

DAFTAR PUSTAKA

- Abdullah, M., 2008, *Review: Sintesis Nanomaterial, Jurnal Nanosains and Nanoteknologi*, ISSN 1979-0880 Vol. 1 No.2.
- Alatas, Z., 2001, *Efek Radiasi pada Komponen Selular Sistem Imunitas Tubuh, Prosiding Seminar Nasional Keselamatan, Kesehatan, dan Lingkungan*, P3KRBiN-BATAN.
- Bae, H. S., Lee, M. K., Kim, W. W., & Rhee, C. K., 2003, *Dispersion properties of TiO₂ nano-powder synthesized by homogeneous precipitation process at low temperatures. Colloids and Surfaces A: Physicochemical Engineering Aspects*, 220, 169–177.
- Behpour, Mohsen and Chakeri, M., 2012. *Ag-Doped TiO₂ Nanocomposite Prepared By Sol Gel Method: Photocatalytic Bactericidal Under Visible Light And Characterization*. Department Of Analytical Chemistry, Faculty Of Chemistry, University Of Kashan, Iran. JNS 2 (2012) 227-234.
- Bokhimi, X., Morales, A., Toledo-Antonio, J. A., & Pedrazab, F., 2001, *Local order in titania polymorphs. International Journal of Hydrogen Energy*, 26, 1279–1287.
- De Gruijl, F.R, 2000. *Health Effects from Solar UV Radiation*. 72(3-4): 177-196.
- Depkes RI, 1995, Farmakope Indonesia Edisi IV, Departemen Kesehatan RI, Jakarta.
- Dodd, A.C., McKinley, A.J., Tsuzuki, T. & Saunders, M. 2008, ‘A Comparative Evaluation of the Photocatalytic and Optical Properties of Nanoparticulate ZnO Synthesised by Mechanochemical Processing’, *Journal of Nanoparticle Research*, vol. 10, pp.
- El-Naggar M, Shaheen T, Zaghloul S, El-Rafie M, Hebeish A., 2016, *Antibacterial activities and UV protection of the in situ synthesized titanium oxide nanoparticles on cotton fabrics*. Industrial & Engineering Chemistry Research 55: 2661-2668.
- El-Shafei, A., ElShemy, M., Abou-Okeil, A., 20015, *Eco-Friendly Finishing Agent for Cotton Fabrics to Improve Flame Retardant and Antibacterial Properties*, Carbohydrate Polymers, 118, 83–90.
- El-Sheikh, M.A., M.A. Ramadan and El-Shafie, A., 2010. *Photo-oxidation of Rice Starch Part I: Using Hydrogen Peroxide*. Carbohydrate Polymers. 80: 266-269



- Farouk, A. S.; Sharaf, M.M.; Abd, El Hady., 2013 *Preparation of Multifunctional Cationized Cotton Fabric bassed on TiO₂ nano material.* International Journal of Biological Macromolecules. 61 : 230-237
- Gupta, Shipra Mital., Manoj Tripathi., 2011. *A review of TiO₂ nanoparticles.* Chinesse Science Bulletin. 56(16): 1639-57.
- Kim, T.K., Lee, M.N., Lee, S.H., Park, Y.C., Jung, C.K., Boo, J.H., 2005, *Development of surface coating technology of TiO₂ powder and improvement of photocatalytic activity by surface modification,* Thin Solid Films, 475, 171– 177.
- Lee, G.J dan Y.P. Lee., 2008. *Microstructures and Linear/ Nonlinear Optical Properties of Monolayered Silver Nanoparticles.* Journal of the Korean Physical Society, 53(6):3818- 3820.
- Li, H., Deng H. & Zhao, J., 2009, *Performance research of polyester fabric treated by nano titanium dioxide (nano-TiO₂) anti-ultraviolet finishing.* International Journal of Chemistry 1(1), 57 – 62
- Lusiyanti, Y., dan Syaifuddin, M., 2008, *Penerapan Efek Interaksi Radiasi dengan Sistem Biologi sebagai Dosimeter Biologi,* Jurnal Forum Nuklir (JFN), Vol 2, No 1, PTKMR, hal 1-15.
- Nazari.; M, Montazer.; A. Rashidi.; M. Yazdanshenas.; M. Anary-Abbasinejad. *Nano TiO₂ photo-catalyst and sodium hypophosphite for cross-linking cottonwith poly carboxylic acids under UV and high temperature.* Applied Catalysis A: General 2009 (371):10–16
- Noerati., 2013, Bahan Ajar Pendidikan & Pelatihan Profesi Guru (PLPG): Teknologi Tekstil. Bandung: Sekolah Tinggi Teknologi Tekstil
- S. Hashemikia.; M. Montazer., 2012. *Sodium hypophosphite and nano TiO₂ inorganic catalysts along with citric acid on textile producing multi-functional properties.* Applied Catalysis A.: 200–208



Sani. Zulaikha Marta., 2019, *Nano Zno/Tio2 Sebagai Agen Anti UV Dan Antibakteri Pada Kain Katun Berpewarna Indigofera Tinctoria*. Teknik Kimia: Universitas Gadjah Mada

Senic, Zelicko, Sonja Bauk, Maja V.T., Natasa Pajic, Alexander Samolov, Dusan R., 2011, *Application of TiO₂ Nanoparticles for Obtaining SelfDecontaminating Smart Textiles*. Scientific Technical Review, Vol.61 (30) : 63-72

Smestad, G.P., and M., Grätzel, 1998, *Demonstrating Electron Transfer and Nanotechnology: A Natural Dye-Sensitized Nanocrystalline Energy Converter*, Journal of Chemical Education, 75, 752-756.

Sugiyana, D., Septiani, W. Mulyawan, A.S., & Wahyudi, T., 2017, *Immobilisasi nanopartikel ZnO pada kain atap kapas dan evaluasi ketahanannya terhadap ultraviolet*. Arena Tekstil 32 (1), 25-34

Th.I. Shaheen.; Mehrez, E. El-Naggar, Abdelrahman M. Abdelgawad, A. Hebeish., 2015, *Durable antibacterial and UV protections of in situ synthesized zincoxide nanoparticles onto cotton fabrics*. International Journal of Biological Macromolecules. 1-7.

Wang, D.Y.; Lin, H.C.; dan Yen, C.C., 2006, *Influence of Metal Plasma Ion Implantation on Photo – Sensitivity of Anatase TiO₂ Thin Films*, Thin Solid Film, 5 (15) : 1047-105