

## DAFTAR PUSTAKA

- Aa, A., Rmsr, M., Aa, W., Nr, N., J, M. R., & Mk, A. H. (2017). *Efficiency of Moringa oleifera Seeds for Treatment of Laundry Wastewater*. 06001, 1–8.  
<https://doi.org/10.1051/mateconf/201710306001>
- Agudelo-escobar, L. M., Cabrera, S. E., & Rossa, C. A. (2022). *A Bioelectrochemical System for Waste Degradation and Energy Recovery From Industrial Coffee Wastewater*. 4(February), 1–16. <https://doi.org/10.3389/fceng.2022.814987>
- Akhere, M. A., & Chukwuka, H. (2023). *Phycoremediation of Laundry Wastewater Using *Chlorella vulgaris* ( Beijerinck )*. 24(2), 175–182.  
<https://doi.org/10.26538/africanscientist.24.2.20230604>
- Alhinai, A. S. (2020). *Laundry Wastewater Characterization And Treatment For Reuse Purposes In Oman*. 211–219. <https://doi.org/10.1680/oicwe.65253.211>
- Almroth, B. C., Åström, L., Roslund, S., Petersson, H., Johansson, M., & Persson, N. (2017). *Quantifying Shedding of Synthetic Fibers From Textiles; A Source of Microplastics Released Into the Environment*. *Environmental Science and Pollution Research*, 25(2), 1191–1199.  
<https://doi.org/10.1007/s11356-017-0528-7>
- Ambima, A. R., Kholif, M. Al, & Fitria, F. L. (2025). *Optimizing Laundry Wastewater Treatment : A Hybrid Approach Using Poly-Aluminum Chloride Coagulation and Activated Carbon Adsorption*. 10(37), 146–154.  
<http://dx.doi.org/10.12962%2Fj25481479.v10i1.22559>
- Apema, F. D., Rahayu, D. E., Adnan, F., & Waryati. (2023). *Penggunaan Media Sarang Tawon Dan Bioball*. 7(1), 81–89.  
<http://dx.doi.org/10.30872/jtlunmul.v7i1.11809>
- Atesci, Z. C., & İnan, H. (2023). *Removal of Microfiber and Surfactants From Household Laundry Washing Effluents by Powdered Activated Carbon: Kinetics and Isotherm Studies*. *Water Science & Technology*, 88(6), 1578–1593.  
<https://doi.org/10.2166/wst.2023.281>
- Boinpally, S., Kolla, A., Kainthola, J., Kodali, R., & Vemuri, J. (2023). *A state-of-the-art review of the electrocoagulation technology for wastewater treatment*. *Water Cycle*, 4, 26–36. <https://doi.org/https://doi.org/10.1016/j.watcyc.2023.01.001>
- Bote, M. E. (2021). *Heliyon Studies on electrode combination for COD removal from domestic wastewater using electrocoagulation*. *HL Y*, 7(12), e08614.  
<https://doi.org/10.1016/j.heliyon.2021.e08614>
- Braga, J. K., & Varesche, M. B. A. (2014). *Commercial Laundry Water Characterisation*. 2014(January), 8–16.  
<https://doi.org/10.4236/ajac.2014.51002>

