smart/water/105-sistem-penyediaan-air-minum-spam-unand>
- UNAND. (2025). Fasilitas Kampus UNAND. Kemahasiswaan - Kehidupan Kampus. <https://www.unand.ac.id/kemahasiswaan/kehidupan-kampus/fasilitas>
- Utari, A. W., & Herdiansyah, H. (2020). Using Filtration as a Technology to Remove Pollutants in Domestic Wastewater. *IOP Conference Series: Materials Science and Engineering*, 725(1), 012025. <https://doi.org/10.1088/1757-899X/725/1/012025>
- Watanabe, K., Yanagi, U., Shiraishi, Y., Harada, K., Ogino, F., & Asano, K. (2022). Bacterial Communities in Various Parts of Air-Conditioning Units in 17 Japanese Houses. *Microorganisms*, 10(11), 2246. <https://doi.org/10.3390/microorganisms10112246>
- Wicaksono, F. A., Subekti, & Indriyanto, K. (2021). Analisis Pengaruh Penyumbatan Aliran Fluida Pada Pipa dengan Metode Fast Fourier Transform. *Jurnal Dinamika Vokasional Teknik Mesin*, 6(1), 77–83.
- Wijaya, E., Indriyati, R., Rinawati, Utami, R. N., Negsih, T. A., Suharyanto, Hermawan, E., Deseria, R., Aziza, N., Judijanto, L., & Mardikawati, B. (2024). *Pengantar Statistika (Konsep Dasar untuk Analisa Data)* (N. G. Permata, Ed.; 1 ed., Vol. 1). Sonpedia Publishing Indonesia. www.sonpedia.com

- Yolanda, Y. (2023). Analisa Pengaruh Suhu, Salinitas dan pH Terhadap Kualitas Air di Muara Perairan Belawan. *Jurnal Teknologi Lingkungan Lahan Basah*, 11(2), 329–337.
- Zhu, D., Cheng, X., Sample, D. J., Qiao, Q., & Liu, Z. (2023). Effect of Water Temperature on Internal Nitrogen Release from Sediments in the Pearl River Delta Region, China. *Hydrology Research*, 54(9), 1055–1071. <https://doi.org/10.2166/nh.2023.056>
- Zhu, I. X., & Bates, B. J. (2013). Conventional Media Filtration with Biological Activities. Dalam *Water Treatment* (hlm. 137–166). InTech. <https://doi.org/10.5772/50481>
- Zulya, F., Adnan, F., Dewi, Y. P., Nugroho, S., Manik, I. M., Tirana, Y., Rahni, R., Difachwan, M. Z., Widiyanto, R. F., Faizah, M. I. N., & Waryati. (2022). Perancangan Cascade Aerator untuk Menurunkan Parameter Besi (Fe) dan Mangan (Mn) dalam Pengolahan Air Sumur. *Jurnal Teknologi Lingkungan UNMUL*, 6(2), 18–23.

