

## DAFTAR PUSTAKA

1. Asmara Alla.; Yeti liz Purnamadewi.; Sri Mulatsih.; Tanti Novianti. Fkctor-Faktor yang mempengaruhi Perkembangan Investasi Pada Industri Tekstil Dan Produk Tekstil (TPT) Indonesia. *Jurnal Manajemen Teknologi*. 2013. 12(2): 140-160.
2. Agus haryono dansri.; budi harmami. Aplikasi Nano Partikel Perak Pada Serat Katun Sebagai Produk Jadi Tekstil Antimikroba. *Jurnal kimia Indonesia*. 2010. 5(1) :1-6.
3. Aristianti, Deswita. Daya Hambat Komposit Kitosan/Ag dengan Lapisan pada Kain Katun terhadap Aktivitas Bakteri Escherichia Coli, *Skripsi Sarjana Sains*, Fakultas MIPA, Universitas Sebelas Maret, 2011.
4. Mahltig, B.,H.;Haufe, H.; Bottcher. Functionalisation of Textile by Inorganic sol-gel coatings, *J.Mater.Chem*, 2005. 15 : 4385-4398
5. Aghareed M.; Tayeb, Dina S.; Hussein. Synthesis of TiO<sub>2</sub> Nanoparticles and Their Photocatalytic Activity for Methylen Blue. *American Journal Of Nanomaterials*. 015. 3(2):57-63
6. Muneer M.; Ba-Abbad; Abdul Amir H.; Kadhum, Abu Bakar Mohamad, Mohd S. Takriff.; Kamaruzzaman Sopian. Synthesis and Catalytic Activity of TiO<sub>2</sub> Nanoparticles for Photochemical Oxidation of Concentrated Chlorophenols under Direct Solar Radiation. *Int. J. Electrochem*. 2012. 4871-4888
7. A. Soklic.; M, Tasbihi.; M, Kete.; U. Lavrenci c- Stangar, Deposition and possible influence of a self-cleaning thin TiO<sub>2</sub>/SiO<sub>2</sub> film on a photovoltaic module efficiency, *Catal*. 2015.252: 54–60.
8. Saragih H.; E. Supriyanto.; P.Arifin.; M. Barmawi. Studi Penumbuhan Film Tipis Ti<sub>x</sub>CO<sub>x</sub>O<sub>2</sub> dengan Teknik MOCVD Menggunakan Prekursor Titanium (IV) Isopropoxide dan Tris (2,2,6,6 – tetramethyl 3,5-heptanedionato) Cobalt(III), *Proceedings. ITB Sains & Teknologi*. 2006. 38A(2) : 117-131
9. Zhan, Chengjiao. Photocatalytic behaviour of nano sized titanium dioxide (TiO<sub>2</sub>) blended in poly (lactic acid) (PLA) via melt blending method: focus on textile applications. *Swedish School of Textille*, Boras University. 2012.
10. Zayyim, E.O.Effect of Calcination and pH Value on The Structural and Optical Properties of Titanium Oxide Thin Films. *Journal of Material Science*. Department of Physic, Faculty Science and Letters, Istanbul Technical University. Turkey. 2005. 1345-1352
11. Lien, S. Y.; Ju, Jiahe: Super-hydrophilic SiO<sub>2</sub>-doped TiO<sub>2</sub> photocatalysts for self-cleaning applications. *Department of Materials Science and Engineering*, MingDao University, ChungHua Taiwan, Republic of China. 2010, 3 (4) : 123 – 139.
12. Chengjiao, Zhang. Photocatalytic Behaviour Of Nano Sized Titanium Dioxide (TiO<sub>2</sub>) Blended In Poly (Lactic Acid) (PLA) Via Melt Blending (Method: Focus On Textile Applications), Thesis Submitted in Partial Fulfilment of the Requirements for the Degree of Master in Science in Textile Engineering The Swedish School of Textiles. 2012 : 12-14
13. Termtanun, Mutsee. Photocatalytic Degradation Of Pesticides Using TiO<sub>2</sub> Nanoparticles. *University of Nottingham of Doctor of Phylosophy*. 2013
14. Wang, D.Y.; Lin, H.C.; dan Yen, C.C. Influence of Metal Plasma Ion Implantation on Photo – Sensitivity of Anatase TiO<sub>2</sub> Thin Films, *Thin Solid Film*, 2006, 5 (15) : 1047-105
15. Rilda, Y.; Dharma, Abdi.; Arief, Syukri.; Alief, Admin. Modifikasi dan Karakterisasi Titania (M- TiO<sub>2</sub>) dengan Doping Ion Logam Transisi FeNi dan CuNi. *Jurnal Natur Indonesia*. 2010. 12(2), 178-185

