

DAFTAR PUSTAKA

1. Asmara Alla.; Yeti liz Purnamadewi.;Sri Mulatsih.; Tanti Novianti. Fkctor-Factoryang mempengaruhi Perkembangan Investasi Pada Industri Tekstil Dan ProdukTekstil (TPT) Indonesia. *Jurnal Manajemen Teknologi*. 2013. 12(2): 140-160.
2. Que, Chao-Hua.; dkk.: Superhydrophobic conductive textiles with antibacterial property by coating fibers with silver nanoparticles. *Journal of Applied Surface Science* 2012, 2468-2472.
3. Rodrigueza,C.; A. Di Carac.; F.N.R. Renaudc.; J. Freneyd.; N. Horvaisb.; R. Borelb.; E. Puzenata.; C. Guillard. Antibacterial Effects Of Photocatalytic Textiles for Footwear Application. *Catalysis Today*. 2014. 230: 41-46.
4. Rilda, Y.; Abdi, D.; Syukri, A.; Admin, A.: Efek Doping Ni(II) Pada Aktifitas Fotokatalitik dari TiO₂Untuk Inhibisi Bakteri Patogenik. *Jurnal Makara Sains* 2010, 14 (1), 7-14.
5. Rilda, Y.; Admin, A.; Edison. M.; Baharuddin, S.; Stefani, K.: Effects of Doped Dodecyl Trimethyl AmmoniumBromide (DTABr) Surfactant on Synthesis and Performance of Nanoporous TiO₂-SiO₂/Chitosan. *Journal Asean of Chemistry* 2015, 27 (11), 3983-3987.
6. Rilda, Yetria.; Fadhli; Syukri; Admin, Alif.; Hermansyah, Aziz.; Sheela, Chandren.; Hadi, Nur.: Self-Cleaning TiO₂-SiO₂ Clusters on Cotton Textile Prepared by Dip-Spin Coating Process. *Jurnal Teknologi*. 2016, 78(7), 113–120.
7. Rilda, Yetria, Reza S, Anthoni, A, Nasril, N, Achmad, S, dan Hadi N. 2017. Enhancement of Antibacterial Capability of Cotton Textiles Coated with TiO₂-SiO₂/Chitosan Using Hydrophobization. *Journal Of The Chinese Chemical Society* 2017, 64, 1347-1353.
8. Rilda, Y.: Proses Pembuatan Fotokatalis TiO₂ Mesopori dengan Cross-link Kitosan. IDP000045979. 2017.
9. Montazer, M.: P, Golshani.; M, bameni. M.: Hidrophobic, cross-linked and Photoactive Cotton Fabric Using Nano TiO₂ and BTCA . *Indian Journal of Fibre and Textile Research* 2013. 38, 35-43.
10. Syafitri R.: Efek Hidrofobisasi Terhadap Peningkatan Kinerja Tekstil Anti bakteri yang Dilapisi dengan Nanocluster Oksida Logam. *Skripsi, FMIPA, Universitas Andalas, Padang*, 2016.

