

DAFTAR PUSTAKA

- Abbasizadeh, S., Keshtkar, A. R. dan Mousavian, M. A. (2013) 'Preparation of a novel electrospun polyvinyl alcohol/titanium oxide nanofiber adsorbent modified with mercapto groups for uranium(VI) and thorium(IV) removal from aqueous solution', *Chemical Engineering Journal*, 220, pp. 161–171. doi: 10.1016/j.cej.2013.01.029.
- Aghighi, A. dan Haghghat, F. (2015) 'Journal of Environmental Chemical Engineering Evaluation of nano-titanium dioxide (TiO₂) catalysts for ultraviolet photocatalytic oxidation air cleaning devices', *Biochemical Pharmacology*. Elsevier B.V., 3(3), pp. 1622–1629. doi: 10.1016/j.jece.2015.05.019.
- Bachrul, M., (2016), Fabrikasi Dan Karakterisasi Nanofiber PAN/TiO₂ Dengan Metode Elektrosinning Untuk Aplikasi Fotokatalis, *Skripsi*, UGM, Yogyakarta.
- Billmeyer, F. W. (1971). *Textbook of Polymer Science*. 2nd ed. New York: Wiley.
- Bower, D. I. (2002). *An Introduction to Polymer Physics*. New York: Cambridge University Press.
- Cates, R. S. (2010). Influence of crosslink density on swelling and conformation of surface-constrained Poly (N- isopropylacrylamide) hydrogels., *Theses*, University of South Florida, USA.
- Chen, X., dan Mao, S. S. (2007). Titanium Dioxide Nanomaterials: Synthesis, Properties, Modifications, and Applications, *Article*, University of California, Chem. Rev. 107 (2007) 2891-2959.
- Cowd, M. A., (1991). *Kimia Polimer*. Penerbit ITB. Bandung.
- Marín E, Rojas J, Ciro Y. Polyvinyl alcohol derivatives: promising materials for pharmaceutical and biomedical applications. *Afr J Pharm Pharmacol* 2014;8:674-84.
- Feng, X. and Lou, X. (2015) 'The effect of surfactants on the photocatalytic properties of the heterogeneous magnetic zinc oxides nanoparticles', *Separation and Purification Technology*. Elsevier B.V., 147, pp. 266–275. doi: 10.1016/j.seppur.2015.04.036.
- Gebben B, Van der Berg H, Bargeman D. Intramolecular crosslink of poly (vinyl) alcohol. *PolymJ* 1985;26:1737-40.
- Gupta, S. M., dan Tripathi, M. (2011). A review of TiO₂ nanoparticles. *Chinese Science Bulletin*, 56(16), 1639–1657. <http://doi.org/10.1007/s11434-011-4476-1>.

- Haider, A. J., Al-Anbari, R. H., Kadhim, G. R. dan Salame, C. T. (2017) 'Exploring potential Environmental applications of TiO₂ Nanoparticles', *Energy Procedia*. Elsevier B.V., 119, pp. 332–345. doi: 10.1016/j.egypro.2017.07.117.
- Hon, K., Monash, P., Ibrahim, S. dan Saravanan, P. (2014) 'ScienceDirect Solar photocatalytic activity of anatase TiO₂ nanocrystals synthesized by non-hydrolytic sol – gel method', *Solar Energy*. Elsevier, 101, pp. 321–332. doi: 10.1016/j.solener.2014.01.006.
- Ibrahim, A., Mekprasart, W. and Pecharapa, W. (2017) 'ScienceDirect Anatase / Rutile TiO₂ composite prepared via sonochemical process and their photocatalytic activity', *Materials Today: Proceedings*. Elsevier Ltd, 4(5), pp. 6159–6165. doi: 10.1016/j.matpr.2017.06.110.
- Kar, K., dan Wong, H. (2010). Effect of annealing on aqueous stability and elastic modulus of electrospun poly (vinyl alcohol) fibers, *Springer Science, Business Media*, 2456–2465. <http://doi.org/10.1007/s10853-010-4217-x>.
- Livraghi, S., Czoska, A. M., Paganini, M.C. dan Giamello, E. (2009) 'Journal of Solid State Chemistry Preparation and spectroscopic characterization of visible light sensitized N doped TiO₂ (rutile)', *Journal of Solid State Chemistry*, 182, pp. 160–164. doi: 10.1016/j.jssc.2008.10.012.
- Mansur, H. S., Sadahira, C. M., Souza, A. N., dan Mansur, A. A. P. (2008). FTIR spectroscopy characterization of poly (vinyl alcohol) hydrogel with different hydrolysis degree and chemically crosslinked with glutaraldehyde. *Materials Science and Engineering*, 28, 539–548. <http://doi.org/10.1016/j.msec.2007.10.088>.
- Mitra, A., Bhaumik, A., Paul, B. K. (2008). Synthesis and characterization of mesoporous titanium dioxide using self-assembly of sodium dodecyl sulfate and benzylalcohol systems as templates, *Microporous Mesoporous Mater.* 109 (2008) 66-72.
- Nasikhudin, (2018), Pengembangan Komposit Nanofiber PVA/Chitosan/TiO₂, *Disertasi*, UGM, Yogyakarta.
- Ollis, D.F., H. Al-Ekabi (Eds.), (1993) Photocatalytic purification and treatment of water and air, *Surface Science and Catalysis*. Elsevier, Amsterdam. Volume 103, 1997, Pages 445-461.
- Patachia, S., Valente, A. J., Papancea, A. dan Lobo, V. M. (2009). *Poly (Vinyl Alcohol)[PVA]-Based Polymer Membranes*. New York: Nova Science Publisher.
- Ramakrishna, S., Fujihara, K., Teo, W.-E. dan Lim, T.-C. (2005). *An Introduction to Electrospinning and Nanofibers*. Singapore: World Scientific Publisher.
- Rizzo, L., Koch, J. dan Anderson, M. A. (2007) 'Removal of methylene blue in a photocatalytic reactor using polymethylmethacrylate supported TiO₂

nanofilm', *Desalination*. Elsevier, 211, pp. 1–9. doi:
10.1016/j.desal.2006.02.081.

Schmedlen, K. H., Masters, K. S., dan West, J. L. (2002). Photocrosslinkable polyvinyl alcohol hydrogels that can be modified with cell adhesion peptides for use in tissue engineering. *Biomaterials*, 23(22), 4325-4332.

Sencadas, V., Correia, D. M., Ribeiro, C., Moreira, S., Botelho, G., Gómez Ribelles, J. L., dan Lanceros-Mendez, S. (2012). Physical-chemical properties of cross-linked chitosan electrospun fiber mats. *Polymer Testing*, 31(8), 1062–1069. <http://doi.org/10.1016/j.polymertesting.2012.07.010>.

Yousef, A., Barakat N.A., Amna, T., Unnithan, A.R., Al-Deyab, S.S., dan Kim, H.Y., 2012. Influence of CdO-doping on the photoluminescence properties of ZnO nanofibers: Effective visible light photocatalyst for waste water treatment. *Journal of Luminescence*, 132(7), pp. 1668-1677.

Yuenyongsuwan, J., Nithiyakorn, N., Sabkird, P., O'Rear, E. A. dan Pongprayoon, T. (2018) 'Surfactant effect on phase-controlled synthesis and photocatalyst property of TiO₂ nanoparticles', *Materials Chemistry and Physics*. Elsevier B.V., 214, pp. 330–336. doi: 10.1016/j.matchemphys.2018.04.111.