

DAFTAR PUSTAKA

1. Shi, Lei, Yan Zhao, Xiaodong Zhang, Haijia Su, Tianwei Tan. Antibacterial and anti-mildew behavior of chitosan/nano-TiO₂ composite emulsion. State Key Laboratory of Chemical Resource Engineering, Beijing University of Chemical Technology, China. *Korean Jurnal Chemistry*. 2008. 25(6):1434-1438
2. Aristianti,Deswita:Daya Hambat Komposit Kitosan/Ag dengan Lapisan pada Serat katun Katun terhadap Aktivitas Bakteri *Escherichia Coli*.Skripsi Sarjana Sains, Fakultas MIPA, Universitas Sebelas Maret, 2011.
3. Rilda, Y, Dkk. Efek Doping Ni (ii) Pada Aktivitas Fotokatalitik Dari TiO₂ untuk Inhibisi Bakteri Patogenik. *Makara Sains*.2010. Vol. 14(1) : 7-14.
4. Rilda ,Y., A, Admin ., K, Silvi.. Sintesis Titania –Silikat Nanokomposit Berbasis Anatase Dengan Variasi Waktu Pemeraman Dan Kristalisasi. Jurusan Kimia-FMIPA UNAND. 2014.
5. Montazer, M. Hidrophobic, Cross-Linked and Photoactivite Cotton Fabric Using Nano TiO₂ and BTCA. *Indian Journal of Fibre and Textile Research*. 2013, 3 (16) 14-19.
6. Karimi, Loghan, Mohammad Mirjalili, M. Esmail Yazdanshenas, Ali Nazari. Effect of Nano TiO₂ 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, 5 (86) : 1030–1037
7. Ju,Jiahe: Super-hydrophilic SiO₂-doped TiO₂ photocatalysts for self-cleaning applications. Department of Materials Science and Engineering, MingDao University, ChungHua Taiwan, Republic of China. 2010, 3 (4) : 123 – 139.
8. Livraghi, S. L., Pagini M.C., Giamello, E., Selloni, A., Valentini, C.D., Pacchioni, G: Origin of Photoactivity of Nitrogen-Doped Titanium Dioxide Under Visible Light., *Journal of Am Chem*, 2006, 2 (13): 128 – 135.
9. Tjahjanto, R. T., Gunlazuardi, J: Preparasi Lapisan Tipis TiO₂ Sebagai Fotokatalis,Keterkaitan Antara Ketebalan dan Aktivitas Fotokatalis. Makara, *Jurnal Penelitian Universitas Indonesia*, 2001, 5 (2): 81-91.
10. Rilda,Y, dkk. Pengembangan Metoda Sintesis Nanokristal Titania (TiO₂) mesopori melalui hibridisasi dengan SiO₂/Kitosan. Laporan Akhir Penelitian.Hibah Fundamental. 2013.
11. Rilda,Yetria, Admin, A. Pengembangan Metode Sintesis Nanokristal Titania (TiO₂) Mesopori Melalui Hibridisasi Dengan SiO₂/Kitosan. Laporan Akhir Penelitian Hibah Fundamental. Jurusan Kimia FMIPA, Universitas Andalas, Padang.2013.
12. Axix, Abd, Radhiyah, Sopyan, lis. Synthesis of TiO₂ – SiO₂ Powder and Thin Film Photocatalysis by Sol-Gel Method. *Indian Journal Chemistry*. 2009. Vol.48A 951- 957
13. Rilda Y., Fadhli., Syukri., Alif A., Nur H., Self-Cleaning TiO₂-SiO₂ Cluster On Cotton Textile Prepared By Dip-Spin Coating Process. *Jurnal Teknologi (Science and Engineering)*. 2016. 78(7) : 113-120
14. Rilda, Y, Syukri A, Rini R.. Antibacterial Properties Cu-SiO₂TiO2 That Preparation Sol-Gel Methods. Proceedings.Seminar International Chemistry,Universitas Andalas. 2007.