- Budeli, P., & Sibali, L. L. (2025). Greywater Reuse: Contaminant Profile, Health Implications, and Sustainable Solutions. In *International Journal of Environmental Research and Public Health* **22**(5): 1-28  
<https://doi.org/10.3390/ijerph22050740>
- Budiastuti, H., Badarjihadi, N. S., Purnama, T. D., Widiastuti, E., & Subari. (2024). Carbonization of rice husk for adsorption of phosphate compounds: Influence of temperature and NaOH activator. *04004*, 1–8.  
<https://doi.org/10.1051/e3sconf/202447904004>
- Budihardjo, M. A., Priyambada, I. B., & Purwono, P. (2023). Presipitasi Nutrient Recovery from Agricultural Waste Water Using Electrocoagulation Process. *20*(1), 44–52. <https://doi.org/10.14710/presipitasi.v20i1.44-52>
- Cabrera, S. E., & Agudelo-Escobar, L. M. (2023). Determination of Electrogenic Potential and Removal of Organic Matter from Industrial Coffee Wastewater Using a.
- Caetano, M. O., Silva, I., Carvalho, É. C. De, & Gomes, L. P. (2022). Efficiency of electrocoagulation in the treatment of laundromat greywater. 91–101.  
<https://doi.org/10.1590/s1413-4152201900025>
- Cahyani, N. A., & Rosariawari, F. (2025). Efektifitas Metode Elektrokoagulasi Dengan Penambahan Medan Magnet Dalam Menyisihkan TSS dan COD Air Limbah Industri Rumah Potong Hewan. *10*(1), 11560–11570.
- Camelo, L. G. G., Brito, D. O. d., & Almeida, M. C. d. (2024). Performance Evaluation of Wastewater Treatment Plants in Southern Brazil. *Engenharia Sanitaria E Ambiental*. **29**: 1-8. <https://doi.org/10.1590/s1413-415220230060>
- Ceretta, M. B., Necessian, D., & Wolski, E. A. (2021). Current Trends on Role of Biological Treatment in Integrated Treatment Technologies of Textile Wastewater. *12*(March), 1–7. <https://doi.org/10.3389/fmicb.2021.651025>
- Chan, C. K., & Lo, C. K. (2024). A Systematic Literature Review for Addressing Microplastic Fibre Pollution : Urgency and Opportunities.  
<https://doi.org/10.3390/w16141988>
- Collin, G., Farm, Y. Y., Taufiq-yap, Y. H., Pang, C. K., Nga, J. L. H., & Li-, G. (2021). Ozonation treatment processes for the remediation of detergent wastewater : A comprehensive review. *9*(5): 106099.  
<https://doi.org/10.1016/j.jece.2021.106099>
- Cui, H., & Huang, X. (2020). Application progress of enhanced coagulation in water treatment. *10*(24): 20231–20244. <https://doi.org/10.1039/d0ra02979c>
- Cui, W., Yan, Z., Tang, Z., Xu, M., Jian, T., & Shen, C. (2023). Experimental Study on the Treatment of Tertiary Oil Recovery Wastewater via a Novel Electro-Coagulation Method. *Fluid Dynamics & Materials Processing*. **19**(1): 51–60.

- <https://doi.org/10.32604/fdmp.2023.021499>  
 Damayanti, I. F., Hapsari, A., & Al-irsyad, M. (2024). Analisis Kualitas Limbah Cair berdasarkan Perbedaan Waktu Operasional ( Studi Kasus Hotel X ). *6*(6): 583–598. <https://doi.org/10.17977/um062v6i62024p583-598>
- Damayanti, L. K., & Hidayah, E. N. (2021). Pengaruh Adsorben Komersial Terhadap Penurunan Fosfat Dan Surfaktan Anionik (Detergen) Pada Air Limbah Laundry. *2*(1): 18-26. <https://doi.org/10.33005/envirous.v2i1.54>
- Dewi, Y. S. (2023). Efektivitas Penggunaan Koagulan Tawas Dan Kapur Dalam Mereduksi Surfaktan Dan Fosfat Pada Limbah Laundry. *Jurnal Techlink*, *7*(01): 1–11. <https://doi.org/10.59134/jtnk.v7i01.316>
- Duong, P.-H., Nguyen, H.-P., & Huynh, N.-H. T. (2024). Treatment of heavy metal in the plating wastewater by electrocoagulation. <https://doi.org/10.1088/1755-1315/1391/1/012002>
- Ehilen, O. E., Imade, F., Madu, P. C., Oboh, E. O., Ogie-Odia, E. A., Obadoni, B. O., & Mensah, J. K. (2025). Impact of Detergents on Okra Seed Germination, Plant Growth and Soil Properties. *Tenside Surfactants Detergents*, *62*(5): 444–454. <https://doi.org/10.1515/tsd-2025-2657>
- El-Aziz, E. A., El-Rahman, R. A., Mokhtar, A., El-Desoky, S., El-Bahrawy, G., Ezat, H., & Hassabo, A. (2023). Textile Effluent as a Potential Problem for Environmental and Human Health: Causes and Overcome Techniques. *Egyptian Journal of Chemistry*, *66*(12): 445-453 <https://doi.org/10.21608/ejchem.2023.217049.8122>
- Farghaly, M. G., Attia, H., Saleh, A. H., Ramadan, A. S., & elkhalek, M. A. (2021). A Combined Hydrocyclone - Electrocoagulation Treatment for Different Types of Industrial Wastewater. *Physicochemical Problems of Mineral Processing*. *57*(2): 143–155. <https://doi.org/10.37190/ppmp/133165>
- Farid, N., Ullah, A., Khan, S., Butt, S., Khan, A. Z., Afsheen, Z., El-Serehy, H. A., Yasmin, H., Ayaz, T., & Ali, Q. (2023). Algae and Hydrophytes as Potential Plants for Bioremediation of Heavy Metals From Industrial Wastewater. *Water*, *15*(12), 2142. <https://doi.org/10.3390/w15122142>
- Fasihah, N., Maryani, Y., & Heriyanto, H. (2022). Pengolahan Air Limbah Laundry Menggunakan Adsorbensi Cangkang Telur Ayam. *Jurnal Ilmiah Wahana Pendidikan*. *8*(20): 129-139. <https://doi.org/10.5281/zenodo.7239004>
- Fathoni, M. A. S. Al. (2021). The effectiveness of anode variations for electrocoagulation and its application for laundry wastewater treatment The effectiveness of anode variations for electrocoagulation and its application for laundry wastewater treatment. 0–11. <https://doi.org/10.1088/1742-6596/1943/1/012182>
- Fatimah, N., & Akbari, T. (2023). Studi Efektivitas Koagulan Kitosan-Kapur Dalam Menurunkan COD , MBAS dan Fosfat pada Limbah Laundry. *8*(2): 5801–5809.