16. Colmenares, J.C.; M.A. Aramendia.; A. Marinas.; J.M. Marinas.; F.J. Urbano, Synthesis, Characterization and Photocatalytic Activity of Different Metal-Doped Titania Systems. *Applied Catalysis A: General*, 2006. 306: 120-127.
17. Belladirta, M.; Adammo.; Di Paola.; Marci.; Palmisano.; Cassar, Borsa. Photocatalytic activity of TiO<sub>2</sub>/SiO<sub>2</sub> systems. Schiavello-Grillone, Photocatalysis Group, *Dipartimento di Ingegneria Chimica dei Processi e dei Materiali*, Università di Palermo, Italy. *Journal of Hazardous Material*. 2010 (174) : 707-713
18. Balachandaran, K.R.; R. Venckatesh.; Rajeshwari S.; Synthesis of Nano TiO<sub>2</sub>-SiO<sub>2</sub> Composite Using Sol-Gel Method: Effect On Size, Surface Morphology And Thermal Stability. *Research Scholar, Research and Development Centre*, Bharathiar University, Tamilnadu, India. *International Journal of Engineering Science and Technology*. 2010. 2 (8) : 3695-3700
19. Rilda, Yetria.; Admin, A.; Edison.; M Anthony, A. Effects of Molar Ratio on the Synthesis and Characterization Nanocluster TiO<sub>2</sub>-SiO<sub>2</sub> 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
20. Delfinas, Vivi. Studi Pelapisan Nanokristal TiO<sub>2</sub>-SiO<sub>2</sub>/Kitosan Pada Katun Tekstil Dan Aplikasinya Sebagai Senyawa Antibakteri *Staphylococcus aureus*. *Jurusan Kimia FMIPA-Universitas Andalas*. Padang. 2014
21. Sewing.; Craft Aliance. Cotton, The Most Popular Fabric In The World. S&CA. 2008.
22. Abo-Shosa MH.; El-Hosamy MB.; Hashem AM.; El-Nagar AH. A leching type antibacterial agent in the easy-care finishing of knitted cotton fabric. *Indust. Text*. 2007. 37 (1):55-76.
23. Lu YH.; Lin H.; Chen YY.; Wang C.; Hua YR. Structure and performance of bombyx morisilk modified with nano-TiO<sub>2</sub> and chitosan. *Fibers and Polimers*. 2007. 8(1): 1-6.
24. Wasif, A.I.; Laga S.K.. Use of Nano Silver As an Antimicrobial Agent for Cotton. *Journal of Textile and Engineering Institute*. 2009. 9(1) : 5-14
25. A. Nazari.; M. Montazer.; A. Rashidi.; M. Yazdanshenas.; M. Anary-Abbasinejad. Nano TiO<sub>2</sub> photo-catalyst and sodium hypophosphite for cross-linking cotton with poly carboxylic acids under UV and high temperature. *Applied Catalysis A: General* 2009 (371):10–16
26. Charles Q. Yang.; Dongzhong Chen.; Jinping Guan.; Qingliang He. Cross-Linking Cotton Cellulose by the Combination of Maleic Acid and Sodium Hypophosphite. 1. Fabric Wrinkle Resistance. *Department of Textiles, Merchandising and Interiors, The University of Georgia; Athens*. 2010 (49): 8325–8332
27. Charles Q. Yang.; Dongzhong Chen.; Jinping Guan.; Qingliang He. Cross-Linking Cotton Cellulose by the Combination of Maleic Acid and Sodium Hypophosphite. 2. Fabric Fire Performance. *Department of Textiles, Merchandising and Interiors, The University of Georgia; Athens*. 2011 (50): 5889-5897
28. S. Hashemikia.; M. Montazer. Sodium hypophosphite and nano TiO<sub>2</sub> inorganic catalysts along with citric acid on textile producing multi-functional properties. *Applied Catalysis A*. (2012) : 200–208
29. Karimi, Loghan.; Mohammad Mirjalili.; M. Esmail Yazdanshenas.; Ali Nazari. Effect of Nano TiO<sub>2</sub> on self Cleaning Property of Cross Linking Cotton Fabric with Succinic Acid Under UV Irradiation. Textile Department, Islamic Azad University, Yazd Branch, Yazd, Iran, *Journal of Photochemistry and Photobiology*. 2010 (86) : 1030–1037
30. S. Risiwiyanto.; Rilda B.; Anggi Titis A. Degradasi Fotokatalitik Zat Warna Direct Yellow dan Direct Violet dengan Katalis TiO<sub>2</sub>/AgI-Sinar UV. *Departemen Kimia, FMIPA-UI. Valensi*. 2010. 2 (1) : 319-324