15. Al - Sagheer, F . Muslim, S. Thermal and Mechanical Properties of Chitosan/SiO₂ Hybrid Composites. *Journal of Nanomaterial*. 2009.Vol 2010.
16. Balachandaran. Synthesis of Nano TiO₂-SiO₂ Composite Using Sol-Gel Methods :Effect On Size, Surface Morphology And Thermal stability. *International Journal of engineering Science and Technology*.2010.2(8):3695-3700.
17. Cheng, T. C., Chang, Y. C., Chang, C. I., Hwang, C. J., Hsu, H. C., Wang, D. Y., Yao,K. S. *.Photocatalytic bactericidal effect of TiO₂ film on fish pathogens, Surface and Coating Technology*. 2008. 925 – 927.
18. Delvinas, Vivi. Studi Pelapisan Nanokristal TiO₂-SiO₂/Kitosan Pada Katun Tekstil dan Aplikasinya Sebagai Senyawa Antibakteri Staphylococcus Aureus Jurusan Kimia FMIPA-UNAND. 2014.
19. Seisenbaeva., V.G. Kessler.A.V. Agafonov. The Sol-Gel Synthesis of Cotton/TiO₂ Composite and Their Antibacterial Properties. *Surface and Coating Technology*. 2014. 253. 171-179.
20. Nadrajah K. Development and characterization of antimicrobial edible films from crawfish chitosan. Peradeniya: The Departement of Food Science. University of Paradeniya. 2005.
21. Mahardika,Gita : Studi Pelapisan Nanokomposit TiO₂-SiO₂ Pada Katun Tekstil dan Aplikasinya Sebagai Antijamur. Jurusan Kimia FMIPA-UNAND. 2015.
22. Sreethawong, T., Yoshikawa:Senhanced photocatalytic hydrogen evolution over Pt supported on mesoporous TiO₂ prepared by single-step sol-gel process with surfactant template. *International Journal of Hydrogen Energy*,2006, 9(31) : 786-796.
23. Restu Harly Pebriani, Yetria Rilda, dan Zulhadjri. Modifikasi Komposisi KitosanPada Proses Sintesis Komposit TiO₂-Kitosan, Laboratorium Kimia Material Jurusan Kimia FMIPA, Universitas Andalas . 2012.
24. Pramita, D. Cory. Daya Hambat Komposit Kitosan/Ag pada Serat katun Terhadap Aktivitas Bakteri Staphylococcus Aureus. Skripsi. Jurusan Kimia Fmipa. Universitas Sebelas Maret. 2011.
25. Rilda, Y, Syukri, Tri Wahyuni Marza Putrid an Frans Sutrio. Efek Penambahan Biopolimer Kitosan Pada Sintesis Nanokristal TiO₂ dengan Metode Sol-Gel. Proseding Seminar BKS-PTN Barat, Unimed, Medan. 2012, 9 (13) : 345 – 356
26. Pelczar MJ dan Chan ECS. Dasar-Dasar Mikrobiologi (2). UI Press. Jakarta. 2005
27. Hogg, Jhon Wiley & Sons,. Galkina, OL, A. Sycheva., Blagodatskiy A., Kaptay G., Katanaev V.L., G.A. Essential Microbiology, The University of Glamorgan: Ltd, UK, 2005, p.51-63. 22
28. Yazd Branch, Yazd, *Journal of Photochemistry and Photobiology*. Iran. 2010. (86):1030–1037
29. Torsten,Stein.Bacillus subtilis antibiotics: structures, syntheses and specific functions Institut für Mikrobiologie, Johann Wolfgang Goethe- Universität, Marie-Curie-Str. 9, 60439 Frankfurt/Main, Germany.2005.
30. Susanti,Elfi.Isolation and characterization of protease from Bacillus subtilis 1012M15 VH.Program Studi Kimia Jurusan PMIPA FKIP Universitas Sebelas Maret Surakarta .2002.
31. Graumann P..Bacillus: Cellular and Molecular Biology. Caister Academic Press. 2007

32. Sadava, David. Life The Science of Biology 7th Edition. Sinauer Associates inc. New York. 2003.
33. Setiawati S. Tuti, Amalia I. S., SulistiosoG. S., dan WisnuA.A. Sintesis Lapisan Tipis TiO₂ dan Analisis Sifat Fotokatalisnya. *Jurnal Sains Materi Indonesia*. Edisi Khusus Oktober 2006, hal : 141 – 14
34. Shi, Lei, Yan Zhao, Xiaodong Zhang, Haijia Su, Tianwei Tan. Antibacterial and anti-mildew behavior of chitosan/nano-TiO₂ composite emulsion. State Key Laboratory of Chemical Resource Engineering, Beijing University of Chemical Technology, China. *Korean Jurnal Chemistry*. 2008. 25(6):1434-1438
35. Parthasarathi, V and 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 : vol (6)