- García, A. B. E., Szymański, K., & Mozia, S. (2021). *Treatment of laundry wastewater by solar photo-Fenton process at pilot plant scale*. 8576–8584. <https://doi.org/10.1007/s11356-020-11151-x>
- Peralta, E., Martín, E., Barrera-díaz, C., Miranda, V. M., & Blancas, T. T. (2018). *Pretreatment of Real Wastewater from the Chocolate Manufacturing Industry through an Integrated Process of Electrocoagulation and Sand Filtration*. **2018**(1): 1-7. <https://doi.org/10.1155/2018/2146751>
- Garmini, R., & Zairinayati, Z. (2022). Penurunan Kadar Fosfat Limbah Cair Usaha Laundry Dengan Karbon Aktif Sekam Padi. *Jurnal Delima Harapan*. **9**(1): 71–76. <https://doi.org/10.31935/delima.v9i1.152>
- González-Nava, V. J., Mijangos, J. C., Frausto-Castillo, R. F., & Bustos, E. (2024). Hemodialysis Wastewater Treatment via Electrocoagulation and Electro-Oxidation: Modular Pilot-Level Modeling and Simulation. *Chempluschem*. **89**(6): e202300671. <https://doi.org/10.1002/cplu.202300671>
- Graça, N. S., & Rodrigues, E. (2022). *The Combined Implementation of Electrocoagulation and Adsorption Processes for the Treatment of Wastewaters*. **4**(4): 1020–1053. <https://doi.org/10.3390/cleantech4040063>
- grégorio, C., Lacalamita, D., Lichtfouse, E., Crini, N., Liu, C., Wilson, L., Picos Corrales, L., Akhere, M., Sotiropoulou, M., Bradu, C., & Mongiovi, C. (2024). Characterization and treatment of industrial *laundry* wastewaters: a review. *Environmental Chemistry Letters*. **22**: 2257–2292. <https://doi.org/10.1007/s10311-024-01770-y>
- Habibah, K. A., Wibowo, E., Ulya, N., Rosi, M., & Sutisna. (2025). *Combining Coagulation and Filtration Methods for the Treatment of Laundry Wastewater*. **2942**: 1-7. <https://doi.org/10.1088/1742-6596/2942/1/012046>
- Harahap, J., Ardianto, R., Muliadita, T. S., Ersa, N. S., & Ashari, T. M. (2025). *The Efficacy of Anaerobic Biofilter and Pre-Aeration with Microbubble Generator for Tofu Wastewater Treatment*. **22**(1), 95–108. <https://doi.org/10.14710/presipitasi.v22i1.95-108>
- Haribowo, R., Rifdah, R., Anggani, T. P., Putra, R., Shiddik, M. J., & Fadhillah, A. R. (2024). The significant impacts of *laundry* wastewater on microplastics: a case study in a residential area. *IOP Conference Series: Earth and Environmental Science*. **1311**(1): 012017. <https://doi.org/10.1088/1755-1315/1311/1/012017>
- Hendrasarie, N., Pratama, Y. A., Sitogasa, P. S. A., Nisa, Z., & Suwandhi, I. A. A. (2023). *Kemampuan Hybrid Anaerobic Baffled Reactor ( ABR ) - Biofilter dalam Menurunkan Total Nitrogen dan Fosfor pada Air Limbah Apartemen*. **21**(3), 574–580. <https://doi.org/10.14710/jil.21.3.574-580>
- Herlina, N., Lubis, M. T., Husin, A., & Putri, I. (2019). *Studies on decreasing Chemical Oxygen Demand ( COD ) on artificial laundry wastewater using anaerobic-*