11. Abdelhady, MM.: Preparation and Characterization of Chitosan/Zinc Oxide Nanoparticles for Imparting Antimicrobial and UV Protection to Cotton Fabric. *International Journal of Carbohydrate Chemistry*. 2012, 1-6.
12. Juntarapun, Kantima.; Satirapipathkul, Chuntimon.: Antimicrobial Activity of Chitosan and Tannic Acid on Cotton Fabrics Materials. *Journal of Textiles & Fashion*. 2012.
13. Sun, K.; Z.H. Li.: Preparations, Properties and Applications of Chitosan Based Nanofibers Fabricated by Electrospinning. *Department of chemistry, Sichuan college of education, China, Express Polymer Letters*. 2011. 5 (4): 342–361.
14. Rilda, Yetria.; Admin, A.; Edison, M.; Anthony, A. Effects of Molar Ratio on the Synthesis and Characterization Nanocluster $\text{TiO}_2\text{-SiO}_2$ with Induced Copolymer Chitosan by Sol – Gel. *Department of Chemistry, Faculty of Mathematics and Natural Science. Andalas University, Padang. Journal of Pharmaceutical, Biological and Chemical Sciences*. 2014. 5(2) : 1417-1427.
15. Riswoko, Asep.; Pengaruh Perubahan Struktur Kimia Selulosa Ester Film Terhadap Sifat Transmisi Cahaya. *Prosiding Simposium Nasional Polimer V*. ISSN 1410-8720, 95-98.
16. Branen, A. L.; Davidson, P. M.; Salminen S.: *Food Additives*. Marcel Dekker Inc. New York, 1990.
17. Ullmann's, *Encyclopedia of Industrial Chemistry*, Volume A3: Antidiabetic Drugs to Benzoquinone and Naphthoquinone dyes, edisi 5, VCH, Jerman, 1985.
18. Nishino.; Naomasa, Gotoh.; Shigehero, Nataka.: Supersusceptibility to hydrophobic antimicrobial agents and cell surface hydrophobicity in *Branhamella catarrhalis*. *FEMS Microbiology Letter*. 1989, 59, 211-213.
19. Patricia, I. Dolez.; dkk.: Hydrophobic treatments for natural fibers based on metal oxide nanoparticles and fatty acids. *Journal of Advanced Material for a Greener World* 2017, 81-88.
20. Ragvahendra, R.; Atul, Dahiya.; M.G. Kamath. *Cotton Fibers*. 2004. India.
21. Farouk, A. S.; Sharaf, M.M.; Abd, El Hady.; Preparation of Multifunctional Cationized Cotton Fabric based on TiO_2 nano material. *International Journal of Biological Macromolecules*. 2013. 61 : 230-237.

22. Bi, Xu.; dan Zaisheng, Cai.: Fabrication of a superhydrophobic ZnO nanorod array film on cotton fabrics via a wet chemical route and hydrophobic modification. *Applied Surface Science*. 2008, 254, 5899-5904.
23. Lai, Delin.; Gang, Kong.; Chunshan, Che.; Synthesis and corrosion behavior of ZnO/SiO₂ nanorod-sub microtube superhydrophobic coating on zinc substrate. *Surface & Coatings Technology*. 2017, 315 509–518.
24. Munir Ashraf.; Christine, Campagne.; Anne, Perwuelz.; Philippe, Champagne.; Anne, Leriche.; Christian Courtois.; Development of superhydrophilic and superhydrophobic polyester fabric by growing Zinc Oxide . *Journal of Colloid and Interface Science*. 2013, 394, 545–553.
25. Sung-Hoon, Hong.; Mi-Hyun, Kim.; Hye-Won, Yun.; Taejong, Paik.; dan Heon, Lee. Solution-processed fabrication of superhydrophobic hierarchical zinc oxide nanostructures via nanotransfer printing and hydrothermal growth. *Surface & Coatings Technology*. 2017, 331, 189–195.
26. Chao-Hua, Xue.; Min, Li.; Xiao-Jing, Guo.; Xing, Li.; Qiu-Feng, An dan Shun-Tian, Jia. Fabrication of superhydrophobic textiles with high water pressure resistance. *Surface & Coatings Technology*. 2017, 310, 134–142.
27. Helmiyati.; Ayu, Fitria.; Nurrahman.: Pengaruh Konsentrasi Tawas Terhadap Pertumbuhan Bakteri Gram Positif dan Gram Negatif. *Jurnal Pangan dan Gizi* 2010, 1(1), 1-6.
28. S. Risiwiyanto.; Rilda B.; Anggi, Titis A.: Degradasi Fotokatalitik Zat Warna Direct Yellow dan Direct Violet dengan Katalis TiO₂/AgI-Sinar UV. *Departemen Kimia, FMIPA-UI*. 2010, 2 (1), 319-324.
29. Palupi, Endang. *Degradasi Methylene Blue dengan Metode Fotokatalis dan Fotoelektrolisis Menggunakan Film TiO₂*. Departemen Fisika, FMIPA-IPB.
30. Linsebigler, Amy L.; Gunangguan, Lu.; John, T.Y.: Photocatalysis on TiO₂ Surfaces: Principles, Mechanisms and Selected Results. *Surface Science Center, Department of Chemistry, University of Pittsburgh, Pittsburgh, Pennsylvania*. 1995, 95, 735-758.
31. Sayilkan, F.; M, Asilturk.; P, Tatar.; N, Kiraz.; E, Arpac.; H. Sayilkan. Photocatalytic performance of Sn-doped TiO₂ nanostructured mono

