

DAFTAR REFERENSI

1. Wed. Jangan Anggap Remeh Jamur Kulit. [cited 14/11/08, pk. 13:18]; Available from: <http://www.gizi.net/cgi-bin/berita/fullnews.cgi?newsid1085454401,65023>.
2. Heriyanty. Patogenese Kandidiasis Oral Pada Penderita Diabetes Mellitus. 2008 [updated 2008; cited 17/08/08, pk. 19:24]; Available from: http://library.usu.ac.id/index.php/component/journals/index.php?option=com_journal_review&id=4966&task=view.
3. Alami Gizi Buruk, 5 Juta Anak Indonesia Terancam Kehilangan Daya Saing. 2006 [updated 2006; cited 18/08/08, pk.08:12]; Available from: <http://www.litbang.depkes.go.id/aktual/anak/giziburuk280406.htm>.
4. Tangkilisan W. Mens Sana In Corpore Sano dan Tragedi Malnutrisi. 2008 [updated 2008; cited 20/11/08, pk. 17:26]; Available from: <http://www.koranindonesia.com/2008/10/24/mens-sana-in-corpore-sano-dan-tragedi-malnutrisi/>.
5. Greenberg MS, Glick M. Burket's Oral Medicine Diagnosis and Treatment. 10 ed. Hamilton: BC Decker; 2003. p. 94-9.
6. Manfaat Teh bagi Kesehatan. Republika. 17 November 1999 (col. 2-6).
7. Supriatno. Perbedaan konsentrasi dan pelarut ekstrak rimpang segar *Alpinia galangan* var. *rubra* terhadap daya hambat *Candida albicans*. Maj Kedokteran Gigi FKG UNAIR 1999:1-4.
8. Clark AM, Walker LA. In: Cutler SJ, Cutler HG, editors. Biologically Active Natural Products: Pharmaceuticals. London: CRC Press; 2000. p. 95-105.
9. Fernandez-Kim SO. Physicochemical and Functional Properties of Crawfish Chitosan as Affected by Different Processing Protocols. Louisiana: Louisiana State University; 2004.
10. Austin PR, Brine CJ, Castle JE, Zikakis JP. Chitin: New facets of research. Science. 1981;212:749.

11. Focher B, Naggi A, Tarri G, Cosami A, Terbojevich M. Structural Differences Between Chitin Polymorphs and Their Precipitates from Solution Evidence from CP-MAS ¹³C-NMR, FT-IR and FT-Raman Spectroscopy. *Carbohidrat Polymer*. 1992;17(2):97-102.
12. Marganof. Potensi Limbah Udang sebagai Penyerap Logam Berat (Timbal, Kadmium, dan Tembaga) di Perairan. Bogor: Institut Pertanian Bogor; 2003.
13. Prasetyo KW. Pengolahan Limbah Cangkang Udang. [cited 11/17/08, pk. 15.00]; Available from: <http://www2.kompas.com/kompas-cetak/0605/15/teropong/2652377.htm>.
14. Prasetyo KW. Khitosan, Pengendali Rayap Ramah Lingkungan. Jakarta; [17/09/08, pk. 17:27; cited]; Available from: <http://64.203.71.11/kompas-cetak/0408/18/ilpeng/1209399.htm>.
15. Fouda MMG. Use of Natural Polysaccharides in Medical Textile Application. Krefeld: University of Duisburg-Essen; 2005.
16. Kendra DF, Hadwiger LA. Characterisation of the smallest chitosan oligomer that is maximally antifungal to *Fusarium solani* and elicits pisatin formation in *Pisium satvium*. *Experimental Mycology*. 1984;8:276–81.
17. Bae K, Jun E, Lee S, Paik D, Kim J. Effect of water-soluble reduced chitosan on *Streptococcus mutans* plaque regrowth and biofilm vitality. *Clin Oral Investig*. 2006;16572330(P,S,G,E,B,D).
18. Qin C, Li H, Xiao Q, Liu Y, Zhu J, Du Y. Water-solubility of chitosan and its antimicrobial activity. *Carbohydrate Polymers*. 2006;63:367–74.
19. Ruiz-Herrera J. The distribution and quantitative importance of chitin in fungi. In: Muzzarelli RAA, Pariser ER, editors. *Proceedings of the First International Conference on Chitin/ Chitosan*. Cambridge: MIT Sea Grant Program; 1978. p. 11.
20. Kurita K. Chemistry and Application of Chitin and Chitosan. *Polym Degrad Stabil*. 1998;59(2):117-20.
21. Chung YC, Chen CY. Antibacterial characteristics and activity of acid-soluble chitosan. *Bioresource Technology*. 2008;99:2806-14.