*aerobic biofilter dipped with bio ball media*. **276**(2019): 12-  
<https://doi.org/10.1051/mateconf/201927606015>

- Hernández, E. G., Nowack, B., & Mitrano, D. M. (2017). Polyester Textiles as a Source of Microplastics From Households: A Mechanistic Study to Understand Microfiber Release During Washing. *Environmental Science & Technology*, **51**(12), 7036–7046. <https://doi.org/10.1021/acs.est.7b01750>
- Hu, S., Zhang, B., & Xu, Y. (2021). *Using electric flocculation to treat domestic laundry wastewater with different types of detergents*. **04008**: 6.  
<https://doi.org/10.1051/e3sconf/202126104008>
- Holt, P. K., Barton, G. W., Mitchell, C. A., & Ward, M. P. (2002). The future for electrocoagulation as a localised water treatment technology. *Chemosphere*. **59**(3): 355-367. <https://doi.org/10.1016/j.chemosphere.2004.10.023>
- Ibrahim, B., & Fahlepi, M. R. (2021). Wastewater Treatment Process From Thawing Of Pindang Industry Using Electrocoagulation. **12**(2): 183–191.  
<https://doi.org/10.24319/jtpk.12.183-191>
- Indah, S., Helard, D., & Lathifatuzzahrah, S. (2022). *Removal of phosphate from laundry wastewater using maize husk as adsorbent*. Indonesian Journal of Industrial Research. **12**(1): pp. 33-40,  
<https://doi.org/10.24960/jli.v12i1.7504.33-40>
- Irawan, C., Mu'minah, R., Purnawilda, A., & Nata, I. F. (2024). Aluminum Waste as Electrode for Home Textile Industry Wastewater Treatment Using Batch Electrocoagulation Process: Studies on Operating Parameters. *Jurnal Sains Materi Indonesia*. **25**(2): 107–114. <https://doi.org/10.55981/jsmi.2024.3120>
- Janpoor, F., Torabian, A., & Khatibikamal, V. (2011). Treatment of *laundry wastewater* by electrocoagulation. *Journal of Chemical Technology & Biotechnology*. **86**(8): 1113-1120. <https://doi.org/10.1002/JCTB.2625>
- Jayanto, G. D., Widyastuti, M., & Hadi, M. P. (2021). *Laundry wastewater characteristics and their relationship with river water quality as an indicator of water pollution . Case study : Code Watershed , Yogyakarta 2 . Research Area Description*. **325** (02011): 1-8. <https://doi.org/10.1051/e3sconf/202132502011>
- Jha, S., & Srikanth.H. (2025). Removal Of Microfiber From Laundry Wastewater Using The Electrocoagulation Method. **25**(S6): 3300–3322.  
<https://doi.org/10.52152/r8t4fw09>
- Kaya, Y., & Dayanir, S. (2020). *Application of nanofiltration and reverse osmosis for treatment and reuse of laundry wastewater*. **18**(2): 699–709.  
<https://doi.org/10.1007/s40201-020-00496-7>
- Khapra, R., & Singh, N. (2023). Physical, Chemical, and Biological Evaluation of Domestic Laundry Greywater Discharges to Attract Reclamation Strategies and Reuse Applications in Urban Settings. *Environmental Quality Management*,

