

DAFTAR PUSTAKA

- Abdullah. G.Z., Muthanna Fawzy Abdulkarim. M.F., Mallikarjun. C., Elrashid Saleh
Mahdi. E.S , Basri3. M., Munavvar Abdul Sattar. M.A., Noor. M.A. 2013. Carbopol 934, 940 and Ultrez 10 as viscosity modifiers of palm olein esters based nano-scaled emulsion containing ibuprofen. *Pak. J. Pharm. Sci.*, Vol.26, pp.75-83
- Adisakwattana, S., Roengsamran, S., Hsu, W.H., Yibchok-anun, S., 2005. Mechanisms of antihyperglycemic effect of *p*-methoxycinnamic acid in normal and streptozotocin-induced diabetic rats. *Life Sciences*, Vol. 78, p. 406-412.
- Ansel, H.C., 1989. *Pengantar Bentuk Sediaan Farmasi*. Edisi ke-4. Diterjemahkan oleh Ibrahim, F. Jakarta : UI Press, hal. 495, 496-497.
- Bhosale1. R.R., Osmani1. R.A., Ghodake1. P.P., Shaikh. S.M., Chavan. S.R. 2014. Nanoemulsion: A Review on Novel Profusion in Advanced Drug Delivery. *Indian J.Pharm.Biol.Res.* Vol. 2(1), p. 122-127.
- Calderó, Gabriela., García-Celma, María José., Solans, Conxita. 2011. Formation of polymeric nano-emulsions by a low-energy method and their use for nanoparticle preparation. *Journal of Colloid and Interface Science*, Vol. 353 p. 406–411.
- Carneiro-da-Cunha, Maria G., Cerqueira, Miguel A., Souza, Bartolomeu W.S.,
Teixeira, José A., Vicente, António A. 2011. Influence of Concentration, Ionic Strength and pH on Zeta Potential and Mean Hydrodynamic Diameter of Edible Polysaccharide Solutions Envisaged for Multinanolayered Films Production. *Carbohydrate Polymers*, Vol. 85, p. 522–528.
- Carter, S.J. Eds. 1975. *Dispensing for Pharmaceutical Students*. 12th Ed. London: Pitman Medical Publishing., p. 227-228.
- Choi, Ae-Jin., Kim, Chul-Jin., Cho, Yong-Jin., Hwang, Jae-Kwan., Kim, Chong-Tai. 2011. Characterization of Capsaicin-Loaded

Nanoemulsions Stabilized with Alginate and Chitosan by Self-assembly. *Food Bioprocess Technol*, Vol. 4, p. 1119-1126.

Conners, K.A., Lipari, J.M., 1976. Effect of cycloamyloses on apparent dissociation constants of carboxylic acids and phenols: Equilibrium analytical selectivity induced by complex formation. *J Pharm Sci*, Vol. 65, p. 380.

Devarajan, V., Ravichandran, V., 2011. Nanoemulsions: As modified drug delivery tool. *Pharmacie Globale® (IJCP)*, Vol. 2, Issue 4, p. 1-6.

Finkenstadt, Victoria L. 2005. Natural polysaccharides as electroactive polymers. *Appl Microbiol Biotechnol*, Vol. 67, p. 735-745.

He, W., Lu, Y., Qi, J., Chen, L., Hu, F., Wu, W., 2013. Nanoemulsion-templated shell-crosslinked nanocapsules as drug delivery systems. *International Journal of Pharmaceutics*, Vol. 445, p. 69-78.

Honary. S and Foruhe Zahir. F. 2012. Effect of Zeta Potential on the Properties of Nano-Drug Delivery Systems - A Review (Part 1). *Tropical Journal of Pharmaceutical Research*. Vol. 12 (2), p. 255-264

Honary. S and Foruhe Zahir. F. 2012. Effect of Zeta Potential on the Properties of Nano-Drug Delivery Systems - A Review (Part 2). *Tropical Journal of Pharmaceutical Research*. Vol. 12 (2), p. 265-273

Hwang, Mou-Chuan ., Lin, Li-Huei., Hwang, Wei-Min. 2013. Interfacial Properties of Modified Natural Polysaccharide Carbohydrate Surfactants. *PIERS Proceedings*, p.372-375.

Jaiswal, M., Dudhe. R., Sharma. P.K. 2014. Nanoemulsion: an advanced mode of drug delivery system. *3 Biotech*, DOI 10.1007/s13205-014-0214-0

Jha, S.K., Dey, S., Karki, R., 2011. Microemulsions- potential carrier for improved drug delivery. *Internationale Pharmaceutica Scientia*, Vol. 1, Issue 2, p. 25-31.

- Kim JY, Song JY, Lee EJ and Park SK. 2003. Rheological properties and microstructures of Carbopol® gel network system. *Colloid. Polym. Sci.*, Vol 281, p. 614-623.
- Khurana, S., Jain, N.K., Bedi, P.M.S., 2013. Nanoemulsion based gel for transdermal delivery of meloxicam: Physico-chemical, mechanistic investigation. *Life Sciences*, Vol. 92, p. 383-392.
- Khurana, S., Bedi, P.M.S., Jain, N.K., 2013. Preparation and evaluation of solid lipid nanoparticles based nanogel for dermal delivery of meloxicam. *Chemistry and Physics of Lipids*, Vol. 175-176, p. 65-72.
- Kogan, A., Garti, N., 2006. Microemulsions as transdermal drug delivery vehicles. *Advances in Colloid and Interface Sciences*, Vol. 123-126, p. 369-385.
- Kong, M., Park, H.J., 2011. Stability investigation of hyaluronic acid based nanoemulsion and its potential as transdermal carrier. *Carbohydrate Polymers*, Vol. 83, p. 1303-1310.
- Liebenberg, W., Engelbrecht. E., Wessels, A., Devarakonda, B., Yang, W., Villiers, M.M.D., 2004. A comparative study of the release of active ingredients from semisolid cosmeceuticals measured with Franz, enhancer or flow-through cell diffusion apparatus. *Journal of Food and Drug Analysis*, Vol. 12 No. 1, p. 19-28.
- Leong. T.S.H , Wooster. T.J. , S.E. Kentish. S.E., Ashokkumar. M. 2009. Minimising oil droplet size using ultrasonic emulsification. *Ultrasonics Sonochemistry*, Vol. 16, p. 721-727.
- Mou, D., Chen, H., Du, D., Mao, C., Wan, J., Xu, H., Yang, X., 2008. Hydrogel-thickened nanoemulsion system for topical delivery of lipophilic drugs. *International Journal of Pharmaceutics*, Vol. 353, p. 270-276.
- Mun, Saehun., Decker, Eric A., McClements, D. Julian. 2005. Influence of Droplet Characteristics on the Formation of Oil-in-Water Emulsions Stabilized by Surfactant-Chitosan Layers. *Langmuir*, Vol. 21, p. 6228-6234.

