

DAFTAR PUSTAKA

- Aulia, Z., dkk. 2010. Disinfeksi (Klorinasi, Ozon, UV)
- Apriando, T., 2018. Kala Limbah Pabrik Pewarna Tekstil Mengalir ke Pipa PDAM Solo, Solo : Mangabay
- Baker, M. I., dkk. 2012. A review of polyvinyl alcohol and its uses in cartilage and orthopedic applications. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, 100 B(5), 1451–1457. <http://doi.org/10.1002/jbm.b.32694>
- Bhardwaj, N., & Kundu, S. C. 2010. Electrospinning : A fascinating fiber fabrication technique, 28, 325–347. <http://doi.org/10.1016/j.biotechadv.2010.01.004>
- Cates, R.S., 2010, Influence of crosslink density on swelling and conformation of surface-constrained Poly (N-isopropyladrylamide) hydrogels
- Editor, S., dan Lockwood, D.J., 2014, *Electrospun Nanofibers for Energy and Environmental Applications*, Springer, Berlin-Heidelberg.
- Fariba Ganji, Samira Vasheghani-Farahani, A., & Vasheghani-Farahani, E. (2010). Theoretical Description of Hydrogel Swelling: A Review. *Iranian Polymer Journal* 19, 19(5), 375–398.
- Feng, X., & Lou, X. 2015. The effect of surfactants-bound magnetite (Fe₃O₄) on the photocatalytic properties of the heterogeneous magnetic zinc oxides nanoparticles. *Separation And Purification Technology*, 147, 266–275. <http://doi.org/10.1016/j.seppur.2015.04.036>
- Garg, K., & Bowlin, G. L. 2011. Electrospinning jets and nanofibrous structures. *Biomicrofluidics*, 5, 1–19. <http://doi.org/10.1063/1.3567097>
- Geng, X., Kwon, O.H., Jang, J., 2005. Electrospinning of Chitosan Dissolved in Concentrated Acetic Acid Solution. *Biomaterials* 26, 5427-5432.
- Gupta, S. M., dan Tripathi, M., 2011, A review of TiO₂ nanoparticles, *Chinese Science ulletin*, 56(16), 1637 – 1657 <http://doi.org/10.1007/s11434-011-4476-1>

- Haque, M. M., Bahnemann, D., & Muneer, M. 2012. Photocatalytic Degradation of Organic Pollutants: Mechanisms and Kinetics. *Photocatalytic Degradation of Organic Pollutants: Mechanisms and Kinetics*, 3, 294–326. <http://doi.org/10.5772/1381>
- Hidayat, Y., dkk. 2003. *Kajian QSPR Temperatur Transisi Gelas dan Sifat Kimia Fisik dari Polimer Turunan Polietilen*. Universitas Gadjah Mada.
- Im, J.S., Kim, M. I., dan Lee, Y. S., 2008, Preparation of PAN-based electrospun nanofibers webs containing TiO₂ for photocatalytic degradation. *Materials Letters*, 62(21 – 22), 3652 – 3655. <http://doi.org/10.1016/j.matlet.2008.04.019>
- Jayantri Kalaivani, G., dan Suju, S.K. 2016. TiO₂ (rutile) embedded inulin-a versatile bio-nanocomposite for photocatalytic degradation of methylene blue. *Carbohydrate Polimer*, 143, 51-60.
- Jeon, S., Yun, J., Lee, Y.-S., & Kim, H.-I. (2012). Preparation of poly(vinyl alcohol)/poly(acrylic acid)/TiO₂/carbon nanotube composite nanofibers and their photobleaching properties. *Journal of Industrial and Engineering Chemistry*, 18(1), 487–491. <http://doi.org/10.1016/j.jiec.2011.11.068>
- Kar, K., dan Wong, H., 2010, Effect of annealing on aqueous stability and elastic modulus of electrospun poly (vinyl alcohol) fibers, 2456 – 2465. <http://doi.org/10.1007/s10853-010-4217-x>
- Kwankhao, B., 2013, *Microfiltration Membrane via Electrospinning of Polyethersulfone Solutions*, disertasi, Fakultat für Chemie, Universität Duisburg, Essen
- Masaro, L. and Zu, X. X., 1999. Physical models of diffusion for polymer solutions, gels and solids, *Prog. Polym. Sci.* 24 : 731-775
- Miclescu, A & Wiklund, L. 2010. Methylene blue , An Old Drug with New Indications, 17(1), 35–41.
- Nasikhudin. 2018. Pengembangan Komposit Nanofiber PVA/Chitosan/TiO₂ Sebagai Fotokatalis. *Disertasi*. Tidak diterbitkan. Universitas Gadjah Mada
- Pichat, P. (2013). *Photocatalysis and Water Purification*. (P. Pierre, Ed.). France: Wiley-VCH. <http://doi.org/http://dnb.d-nb.de>

- Qu, X., Alvarez, P. J. J., & Li, Q. 2013. Applications of nanotechnology in water and wastewater treatment. *Water Research*, 47(12), 3931–3946. <http://doi.org/10.1016/j.watres.2012.09.058>
- Ramakrishna, S. *et al.* (2005). *An Introduction Electrospinning and Nanofibers*. National University of Singapore: World Scientific Publishing Co. Pte. Ltd
- Rizkiarna, R.C. 2016. Pengaruh Konsentrasi, Viskositas Dan Konduktivitas Larutan Terhadap Nanofiber Poly(Vynil Alcohol) / PVA Hasil Elektrosponing. *Skripsi*. Tidak Diterbitkan. Universitas Gadjah Mada
- Sari, C.H. 2019. Tak Optimum Olah Limbah, 17 Industri di Bandung Barat Diganjar Proper Merah. Bandung Barat : Pikiran Rakyat
- Shalihah, H. 2016. Pengoptimalan Konsentrasi Nanofiber Membran Kitosan/Pva Dan Aplikasinya Sebagai Filter Udara. *Skripsi*. Tidak Diterbitkan. Universitas Gadjah Mada
- World Bank. 2012. World Development Indicators Table 3.6: Water Pollution. The World Bank. USA
- Yun, J., Jin, D., Lee, Y., dan Kim, H., 2010, Photocatalytic treatment of acidic waste water by electrospun composite nanofibers of PH-sensitive hydrogel and TiO₂ / poly (vinyl alcohol) / poly (acrylic acid) composite hidrogel. *Materials Science & Engineering B*, 176 (3), 276 – 281. <http://doi.org/10.1016/j.mseb.2010.11.011>
- Zubieta, C.E., Messina, P.V., Leungo, C., Dennehy, M., Pieroni, O., dan Schulz, P.C. 2008. Reactive dyes remotion by porous TiO₂-Chitosan materials. *Journal of Hazardous Materials*, 152(2), 765-777
- Zheng, H.; Du, Y.; Yu, J.; Huang, R.; Zhang, L. *J Appl Polym Sci* 2001, 80, 2558