

DAFTAR PUSTAKA

- Aquino, R. P., Stigliani, M., Del Gaudio, P., Mencherini, T., Sansone, F. and Russo, P. (2014), Nanospray drying as a novel technique for the manufacturing of inhalable NSAID powders. *The Scientific World Journal*, 1-7, Article ID 838410.
- Apple, James M. 1990. *Tata Letak Pabrik dan Pemindahan Bahan*. Hlm 125-176. Tr. by Nurhayati M.T. Mardiono. ITB: Bandung.
- Baba, K. and Nishida, K. (2012), Calpain inhibitor nanocrystals prepared using Nano Spray Dryer B-90. *Nanoscale Research Letters*, 7:436, 1-9.
- Bastaman, S. 1989, *Studies on degradation and extraction of Chitin and Chitosan from prawn shells, and the queens*. University of Bfelas, England.
- Bodmeier, R., Chen, H., Paeratakul, O., 1989. A Novel Approach to the Oral Delivery of Micro or Nanoparticles. *Pharm. Res.* 6, 413–417.
- Hastuti, B., Tulus, N., 2015. *Sintesis Kitosan dari Cangkang Kerang*. Program Studi Pendidikan Kimia Universitas Sebelas Maret Surakarta.
- Kumar, S., Shen, J. and Burgess, D. J. (2014), Nanoamorphous spray dried powder to improve oral bioavailability of itraconazole. *Journal of Controlled Release*, 86 (3), 215-223.
- Kumar, S., Shen, J., Zolnik, B., Sadrieh, N. and Burgess, D. J. (2015), Optimization and dissolution performance of spray-dried naproxen nanocrystals. *International Journal of Pharmaceutics*, 486, 159166.
- Kusumaningsih. T, 2004. *Karakterisasi khitosan hasil deasetilasi kitin dari cangkang kerang hijau*. Jur. Kimia FMIPA UNS.
- Lee, S. H., Heng, D., Ng, W. K., Chan, H. K. and Tan R. B. H. (2011), Nano spray drying: a novel method for preparing protein nanoparticles for protein therapy. *International Journal of Pharmaceutics*, 403, 192-200.
- Levenspiel, O. 1999. *Chemical Reaction Engineering Third Edition*, John wiley & Sons Inc, USA. 569-576.
- Liu, W., Chen, X. D. and Selomulya, C. (2015), On the spray drying of uniform functional microparticles. *Particuology*, 22, 1-12.

- Lockman, P. R., Mumper, R. J., Khan, M. A. and Allen, D. D. (2002), Nanoparticle technology for drug delivery across the blood-brain barrier. *Drug Development and Industrial Pharmacy*, 28(1), 1–13.
- Muzzarelli RAA. 1997 Depolymerization of chitins and chitosans with hemicellulase, lysozyme, papain, and lipases.
- Muzarelli RAA. 1985. “Chitin in Polysaccharides”, vol 3. Aspinal Press Inc. Orlando San Diego, p.147. Muzarelli RAA. 1977. “Chitin”. Pergamon Press. Oxford.
- Mohanraj, V.J. and Y. Chen. 2006. Nanoparticles : A Review. *Tropical Journal of Pharmaceutical Research*.
- Roberts, G. A. 1992. Structure of chitin and chitosan. *Chitin Chemistry*. Springer.
- Sandeep, A., Sangameshwar, K., Mukesh, G., Chandrakant, R., Avinash, D., 2013. A Brief Overview on Chitosan Application. *Indo Am. J. Pharm. Res.* 2013 3, 1564– 1574.
- Singh, R. and Lillard, Jr. J.W. (2009), Nanoparticlebased targeted drug delivery. *Experimental and Molecular Pathology*, 86(3), 215-223.
- Srijanto, B. Kajian pengembangan teknologi proses produksi kitin dan kitosan secara kimiawi. Prosiding seminar Nasional Teknik Kimia Indonesia, 2003.
- Struszczyk, H., Pośpieszny, H. & Gamzazade, A. 2002. Chitin and chitosan. PolishRussian monograph.
- Tiyaboonchai, W., 2003. Chitosan Nanoparticles : A Promising System for Drug Delivery. *Naresuan Univ. J.* 11, 51–66.
- Vakily, J.M. 1989. The biology and culture of mussels. *Aquaculture*, 21: 345 - 351.
- Wahyono D. 2010. Ciri nanopartikel kitosan dan pengaruhnya pada ukuran partikel dan efisiensi penyaluran ketoprofen [tesis]. Bogor: Program Pascasarjana, Institut Pertanian Bogor.
- Wahyono, Dwi. Ciri Nanopartikel Kitosan dan Pengaruhnya pada Ukuran Partikel dan Efisiensi Penyalutan Ketoprofen. Skripsi. Bogor: ITB. 2010.
- Weska, R. F., dan Moura, J. M., 2006, Optimazion of Deasetylation in theProduction of Chitosan from Shrimp Waste, *Journal Food Engineering*.

- Wignjosoebroto, Sritomo. 1996. Tata Letak Pabrik dan Pemindahan Bahan. Hlm 67-78. Guna Widya: Jakarta.
- Yadav, Hemant K.S., Nagavarma B V N, Ayaz A, Vasudha L.S., Shivakumar H.G, (Review Article) Different Techniques For Preparation Of Polymeric Nanoparticles, Asian Journal of Pharmaceutical and Clinical Research, Vol. 5, Suppl 3, 2012, 16-23.
- Yeh, J. T., Chen, C. L., Huang, K. S., Nien, Y. H., Chen, J. L., & Huang, P. Z. (2006). Synthesis, characterization, and application of PVP/chitosan blended polymers, Journal of Applied Polymer Science. 101(2), 885-891.
- Zhang, G. J., and N. A. McFarlane (1995), Sensitivity of climate simulations to the parameterization of cumulus convection in the Canadian Climate Centre general circulation model, Atmos. Ocean, 33, 407 – 446.
- Zhao F, Yin Y, Lu W, Leong J, Zhang W, Zhang J, Zhang M, Kangde K. 2002. Preparation and histological evaluation of biomimetic three-dimensional hydroxyapatite/chitosan gelation network composite scaffolds. Biomaterials.