- 33**(3): 209–221. <https://doi.org/10.1002/tgem.22110>
- Klimonda, A., & Kowalska, I. (2025). Water Recovery from Laundry Wastewater by Integrated Purification Systems. In *Membranes*. **15**(4): p. 125. <https://doi.org/10.3390/membranes15040125>
- Lacalamita, D., Mongioví, C., & Crini, G. (2024). Chemical oxygen demand and biochemical oxygen demand analysis of discharge waters from *laundry* industry: monitoring, temporal variability, and biodegradability. *Frontiers in Environmental Science*. **12**: 1387041. <https://doi.org/10.3389/fenvs.2024.1387041>
- Lant, N. J., Hayward, A. S., Peththawadu, M. M. D., Id, K. J. S., & Id, J. R. D. (2020). *Microfiber release from real soiled consumer laundry and the impact of fabric care products and washing conditions*. 1–18. <https://doi.org/10.1371/journal.pone.0233332>
- Li, G., Zheng, B., Zhang, W., Liu, Q., Li, M., & Zhang, H. (2024). *Phosphate Removal Efficiency and Life Cycle Assessment of Different Anode Materials in Electrocoagulation Treatment of Wastewater*. **16**(9): 3836. <https://doi.org/10.3390/su16093836>
- Melián, E. P., Santiago, D. E., León, E., Reboso, J. V., & Herrera-Melián, J. A. (2023). Treatment of laundry wastewater by different processes: Optimization and life cycle assessment. *Journal of Environmental Chemical Engineering*, **11**(2): 109302. <https://doi.org/https://doi.org/10.1016/j.jece.2023.109302>
- Mirandri, S. D., & Purnomo, Y. S. (2021). Penurunan Kadar Detergen (Las) Dan Fosfat Dengan Metode Biofilter Aerob-Anaerob Dan Anaerob-Aerob. **1**(2): 67–76.
- Mirwan, M., & Kusuma, R. M. (2025). *Combination of electrocoagulation and bioethanol to reduce laundry waste surfactant levels*. **2019**(1): 1-13. <https://doi.org/10.1088/1755-1315/1454/1/012027>
- Mmonwuba, N. C., Agunwamba, J. C., Obumneme, A. A., Linus, I. C., & Chukwuemelie, N. A. (2024). *Comparing the Performance of Physical , Chemical and Biological Treatment in Waste Water Remediation*. **18**(12), 571–585. <https://doi.org/10.9734/ajarr/2024/v18i12852>
- Mulyo, S., Hadisusanto, S., & Setyono, P. (2023). *International Journal of Sustainable Development and Planning Identification of Potential Laundry Waste Generation in Yogyakarta , Solutions and Impacts*. **18**(3), 953–959. <https://doi.org/10.18280/ijdsdp.180331>
- Munandar, A., Nabila, K., & Azizah, R. N. (2023). *Chemical Oxygen Demand ( COD ) and Total Suspended Solid ( TSS ) Removal from Rubber Wastewater Factory Using Electrocoagulation Technique*. **7**(1): 27-31. <https://doi.org/10.26554/ijems.2023.7.1.27-31>
- Mustikaayu, E. F., & Noor, R. (2022). *Pengaruh Jarak Elektroda Pada Proses*

*Elektrokoagulasi Terhadap Penurunan Kadar Fosfat , Cod Dan Tss Limbah Cair Laundry.* **5**(1): 15-22. <https://doi.org/10.20527/jernih.v5i1.1419>

Electrocoagulation (EC) science and applications. *Journal of Hazardous Materials.* **84**(1): 29-41. [https://doi.org/10.1016/S0304-3894\(01\)00176-5](https://doi.org/10.1016/S0304-3894(01)00176-5)

Najeeb, R. G., & Abbar, A. H. (2022). *Optimization of COD Removal from Pharmaceutical Wastewater by Electrocoagulation process using Response Surface.* **65**(1): 619–631. <https://doi.org/10.21608/EJCHEM.2021.82809.4107>

Nascimento, C. O. C., Veit, T., Pal, S. M., & Gonçalves, G. C. (2019). *Combined Application of Coagulation / Flocculation / Sedimentation and Membrane Separation for the Treatment of Laundry Wastewater.* **2019**: 1-13. <https://doi.org/10.1155/2019/8324710>

Nasir, F. N., & Titah, H. S. (2024). The Use of Granular Activated Carbon and Zeolite as an Adsorbent to Reduce the Concentration of Phosphate , Chemical Oxygen Demand and Total Suspended Solid in *Laundry Wastewater.* **25**(4): 170–183. <https://doi.org/10.12911/22998993/184089>

Nechita, P. (2018). *Electrocoagulation Technique In The Treatment Of Waste Waters From Paper Recycling.* **2**(5): 47-50. <https://doi.org/10.35219/im.2018.2.05>

Ng, W. J., Ismail, N. 'Izzati, & Yoon, L. W. (2024). *Hibiscus sabdariffa as Coagulant to Treat Laundry Hibiscus sabdariffa as Coagulant to Treat Laundry Wastewater.* **2923**: 1-15 <https://doi.org/10.1088/1742-6596/2923/1/012014>