31. Huitao Peng.; Charles Q. Yang.; Shanyuan Wang. Non formaldehyde durable Press finishing of cotton fabrics using the combination of maleic acid and sodium hypophosphite. *Carbohydrate Polymers*. 2012 .(87)491
32. Gandjar.; Indrawati.; Wellyzar Sjamsuridzal.; Ariyanti Oetari. Mikologi Dasar dan Terapan. *Yayasan Obor Indonesia*. Jakarta. 2006
33. Lexopoulos.; C.J. Mims.; C.W. Introductory Mycology. Third Edition. John Wiley & Sons, Inc. USA. 1979. 561
34. Volk, W.A.; M.F. Wheeler. Mikrobiologi Dasar. Edisi Kelima. Jilid 1. Penerbit Erlangga. Jakarta. 1993.
35. Jawetz, E. et al. Mikrobiologi untuk Profesi Kesehatan. Edisi XVI. Diterjemahkan oleh dr. Bonang, G. Jakarta: EGC Press. 1986. 336-384
36. Biswas SK.; C Haffin W L. Anaerobic Growth of *C. albicans* Does Not Support Biofilm Formation Under Similar Conditions Used for Aerobic Biofilm. *Curr Microbiol (Epub ahead of print)*. 2005.
37. Cotter G.; K Avanagh.; K. Adherne. Mechanisms Of *C. albicans*. 2005. 7(3): 24-9
38. Ingrid, maria.; Ign Suharto. Fermentasi Glukosa Oleh *Aspergillus Niger* menjadi Asam glukonat. *Universitas Katolik Parahayangan*. 2012
39. Lusia Oktora Ruma Kumala Sari. Pemanfaatan obat tradisional dengan pertimbangan manfaat dan Keamanannya. *Majalah Ilmu Kefarmasian*. 2006. 1(3):1-7
40. Aini, Nurul.; Triastuti Rahayu. Alternatif Media For Fungal Growth using a Different Source Of Carbohidrats. 2015
41. Rajendran, Krishnaveni.; Thambidurai Sivalingam. Industrial Method of Cotton Fabric Finishing with Chitosan-ZnO Composite for Anti-bacterial and Thermal Stability. *Journal of Industrial Crops and Products*. 2013 (47) : 160-167.
42. Parthasarathi, V.; G. Thilagavathi. Synthesis and Characterization of Titanium Dioxide Nano-particles and Their Applications to Textiles for Microbe Resistance. *Journal of Textile and Apparel Technology and Management*. 2009, 1 (6):160– 168.
43. Norouzi, Mohammad.; Maleknia, Laleh. Photocatalytic Effect of Nanoparticles of TiO<sub>2</sub> In Order to Design Self-Cleaning Textiles, *Asian Journal of Chemistry*. 2010, 22 (8) : 5930-5936.
44. Liu, K.; Zhu, L.; Sun, Y.; Li, H. Mesoporous TiO<sub>2</sub> Micro-Nanometer Composite Structure: Synthesis, Optoelectric Properties, and Photocatalytic Selectivity, *International Journal of Photoenergy*. 2012, 20 (12) : 1-9.
45. S. Hogg. Essential Microbiology. University of Glamorgan, Jhon Wiley & Sons, Ltd, UK, 2005, 3 (51) :169 - 178.
46. Safitri, Reza. Efek Hidrofobisasi Terhadap Peningkatan Kinerja Tekstil Antibakteri Yang Dilapisi Dengan Nanokluster Oksida Logam. *Jurusan Kimia FMIPA- Universitas Andalas*. Padang. 2016
47. Ferlinda, Desi. Efek Fungsional Senyawa Binder Karboksilat Pada Proses Pelapisan Katun Tekstil Dengan Nanokluster TiO<sub>2</sub>-SiO<sub>2</sub>/kitosan. *Jurusan Kimia FMIPA - Universitas Andalas*. Padang. 2016
48. Citra, Yuli. Efek Sinergistik Binder Karboksilat Dan TiO<sub>2</sub>-SiO<sub>2</sub>/ Kitosan Untuk Preparasi Tekstil Antibakteri *P.aeruginosa* dan *E.coli*. *Jurusan Kimia FMIPA - Universitas Andalas*. Padang. 2016
49. Iasa, Annesa Sifat Superhidrofilik Dan *Self Cleaning* Katun Tekstil Melalui Pelapisan Senyawa Nanokluster TiO<sub>2</sub>-SiO<sub>2</sub>/ Kitosan. *Jurusan Kimia FMIPA - Universitas Andalas*. Padang. 2016
50. Mahardika, Gita. Studi Pelapisan Nanopartikel TiO<sub>2</sub>-SiO<sub>2</sub> pada katun tekstil dan aplikasinya sebagai anti jamur. *Jurusan Kimia FMIPA- Universitas Andalas*. Padang. 2015

51. F. Lessan.,;M. Montazer.; M.B. Moghadam. A novel durable flame – retardent cotton fabric using sodium hypophosphite, nano TiO<sub>2</sub> and maleic acid.2011. 48-54
52. S. Hashemikia., M. Montazer. Sodium Hypophosphite anda nano TiO<sub>2</sub> inorganic catalyts along citric acid on textile producing multi-functional properties.Sodium hypophosphite and nano TiO<sub>2</sub> inorganic catalyts along with citric acid on textile producing multi-functional properties.2012.200-208
53. SNI 0276:2009. Cara Uji Kekuatan Tarik Dan Mulur Kain Tenun (Badan Standarisasi Nasional.2009)

