

DAFTAR PUSTAKA

- Agnihotri, S.A., Mallikarjuna, N.N., Aminabhavi, T.M., 2004. Recent advances on chitosan based micro-nanoparticles in drug delivery. *Journal of Controlled Release*, Vol. 100, p. 5-28.
- Allemann, E.R., Gurny, Doelker E. 1993. Drug-loaded nanoparticles-preparation methods and drug targeting issues. *Eur. J. Pharm. Biopharm* vol 39, p. 173-191.
- Amaro, M. I., Tajber, L., Corrigan, O. I., Healy, A. M., 2011. Optimisation of spray drying process conditions for sugar nanoporous microparticles (NPMPs) intended for inhalation. *International Journal Pharmaceutics*, Vol. 421 p. 99-109.
- Ashwatu, A. N. D., 2013. Pengaruh Jumlah Tripolifosfat Terhadap Karakteristik Nanopartikel Fraksi Diterpenlakton Sambiloto-Kitosan (dibuat dengan metode gelasi ionik). *Skripsi*: Fakultas Farmasi Universitas Airlangga, Surabaya.
- Berger, J., Reist, M., Mayer, J.M., Felt, O., Peppas, N.A., Gurny, R., 2004. Structure and interactions in covalently and ionically crosslinked chitosan hydrogels for biomedical applications. *European Journal of Pharmaceutics and Biopharmaceutics*, Vol. 57, p. 19-34.
- Colonna, C., Genta, I., Perugini, P., Pvanetto, F., Modena, T., Valli, M., Muzarelli, C., Conti, B., 2006. 5-methyl-pyrrolidinone chitosan films as carriers for buccal administration of proteins. *American Association of Pharmaceutical Scientist Pharmaceutics Science Technology*. Vol. 7, 3.
- Daniel, W.W., 2005. *Biostatistics, A foundation for Analysis in the Health Sciences*, 8th Ed., New Jersey : John Wiley & Sons, Inc., p.322.
- Fan, W., Yan, W., Xu, Z., Ni, H., 2012. Formation mechanism of monodisperse, low molecular weight chitosan nanoparticles by ionic gelation technique. *Colloid and Surfaces B: Biointerfaces*, Vol. 90, p. 21-27.

- Fattal, E., Vauthier, C., 2007. Drug delivery: nanoparticles. In: Swarbrick, J. (Ed). *Encyclopedia of Pharmaceutical Technology*, 3rd Ed. New York: Informa Healthcare USA, Inc., p. 1183-1200.
- Garg, A., Visht, S., Sharma, P.K., Kumar, N., 2011. Formulation, characterization and application on nanoparticle: a review. *Der Pharmacia Sinica*, Vol. 2, p. 17-26.
- Gharsallaoui, A., Roudaut, G., Chambin, O., Voilley, A., and Saurel, R., 2007. Applications of spray-drying in microencapsulation of food ingredients : An overview. *Food Research International*, Vol. 40, p. 1107-1121.
- Gupta S. and Chada S., 2013. Evaluation and Preparation of Crystal Modification of Artesunate : In Vivo Studies. *World Academy of Science, Engineering and Technology*. Vol.79.
- He, P., Davis, S.S., Illum, L., 1999. Chitosan microspheres prepared by spray drying. *International Journal of Pharmaceutics*, Vol. 187, p. 53-65.
- Kissel T., Maretschek S., Packha C., Schnieders J., and Seidel N., 2006. Microencapsulation Techniques for Parenteral Depot Systems and Their Application in the Pharmaceutical Industry. In: Benita, S. (Ed). *Microencapsulation: Methods and Industrial Applications*, Ed. 2nd Boca Raton: Taylor & Francis Group, LLC., pp. 99-122.
- Ko, J.A., Park, H.J., Hwang, S.J., Park, J.B., Lee, J.S., 2002. Preparation and characterization of chitosan microparticles intended for controlled drug delivery. *International Journal of Pharmaceutics*, Vol. 249, p. 165-174.
- Kumar, M.N., Chowdary, K.A., Pani, B.K., Kumar, N., 2010. Design and characterization of mucoadhesive microcapsules of metoprolol succinate. *International Journal of Pharmacy and Pharmaceutical Sciences*, Vol. 2, p. 53-57.