Nugroho, H., Raharjo, W., & Setiawan, B. (2021). The Effect of Manganese Greensand Addition on Tray Aerator to Reduce COD Levels of *Laundry's Wastewater.* *Journal of Environmental Science and Technology.* **12**(3): 45-52. Diakses dari <https://www.academia.edu/81803121>

Ogundele, O. D., Oyegoke, D. A., & Anaun, T. E. (2023). *Exploring the Potential and Challenges of Electrochemical Processes for Sustainable Waste Water Remediation and Treatment.* **2**(2): 80–93. <https://doi.org/10.56578/atq020203>

Oktiawan, W., Samadikun, B. P., Junaidi, Bramahesa, I. G. N., Taqiyya, T. A., Amrullah, M. R., & Basyar, C. (2021). *Effect of electrode configuration and voltage variations on electrocoagulation process in surfactant removal from laundry wastewater.* **869** (2021): 012049 <https://doi.org/10.1088/1755-1315/896/1/012049>

Pontiani, I., Purnaini, R., & Nugraheni, P. W. (2023). *Penurunan Parameter Pencemar Limbah Laundry Menggunakan Filter Arang Cangkang Kelapa Sawit.* **11**(1), 73–83.

Prabowo, B. H., Hendriyana, Nurdini, L., & Firdaus, M. C. (2019). *Coagulation and Electrocoagulation Methods with The Addition of Hydrogen Peroxide on Laundry Waste Treatment.* **16**(2): 53–58. <https://doi.org/10.31315/e.v16i2.2812>

- Pramastya, C. R., & Rosariawari, F. (2023). *Modifikasi Kombinasi Elektrokoagulasi – Adsorpsi untuk Menyisihkan Fosfat dan TSS pada Limbah Laundry*. **8**(4), 7040–7049. <https://doi.org/10.32672/jse.v8i4.6728>
- Pramita, A., Prasetyanti, D. N., & Fauziah, D. N. (2020). Penggunaan Media *Bioball* Dan Tanaman Kayu Apu ( *Pistia Stratiotes* ) Sebagai Biofilter Aerobik Pada Pengolahan Limbah Cair Rumah. **6**(1): 131–136. <https://doi.org/10.55732/jrt.v6i1.148>
- Prochazkova, M., & Máša, V. (2022). Sustainable Wastewater Management in Industrial Laundries. *Chemical Engineering Transactions*. **94**: 577–582. <https://doi.org/10.3303/CET2294096>
- Pungut, P., Al Kholif, M., & Pratiwi, W. D. I. (2021). Penurunan Kadar Chemical Oxygen Demand (Cod) Dan Fosfat Pada Limbah *Laundry* Dengan Metode Adsorpsi. *Jurnal Sains & Teknologi Lingkungan*. **13**(2): 155–165. <https://doi.org/10.20885/jstl.vol13.iss2.art6>
- Rahendaputri, C. S., Mahendra, R., Prakoso, R. D., & Anggraini, W. D. (2022). *Analisis Kualitas dan Kuantitas Air Limbah Domestik di Institut Teknologi Kalimantan ( Studi Kasus : Gedung B )*. **6**(3): 284–289. <https://doi.org/10.35718/specta.v6i3.762>
- Ramadhan, R. R., Herawati, P., & Hadrah, H. (2023b). Allowance of *Laundry* Wastewater Contaminant Parameters by Electrocoagulation Process. *Fidelity Jurnal Teknik Elektro*. **5**(1): 43–47. <https://doi.org/10.52005/fidelity.v5i1.140>
- Ramcharan, T., & Bissessur, A. (2017). Treatment of *laundry* wastewater by biological and electrocoagulation methods.. *Water science and technology : a journal of the International Association on Water Pollution Research*. **75**(1-2): 84-93. <https://doi.org/10.2166/wst.2016.464>
- Ramona, Y., Dewi, E. A., Ciawi, Y., & Budiarsa, I. W. (2022). *Effectivness of sludge microbial consortia in the bioremediation of detergent-containing launderette wastes*. **5**(2): 103–111. <https://doi.org/10.30862/cassowary.cs.v5.i2.162>
- Risqi, L. B., Budiastuti, M. T. S., & Rosariastuti, R. (2023). Potential Fruit and Vegetable Waste as *Laundry* Liquid Waste Treatmen. **1165**: 0–13. <https://doi.org/10.1088/1755-1315/1165/1/012001>
- Rodzi, N. A. A. M., Kasmuri, N., Zaini, N., Azri, N. A. A., & Nayono, S. E. (2024). Analysis of Algae and Bacteria Mixture in Removing Pollutants From *Laundry* Wastewater. *Iop Conference Series Earth and Environmental Science*. **1303**(1): 12021. <https://doi.org/10.1088/1755-1315/1303/1/012021>
- Ruhela, M., Ahama, F., Bhardwaj, S., & Gupta, U. (2023). *Efficiency assessment of 3.2 MLD MBR based sewage treatment plant of IFFCO township Aonla, Bareilly, Uttar Pradesh, India*. **24**(2): 347–354. <https://doi.org/10.36953/ECJ.23782620>

