

DAFTAR PUSTAKA

- Ahmed, M.A., El-Katori, E.E., and Gharni, Z.H., 2013, Photocatalytic degradation of methylene blue dye using Fe₂O₃/TiO₂ nanoparticles prepared by sol-gel method, *Journal of Alloys and Compounds*, 553, 19–29.
- Amdeha, E. and Mohamed, R.S., 2021, A green synthesized recyclable ZnO/MIL-101(Fe) for Rhodamine B dye removal via adsorption and photo-degradation under UV and visible light irradiation, *Environmental Technology (United Kingdom)*, 42 (6), 842–859.
- Araoyinbo, A.O., Bakri Abdullah, M.M. al, Anuar Mohd Salleh, M.A., Abdul Aziz, N.N., and Iskandar Azmi, A., 2018, Phase study of titanium dioxide nanoparticle prepared via sol-gel process, *In: IOP Conference Series: Materials Science and Engineering*. Institute of Physics Publishing.
- Babar, S., Gavade, N., Shinde, H., Mahajan, P., Lee, K.H., Mane, N., Deshmukh, A., Garadkar, K., and Bhuse, V., 2018, Evolution of Waste Iron Rust into Magnetically Separable g-C₃N₄-Fe₂O₃ Photocatalyst: An Efficient and Economical Waste Management Approach, *ACS Applied Nano Materials*, 1 (9), 4682–4694.
- Bharathi, S., Nataraj, D., Mangalaraj, D., Masuda, Y., Senthil, K., and Yong, K., 2010, Highly mesoporous α -Fe₂O₃ nanostructures: Preparation, characterization and improved photocatalytic performance towards Rhodamine B (RhB), *Journal of Physics D: Applied Physics*, 43 (1).
- Chen, C.C., Lu, C.S., Chung, Y.C., and Jan, J.L., 2007, UV light induced photodegradation of malachite green on TiO₂ nanoparticles, *Journal of Hazardous Materials*, 141 (3), 520–528.
- Chen, F., Zhao, J., and Hidaka, H., 2003, *Highly selective deethylation of rhodamine B: Adsorption and photooxidation pathways of the dye on the TiO₂/SiO₂ composite photocatalyst*, INTERNATIONAL JOURNAL OF PHOTOENERGY.
- Chen, Y.E., Cui, J.M., Yang, J.C., Zhang, Z.W., Yuan, M., Song, C., Yang, H., Liu, H.M., Wang, C.Q., Zhang, H.Y., Zeng, X.Y., and Yuan, S., 2015, Biomonitoring heavy metal contaminations by moss visible parameters, *Journal of Hazardous Materials*, 296, 201–209.
- Corrent, S., Cosa, G., Scaiano, J.C., Galletero, M.S., Alvaro, M., and Garcia, H., 2001, Articles Intrazeolite Photochemistry. 26. Photophysical Properties of Nanosized TiO₂ Clusters Included in Zeolites Y, and Mordenite.

- Elomaa, H., Seisko, S., Junnila, T., Sirviö, T., Wilson, B.P., Aromaa, J., and Lundström, M., 2017, The effect of the redox potential of aqua regia and temperature on the Au, Cu, and Fe dissolution from WPCBs, *Recycling*, 2 (3).
- Fawzi Suleiman Khasawneh, O. and Palaniandy, P., 2021, Removal of organic pollutants from water by Fe₂O₃/TiO₂ based photocatalytic degradation: A review, *Environmental Technology and Innovation*.
- Ganesh, I., Kumar, P.P., Gupta, A.K., Sekhar, P.S.C., Radha, K., Padmanabham, G., and Sundararajan, G., 2012, *Processing and Application of Ceramics* 6.
- Ghorbanpour, M. and Feizi, A., 2019, Iron-doped TiO₂ Catalysts with Photocatalytic Activity, *J. Water Environ. Nanotechnol*, 4 (1), 60–66.
- Guo, Z., Ma, R., and Li, G., 2006, Degradation of phenol by nanomaterial TiO₂ in wastewater, *Chemical Engineering Journal*, 119 (1), 55–59.
- Hidaka, H., Ajisaka, K., Horikoshi, S., Oyama, T., Takeuchi, K., Zhao, J., and Serpone, N., 2001, *Comparative assessment of the efficiency of TiO₂ /OTE thin film electrodes fabricated by three deposition methods Photoelectrochemical degradation of the DBS anionic surfactant*, *Journal of Photochemistry and Photobiology A: Chemistry*.
- Hoffmann, M.R., Martin, S.T., Choi, W., and Bahnemann, D.W., 1995, *Environmental Applications of Semiconductor Photocatalysis*, Chem. Rev.
- Hung, W.H., Chien, T.M., and Tseng, C.M., 2014, Enhanced photocatalytic water splitting by plasmonic TiO₂-Fe₂O₃ cocatalyst under visible light irradiation, *Journal of Physical Chemistry C*, 118 (24), 12676–12681.
- Inyinbor, A.A., Adekola, F.A., and Olatunji, G.A., 2016, Liquid phase adsorption of Rhodamine B dye onto acid-treated *Raphia hookeri* fruit epicarp: Isotherms, kinetics and thermodynamics studies, *South African Journal of Chemistry*, 69, 218–226.
- Isari, A.A., Payan, A., Fattahi, M., Jorfi, S., and Kakavandi, B., 2018, Photocatalytic degradation of rhodamine B and real textile wastewater using Fe-doped TiO₂ anchored on reduced graphene oxide (Fe-TiO₂/rGO): Characterization and feasibility, mechanism and pathway studies, *Applied Surface Science*, 462, 549–564.
- Joseph R. Davis, 2000, *Corrosion: Understanding the Basics*. ASM International.
- Kapridaki, C., Xynidis, N., Vazgiouraki, E., Kallithrakas-Kontos, N., and Maravelaki-Kalaitzaki, P., 2019, Characterization of photoactive Fe-TiO₂ lime coatings for building protection: The role of Iron content, *Materials*, 12 (11).