- Lawal, A., Umar, R.A., Abubakar, M.G., Faruk, U.Z and Wali, U., 2012. FTIR and UV-Visible Spectrophotometric Analyses of Artemisinin and Its Derivates. *Journal of Pharmaceutical and Biomedical Sciences*, Vol.24, p. 6-14.
- Magalhaes, N.S.S., Mosqueira, V.C. F., 2010. Nanotechnology applied to the treatment of malaria. *Advanced Drug Delivery Reviews*, Vol. 62, p. 565-575..
- Mahajan, H.S., Deore, B.V., Deore, U.V., 2009. Development and characterization of sustained release microspheres by quasi emulsion solvent diffusion method, *Int. J. of Chem Tech Research.*, Vol.1 No.3, p. 634-642.
- Martin, A., Swarbrick, J., Cammarata, A., 1993. Physical Pharmacy, Terjemahan : Yoshita, Farmasi Fisik, Edisi ke-3, jilid ke-2, Jakarta : Universitas Indonesia Press., p.1019-1076.
- Meng, H., Xu, K., Xu, Y., Luo, P., Du, F., Huang, J., Lu, W., Yu, J., Liu, S., Muir, B., 2014. Nanocapsules based on mPEGylated artesunate prodrug and its cytotoxicity. *Colloids and Surfaces B: Biointerfaces*, Vol. 115, p. 164-169.
- Mohanraj, V.J., Chen, Y., 2006. Nanoparticles – a review. *Tropical Journal of Pharmaceutical Research*, Vol. 5, p. 561-573.
- Naik, H., Murry, D. J., Kirsch, L. E., Fleckenstein, L., 2005. Development and validation of a high-performance liquid chromatography-mass spectroscopy assay for determination of artesunate and dihydroartemisinin in human plasma. *Journal of Chromatography B*, Vol. 816, p. 233-242.
- Okwelogo, C., Boladale S., Chukwuemka A., Keinde B., 2011. Development of a simple UV Assay method for Artesunate in Pharmaceutical Formulation. *Journal of Chemical and Pharmaceutical Research*, 3(3), p. 277-285.

- Patel R.P., Patel M.P., Suthar A.M., 2009. Spray Drying Technology: an overview. *Indian J. Of Science and Technology*, Vol. 2 No. 10, p. 44-47.
- Prashanth, K.V.H., Tharanathan, R.N., 2006. Crosslinked chitosan-preparation and characterization. *Carbohydrate Research*, Vol. 341, p. 169-173.
- Pratiwi. 2012. Pengaruh Rasio Ketoprofen-Carboxymethyl Chitosan Terhadap Karakteristik Fisik Dan Profil Pelepasan Mikropartikel Ketoprofen- Carboxymethyl Chitosan. *Skripsi*: Fakultas Farmasi Universitas Airlangga, Surabaya.
- Rodrigues, S., Costa, A.M., Grenha, A. 2012. Chitosan/carageenan nanoparticles : Effect of cross-linking with tripolyphosphate and charge ratios. *Carbohydrate Polymers* Vol. 89, p. 282-289.
- Rosyda R., 2011. Pengaruh Jumlah Chitosan Terhadap Karakteristik Fisik Dan Profil Pelepasan Dari Mikropartikel Ketoprofen-Chitosan. *Skripsi*; Fakultas Farmasi Universitas Airlangga Surabaya..
- Sankalia, M. G., Mashru, R. C., Sankalia, J. M., Sutariya, V. B., 2006. Reversed chitosan-alginate polyelectrolyte complex for stability improvement of alpha-amylase : Optimization and physicochemical characterization. *Europen Journal of Pharmaceutics and Biopharmaceutics*, 65, p. 215-232.
- Shi, Lu-E., Tang, Zhen-Xing., 2009. Adsorption of nuclease P1 on chitosan nanoparticles. *Brazilian Journal of Chemical Engineering*. Vol. 26, p. 435-443.
- Shu, X.Z., Zhu, K.J., 2002. Controlled release properties of ionically cross-linked chitosan beads: the influences of anion structure. *International Journal of Pharmaceutical*, Vol/ 233, p. 217-225.

- Sinha, V.R., A.K .Singla, S.Wadhawan, R.Kaushik, R.Kumria, K. Bansai, S.Dhawan. 2004. Chitosan Microspheres as a Potential Carrier for Drugs. *International Journal of Pharmaceutics*, Vol. 274, p. 1-33.
- Swarbrick, J., 2007. *Encyclopedia of Pharmaceutical Technology Third Edition*. New York: Informa Healthcare, p. 2315-2325.
- Sweetman, S. C., 2009. *Martindale The Complete Drug Reference*. Thirty-sixth edition. London, UK: Pharmaceutical Press. p. 1945-1947.
- Tiyaboonchai, W., 2003. Chitosan nanoparticles: A promising system for drug delivery. *Naresuan University Journal*, Vol. 11 (3), p. 51-66.
- Tsai H.S. and Wang Y.Z., 2008. Properties of hydrophyilic network membranes by introducing binary crosslink agent. *Polymer Bulletin*, Vol. 60, p. 103-113.Varshosaz, J., Karimzadesh, S., 2007. Development of cross-linked chitosan films for oral mucosal delivery of lidocaine. *Research in Pharmaceutical Science*, Vol. 2, p. 43-52.
- Williams, R.O., and Vaughn, J.M., 2007. Nanoparticles engineering. In: Swarbrick, J. (Ed). *Encyclopedia of Pharmaceutical Technology*, 3rd Ed. New York: Informa Healthcare USA, Inc., p. 2384-2398.
- Wu, Y.,Yang., Wang, C., Hu, J., Fu, S. 2005. Chitosan nanoparticle asa a novel delivery system for ammonium glcyrrhizinate. *International Journal of Pharmaceutics*,Vol.295,p.235-245.