- Saputra, A., Tiandho, Y., & Afriani, F. (2022). *Studi Kinetika Pada Proses Elektrokoagulasi Zat Warna Metilen Biru*. **3**(1)–11. <https://doi.org/10.33019/jrfi.v3i1.3230>
- Sea, Y. F., Chua, A. S. M., Ngoh, G. C., & Rabuni, M. F. (2024). Integrated Struvite Precipitation and Fenton Oxidation for Nutrient Recovery and Refractory Organic Removal in Palm Oil Mill Effluent. *Water*. **16**(13): 1788. <https://doi.org/10.3390/w16131788>
- Singh, G., Singh, N. B., Shukla, S. P., & Tiwari, M. (2019). Remediation of COD and Color From Textile Wastewater Using Dual Stage Electrocoagulation Process. *Sn Applied Sciences*. **1**(9). <https://doi.org/10.1007/s42452-019-1046-7>
- Sodamade, G. A., & Longe, E. O. (2020). Assessment of on-site wastewater treatment in Urban Coastal Area of Lagos Island , Lagos State , Nigeria. **25**(1): 21-28. <https://doi.org/10.52968/72015388>
- Sugito, Ratnawati, R., & Laba, V. F. (2024). Combined Treatment Of Landfill Leachate Usingcoagulation-Flocculation And Anaerobic-Aerobic Biofilter With *Bioball*. **11**(July): 366–375.
- Sugito, S., Ratnawati, R., & Afiafani, H. (2021). Hybrid Anaerobic Baffled Reactor for Removal of Bod and Phosphate Concentration in Domestic Wastewater. *Indonesian Journal of Urban and Environmental Technology*. **5**(1): 14–27. <https://doi.org/10.25105/urbanenvirotech.v5i1.10571>
- Suprijandani, S., Hadi, S., & Narwati. (2021). *Detergent waste treatment through the modification of biofilter reactors*. **10**(3): 590–599. <https://doi.org/10.11591/ijphs.v10i3.20843>
- Sutama, K., Lestari, D. I., Endah, E., Wardani, K., Fauziah, S. M., & Alfiana, A. F. (2025). *Comparative Efficiency of KOH-Activated Rice Husk Carbon in Adsorbing Pollutants from Laundry and Tofu Wastewater*. **7**(2): 175–188. <https://doi.org/10.30736/seaj.v7i2.1254>
- Tabash, I., Elnakar, H., & Khan, M. F. (2024). Optimization of iron electrocoagulation parameters for enhanced turbidity and chemical oxygen demand removal from laundry greywater. *Scientific Reports*, **16468**: 1–13. <https://doi.org/10.1038/s41598-024-67425-8>
- Tariq, M., Anayat, A., Waseem, M., Rasool, M. H., Zahoor, M. A., Ali, S., Rizwan, M., Abdel-Daim, M. M., & Alkahtani, S. (2020). Physicochemical and Bacteriological Characterization of Industrial Wastewater Being Discharged to Surface Water Bodies: Significant Threat to Environmental Pollution and Human Health. *Journal of Chemistry*. **2020**(1): 1–10. <https://doi.org/10.1155/2020/9067436>
- Tokatlı, C., & Uğurluoğlu, A. (2020). Assessment of Water Contamination in Fluvial Ecosystems of the Thrace Region (Turkey) by Means of Water Quality Index and Geographic Information System Technology. *Acta Scientiarum Polonorum*

*Formatio Circumiectus*, **19**(3): 29–42.