- Khaki, M.R.D., Shafeeyan, M.S., Raman, A.A.A., and Daud, W.M.A.W., 2017, Application of doped photocatalysts for organic pollutant degradation - A review, *Journal of Environmental Management*.
- Khan, S. and Malik, A., 2014, Environmental and health effects of textile industry wastewater, *In: Environmental Deterioration and Human Health: Natural and Anthropogenic Determinants*. Springer Netherlands, 55–71.
- Khlyustova, A., Sirotkin, N., Kusova, T., Kraev, A., Titov, V., and Agafonov, A., 2020, Doped TiO₂: The effect of doping elements on photocatalytic activity, *Materials Advances*, 1 (5), 1193–1201.
- Kusumawardani, L.J., Syahputri, Y., and Iryani, A., 2020, Photocatalytic Degradation of Paraquat Dichloride using TiO₂-Fe Nano Powder under Visible and Sunlight Irradiation, *Jurnal Kimia Valensi*, 6 (1), 55–61.
- Liao, D.L., Wu, G.S., and Liao, B.Q., 2009, Zeta potential of shape-controlled TiO₂ nanoparticles with surfactants, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 348 (1–3), 270–275.
- Linsebigler, A.L., Lu, G., and Yates, J.T., 1995, *Photocatalysis on TiO₂ Surfaces: Principles, Mechanisms, and Selected Results*, Chem. Rev.
- Liu, H., Zhang, Z.G., Wang, X.X., Nie, G. di, Zhang, J., Zhang, S.X., Cao, N., Yan, S.Y., and Long, Y.Z., 2018, Highly flexible Fe₂O₃/TiO₂ composite nanofibers for photocatalysis and ultraviolet detection, *Journal of Physics and Chemistry of Solids*, 121, 236–246.
- Mittal, M., Sharma, M., and Pandey, O.P., 2014, UV-Visible light induced photocatalytic studies of Cu doped ZnO nanoparticles prepared by co-precipitation method, *Solar Energy*, 110, 386–397.
- Permenkes No. 492/Menkes/Per/IV/2010, 2010, *Peraturan Menteri Kesehatan Republik Indonesia Nomor 492/Menkes/Per/IV/2020 tentang Persyaratan Kualitas Air Minum*.
- Pujiarti, Y. and Sri Kunarti, E., 2021, A Visible Light-Induced Fe₃O₄/ZnO-Cu Nanocomposite and its Photocatalytic Activities for Rhodamine B Photodegradation, *Key Engineering Materials*, 884, 60–66.
- Qamar, M., Merzougui, B., Anjum, D., Hakeem, A.S., Yamani, Z.H., and Bahnemann, D., 2014, Synthesis and photocatalytic activity of mesoporous nanocrystalline Fe-doped titanium dioxide, *Catalysis Today*, 230, 158–165.
- Reyes-Coronado, D., Rodríguez-Gattorno, G., Espinosa-Pesqueira, M.E., Cab, C., de Coss, R., and Oskam, G., 2008, Phase-pure TiO₂ nanoparticles: Anatase, brookite and rutile, *Nanotechnology*, 19 (14).

- Tong, T., Zhang, J., Tian, B., Chen, F., and He, D., 2008, Preparation of Fe³⁺-doped TiO₂ catalysts by controlled hydrolysis of titanium alkoxide and study on their photocatalytic activity for methyl orange degradation, *Journal of Hazardous Materials*, 155 (3), 572–579.
- Xie, W., Ding, J., Wei, X., Wang, W., Xia, G., and Xing, J., 2019, Corrosion resistance of stainless steel and pure metal in ternary molten nitrate for thermal energy storage, *In: Energy Procedia*. Elsevier Ltd, 4897–4902.
- Yang, X., Cao, C., Erickson, L., Hohn, K., Maghirang, R., and Klabunde, K., 2009, Photo-catalytic degradation of Rhodamine B on C-, S-, N-, and Fe-doped TiO₂ under visible-light irradiation, *Applied Catalysis B: Environmental*, 91 (3–4), 657–662.
- Yang, Y., Guo, Y., Hu, C., Jiang, C., and Wang, E., 2003, Synergistic effect of Keggin-type [X_nW₁₁O₃₉](12-n)- and TiO₂ in macroporous hybrid materials [X_nW₁₁O₃₉](12-n)-TiO₂ for the photocatalytic degradation of textile dyes, *Journal of Materials Chemistry*, 13 (7), 1686–1694.
- Zhu, J., Chen, F., Zhang, J., Chen, H., and Anpo, M., 2006, Fe³⁺-TiO₂ photocatalysts prepared by combining sol-gel method with hydrothermal treatment and their characterization, *Journal of Photochemistry and Photobiology A: Chemistry*, 180 (1–2), 196–204.