22. Hirano S. Chitin and Chitosan. *Ulmann's Encyclopedia of Industrial Chemistry*. 5 ed. Republicka of Germany; 1986. p. 231-2.
23. Tokura S, Nishi N. Specification and Characterization of Chitin and Chitosan. *Collection of Working Papers: Universiti Kebangsaan Malaysia*; 1995. p. 67-78.
24. Chitin. *The Merck Index an Encyclopedia of Chemicals and Drugs*. 9 ed. USA: Merck and Co. Int, Rahway; 1976. p. 259.
25. No HK, Meyers SP. Utilization of Crawfish Processing Wastes as Carotenoids, Chitin, and Chitosan Souces. *Journal Korean Soc Food Nutrition*. 1992;21(3):319-26.
26. Peter MG. Applications and environmental aspects of chitin and chitosan. *Pure and Applied Chemistry*. 1995;A32(4):629-40.
27. Allan GG, Fox JR, Crosby GD, Sarkanen KV. Chitosan, a mediator for fiber-water interactions in paper. Seattle: College of Forest Resources, University of Washington Press; 1977.
28. Muzzarelli RAA. Chitin. Italy: Faculty of Medicine University of Ancona, Pergamon Press; 1986.
29. Hudson SM, Jenkins DW. Chitin and chitosan. *Encyclopedia of polymer science and technology*. 3 ed: Wiley Interscience; 2001.
30. Seo S-w. Depolymerization and Decolorization of Chitosan by Ozone Treatment. Lousiana: Lousiana State University and Agricultural dan Mechanical College; 2006.
31. Balicka-Ramisz A, Wojtasz-Pajak A, Pilarczyk B, Ramisz A, Laurans L. Antibacterial and Antifungal Activity of Chitosan. *ISAH*. 2005;2:408.
32. Leuba JL, Stossel P. Chitosan and other polyamines: Anti-fungal activity and interaction with biological membranes. In: Muzzarelli RAA, Jeuniaux C, Gooday W, editors. *Chitin in nature and technology*. New York: Plenum Press; 1986. p. 215-22.
33. Fang SW, Li CF, Shih DYC. Antifungal activity of chitosan and its preservative effect on low-sugar candied kumquat. *J Food Protect*. 1994;56:136-40.

34. Tsai GJ, Su WH. Antibacterial activity of shrimp chitosan against *Escherichia coli*. *J Food Product*. 1999;62:239-43.
35. Helander M, Nurmiäho-Lassila EL, Ahvenainen R, Rhoades J, Roller S. Chitosan disrupts the barrier properties of the outer membrane of Gram-negative bacteria. *Int J Food Microbiol*. 2001;71:235-44.
36. Hwang JK, Kim HJ, Yoon SJ, Pyun YR. Bactericidal activity of chitosan on *E.coli*. In: Chen RH, Chen HC, editors. *Advances in chitin science*. Taiwan: Rita Advertising Co; 1998. p. 340-4.
37. Zheng LY, Zhu JF. Study on antimicrobial activity of chitosan with different molecular weight. *Carbohydrate Polymers*. 2003;54(4):527-30.
38. Shimojoh M, Masaki K, Kurita K, Fukushima K. Synthesis and Characterization of β -Poly(glucose-amine)-N-(2,3-dihydroxypropyl) Derivatives as Medical Care and Biological Joint Material. Family 2. Tri or Tetra-Sulfated β -Chitosan. *Nippon Nogeik*. 1996;70:787-92.
39. Uchida Y. Preparation of chitosan oligomers with purified chitosanase and its application. In: Skjåk-Bræk G, editor. *Chitin and chitosan: sources, chemistry, biochemistry, physical properties and applications*. London: UK: Elsevier Applied Science; 1989. p. 373-82.
40. Dewi AS, Fawzya YN, editors. *Studi Pendahuluan: Penggunaan Berulang Larutan Natrium Hidroksida dalam Pembuatan Kitosan*. Prosiding Seminar Nasional Himpunan Kimia Indonesia; 2006.
41. Sekiguchi S. Molecular weight dependency of antimicrobial activity by chitosan oligomers. In: Nishinari K, Doi E, editors. *Food hydrocolloids: structures, properties, and functions*. New York: Plenum Press; 1994. p. 71-6.
42. Cawson RA, Binnie WH, Barrett AW, Wright JM. *Oral Disease*. 3 ed. London: Mosby International Ltd; 2001. p. 9-13.
43. Suprihatin SD. *Candida dan Kandidiasis pada Manusia*. Jakarta: FK UI; 1982. p. 3-19; 25-32.