<https://doi.org/10.15576/asp.fc/2020.19.3.29>

Ungureanu, C., Răileanu, S., Ștefan, D. S., Lingvay, I., Tokos, A., & Ștefan, M. (2025). Electric Field Effects on Microbial Cell Properties: Implications for Detection and Control in Wastewater Systems. In *Environments*. **12**(10): p.343.

<https://doi.org/10.3390/environments12100343>

Vasiljevi, S., & Vuji, M. (2023). *Efficiency of Coagulation / Flocculation for the Removal of Complex Mixture of Textile Fibers from Water*. **11**(3): 820-

<https://doi.org/10.3390/pr11030820>

Wahyudianto, F. E., Oktavetri, N. I., & Hariyanto, S. (2019). *Kinetics of Phosporus Removal from Laundry Wastewater in Constructed Wetlands with Equisetum hymale*. **20**(6), 60–65.

Walid, A., Turahmah, F., & Ismarliana, P. (2020). Kinetika Penyisihan Fosfat dari Air Limbah Laundry Menggunakan Sistem Constructed Wetland Dengan Equisetum Hymale. *Ekologia : Jurnal Ilmiah Ilmu Dasar Dan Lingkungan Hidup*. **20**(1): 40–44.

<https://journal.unpak.ac.id/index.php/ekologia>

Wang, C., Chou, W., & Kuo, Y. (2009). Removal of COD from laundry wastewater by electrocoagulation/electroflotation.. *Journal of hazardous materials*. **164** (1): 81-6.

<https://doi.org/10.1016/j.jhazmat.2008.07.122>

Widyaningsih, T. S. (2023). *Pengolahan Limbah Cair Laundry Dengan Menggunakan Bahan Koagulan Tawas Menjadi Air Bersih Dengan Biaya Rendah*. **3**(6): 212-320.

<https://doi.org/10.59818/jpi.v3i3.495>

Wimbaningrum, R., Arianti, I., & Sulistiyowati, H. (2020). *Efektivitas Tanaman Lembang (Typha angustifolia L.) di Lahan Basah Buatan dalam Penurunan Kadar TSS, BOD dan Fosfat pada Air Limbah Industri Laundry*. **8**(1): 25–28.

<https://doi.org/10.19184/bst.v8i1.16499>

Wulandari, M., Dwi, I., Setyorini, W., Handayani, A. M., Ariani, I. K., & Zulfikar, A. (2022). *Performance of Electrocoagulation Process for Microplastic Fibre Removal from Laundry Wastewater*. **19**(1): 34–43.

<https://doi.org/10.14710/presipitasi.v19i1.34-43>

Yaranal, N. A., Kuchibhotla, S. A., Subbiah, S., & Mohanty, K. (2024). *Identification , removal of microplastics and surfactants from laundry wastewater using electrocoagulation method*. **3**(1): 1–15.

<https://doi.org/10.20517/wecn.2023.46>

Yengejeh, S. G., Mansoorian, H. J., Majidi, G., Yari, A. R., & Khanjani, N. (2017). Efficiency of electrical coagulation process using aluminum electrodes for municipal wastewater treatment: a case study at Karaj wastewater treatment plant. *Kerman University of Medical Sciences*. **4**(3): 157–162.

<https://doi.org/10.15171/EHEM.2017.22>

- Zahro, S. F., Setyowati, R. D. N., Nengse, S., & Utama, T. T. (2023). Pengolahan Limbah Cair *Laundry* Menggunakan Kombinasi Media Pasir Silika-Karbon Aktif-Manganese Greensand. *Dampak*. **19**(1): 8–16. <https://doi.org/10.25077/dampak.19.1.8-16.2022>
- Zeng, J., Ji, M., Zhao, Y., Helmer Pedersen, T., & Wang, H. (2021). Optimization of electrocoagulation process parameters for enhancing phosphate removal in a biofilm-electrocoagulation system. *Water Science and Technology: A Journal of the International Association on Water Pollution Research*. **83**(10): 2560–2574. <https://doi.org/10.2166/wst.2021.132>
- Zulfikar, Z., Nasrullah, N., Kartini, K., & Aditama, W. (2022). Effect of Hydraulic Retention Time on the Levels of Biochemical Oxygen Demand and Total Suspended Solid With Simple Integrated Treatment as an Alternative to Meet the Household Needs for Clean Water. *Open Access Macedonian Journal of Medical Sciences*. **10**(E): 6–11. <https://doi.org/10.3889/oamjms.2022.7828>