- and double layer thin films for Malachite Green dye degradation under UV and vis-lights. *Journal of Hazardous Materials*. 2007, 144, 140–146.
32. Schrimmer, Heiner,; Heike A.; Marcus P.; Eckhard Mandelkow.: Lets we Forget You-Methylene Blue. *Center of Biochemistry (BZH), University of Heidelberg, Heidelberg, Germany, Journal Neurobiology of Aging*. 2011.
33. Adeleke, J.T.; T. Theivasanthi.; M. Thirupathi.; M. Swaminathan.; T. Akomolafe.; A.B. Alabi. Photocatalytic Degradation of Methylene Blue by ZnO/NiFe₂O₄ Nanoparticles. *Applied Surface Science*. 2018, 455, 195-200.
34. Th.I. Shaheen.; Mehrez, E. El-Naggar, Abdelrahman M. Abdelgawad, A. Hebeish. Durable antibacterial and UV protections of in situ synthesized zinc oxide nanoparticles onto cotton fabrics. *International Journal of Biological Macromolecules*. 2015, 1-7.
35. Akbar, Ali, Bazrafshan.; Mehrorang, Ghaedi.; Shaaker, Hajati.; Reza, Naghiha.; dan Arash, Asfaram. Synthesis of ZnO-nanorod-based materials for antibacterial, antifungal activities, DNA cleavage and efficient ultrasound-assisted dyes adsorption. *Ecotoxicology and Environmental Safety*. 2017, 142, 330–337.
36. Sayilkan, F.; M. Asilturk.; P, Tatar.; N. Kiraz.; E, Arpac.; H, Sayilkan. Preparation of re-usable photocatalytic filter for degradation of Malachite Green dye under UV and vis-irradiation. *Journal of Hazardous Materials*. 2007, 148, 735–744.
37. Sharifalhosseini, Zahra.; Mohammad, H. Entezari.; Razieh, Jalal. Evaluation of antibacterial activity of anticorrosive electroless Ni-P coating against *Escherichia coli* and its enhancement by deposition of sono-synthesized ZnO nanoparticles. *Surface & Coatings Technology*. 2015, 266, 160–166.
38. Jianquan Qi, Juanxiong Chang, Xiumei Han, Ruixia Zhong, Maocheng Jiang, Zening Chen, Binde Liu. Direct synthesis of ZnO from solution under electric field. *Materials Chemistry and Physics*. 2018, 211, 168-171.
39. Rilda, Yetria.; Silvi, Kurniawan.; Syukri Arief.: Synthesis and Modification of the Morphology of Zinc Oxide (ZnO) Nano Particles with Induced Biopolymer Chitosan. *Research Journal of Pharmaceutical, Biological and Chemical Sciences*. 2015, 6(4), 1511.

40. A.m, shehap dan ds akil mater. Structural and optical properties of TiO_2 nanoparticles/pva for different composites thin films. *Int. j. nanoelectron.* 2016, 9, 1.
41. Harry, Sanjaya,; hardeli.; riri, syafitri. Degradasi metal violet menggunakan ZnO-TiO_2 secara fotosonolisis. *Eksakta Kimia FMIPA UNP.* 2018, 19.
42. Morales, G.P. Sierra, Mancilla, A. Paredes, L.A, Loyola, O. Callardo, J. Bourquez.: Secondary metabolites of four medicinal plants from northern chiles, antimicrobial activity, and biotoxicity against artemina salina. *J. Chile Chen.* 2003. 48 (2), 35-41.
43. Jian-Ai Quek, Sze-Mun Lam, Jin-Chung Sin, Abdul Rahman Mohamed.: Visible light responsive flower-like ZnO in photocatalytic antibacterial mechanism towards *Enterococcus faecalis* and *Micrococcus luteus*. *Journal of Photochemistry & Photobiology, B: Biology.* 2018, 187, 66-7.