44. Acute Pseudomembrane Candidiasis. [cited 04/11/08, pk. 07:12]; Available from: <http://www.merck.com/mkgr/mmg/photos/s13c104photo14.jpg>.
45. Chaffin WL, Lopez-Ribot JL, Casanova M. Cell Wall and Secreted Proteins of *Candida albicans*: identification, function, and expression. *Microbiol and Mol Biol Rev.* 1998;62:130-80.
46. Ghannoum MA. Potential role of phospholipases in virulence and fungal pathogenesis *Clin Microbiol Rev.* 2000;13:122-43.
47. Vazquez-Torres A, Balish E. Macrophage in resistance to candidiasis. *Microbiol and Mol Biol Rev.* 1997;61:170-92.
48. Martinez JP, Gil ML, Lopez-Ribot JL, Chaffin WL. Serologic Response to Cell Wall Mannoproteins and Proteins of *Candida albicans*. *Clin Microbiol Rev.* 1998;11(1):121-41.
49. *Candida Albicans, And The Symptoms And Treatments Of Intestinal Yeast Infections (Candidiasis)*. 2003 [updated 2003; cited 10/12/08, pk. 22:58]; Available from: http://www.fungusfocus.com/candida/ccandida_info.htm.
50. Poedjiastoeti W. Pengaruh Penambahan *Platelet-Rich Plasma* dan *Platelet-Poor Plasma* pada *Chitosan* terhadap Aktivitas Osteoblas (Penelitian *In Vitro*). Jakarta: Universitas Indonesia; 2007.
51. Serial Dilution Problem Help. [cited 06/08/08, pk. 13:32]; Available from: www.uvm.edu/~btessman/calc/scrhelp.htm/.
52. Shanmugasundaram OL. Chitosan Coated Cotton Yarn and It's Effect on Antimicrobial Activity. *JTATM.* 2006;5(3):1-6.
53. Uji Hipotesis Komparatif Variabel Numerik Lebih dari Dua Kelompok. In: Dahlan MS, editor. *Statistik untuk Kedokteran dan Kesehatan*. 3 ed. Jakarta: Salemba Medika; 2008. p. 84-95.
54. Murthihapsari, Parubak AS, Murtiningrum. Ekstraksi Khitosan dari Limbah Udang Putih (*Panaeus merquiensis*) Asal Sorong Papua dengan Teknik Deproteinisasi dan Demineralisasi. *Simposium IPB.* 2006.

55. Hoerl BG, Bryan GH. *Medical Microbiology*. 3 ed. Boston: Little, Brown and Company; 1986. p. 777-87.
56. Pelczar MJ, Reid RD. *Microbiology*. 2 ed. New York: Mc Graw Hill; 1985. p. 196-7.
57. Li X-F, Feng X-Q, Yang S, Wang T-P, Su Z-X. Effects of MolecularWeight and Concentration of Chitosan on Antifungal Activity Against *Aspergillus Niger*. *Iranian Polymer Journal*. 2008;17(11):843-52.
58. Rhoades J, Rastall B. Chitosan as Antimicrobial Agent. *Food Technology International*. 11/12/08, pk. 11:39:32-22.
59. Huang M, Knor E, Lim L-Y. Uptake and Cytotoxicity of Chitosan Molecules and Nanoparticles: Effects of Molecular Weight and Degree of Deacetylation. *Pharmaceutical Research*. 2004;21(2):352.