- Oliveira. J.S., Aguiar. T.A., Mezdari. H., and dos Santos O.D.H. 2011. Attainment of Hydrogel-Thickened Nanoemulsions With Tea Tree Oil (*Melaleuca alternifolia*) and Retinyl Palmitate. *African Journal of Biotechnology*. Vol. 10(60), pp. 13014-13018.
- Ostertag, Felix., Weiss, Jochen., McClements, David Julian. 2012. Low-energy formation of edible nanoemulsions: Factors influencing droplet size produced by emulsion phase inversion. *Journal of Colloid and Interface Science* Vol. 388, p. 95–102
- P. Bhatt and S. Madhav., 2011. A Detailed Review On Nanoemulsion Drug Delivery System. *International Journal of Pharmaceutical Science and Research*. Vol 2(9), p. 2292-2298
- Pratama, W.N., 2013. Uji kelarutan asam *p*-metoksisinamat dan karakterisasi nanoemulsi o/w dengan minyak kedelai sebagai fase minyak (perbandingan fase minyak : fase air = 1:20, 1:25, 1:27,5). *Skripsi*. Fakultas Farmasi Universitas Airlangga.
- Rahmawati, R.A., 2013. Karakterisasi dan uji kelarutan asam *p*-metoksisinamat dalam sistem nanoemulsi menggunakan minyak jagung (nanoemulsi o/w dengan perbandingan surfaktan (tween 80 - span 80) dan kosurfaktan (etanol 96%) yaitu 6:1). *Skripsi*. Fakultas Farmasi Universitas Airlangga.
- Rowe, R.C., Sheskey, P.J., Quinn,M.E. Eds. 2009. *Handbook of Pharmaceutical Excipients*. 6th Ed. London: Pharmaceutical Press., p. 17-19, 184-185, 199-200, 503, 549-553, 659, 675-678, 682-684..
- Saloko, S., Darmadji, P., Setiaji, B., Pranoto, Y., Anal, A.K., 2013. Encapsulation of coconut shell liquid smoke in chitosan-maltodextrin based nanoparticles. *International Food Research Journal*, Vol. 20, p. 1269-1276.
- Sharma, P., 2011. Cinnamic acid derivatives: A new chapter of various pharmacological activities. *Journal of Chemical and Pharmaceutical Research*, Vol. 3 No. 2, p. 403-423.
- Shafiq-un-Nabi. S., Shakeel. F., Talegaonkar. S., Ali. J., Baboota. S., Alka Khar. A.A.R, Ali. M. 2007. Formulation Development and

Optimization Using Nanoemulsion Technique. *A Technical Note. AAPS PharmSciTech*, Vol. 8 (2) Article 28.

- Sivagami, G., Karthikkumar, V., Balasubramanian, T., Nalini, N., 2012. The modulatory influence of p-methoxycinnamic acid, an active rice bran phenolic acid, against 1,2-dimethylhydrazine-induced lipid peroxidation, antioxidant status and aberrant crypt foci in rat colon carcinogenesis. *Chemico-Biological Interactions*, Vol. 196, p. 11-22.
- Sweetman, S.C. Eds. 2009. *Martindale*. 36th Ed. London: Pharmaceutical Press., p. 1920.
- Tadros. T., P. Izquierdob, J. Esquenab, C. Solans. 2004. Formation and stability of nano-emulsions. *Advances in Colloid and Interface Science*, Vol. 108-109, p. 303-318.
- Umar, M.I., Asmawi, M.Z., Sadikun, A., Atangwho, I.J., Yam, M.F., Altaf, R., Ahmed, A., 2012. Bioactivity-guided isolation of ethyl-p-methoxycinnamate, an anti-inflammatory constituent, from *kaempferia galanga* L. extracts. *Molecules*, Vol. 17, p. 8720-8734.
- Voigt, R., 1994. *Buku Pelajaran Teknologi Farmasi*. Diterjemahkan oleh Noerono, S. Yogyakarta: Gadjah Mada University Press, hal. 65, 781, 794-797, 809-811.
- Winarso, L.A., 2013. Karakterisasi dan uji kelarutan APMS (asam p-metoksisinamat) dalam sistem nanoemulsi o/w dengan fase minyak VCO (nanoemulsi o/w dengan surfaktan span 80 – tween 80 : kosurfaktan etanol 96% = 6 : 1). *Skripsi*. Fakultas Farmasi Universitas Airlangga.
- Wijayanti. A. 2014. Uji Pelepasan Asam p-Metoksisinamat (APMS) Dalam Sistem Nanoemulsi (Komposisi Fase Minyak : Surfaktan - Kosurfaktan : Fase Air = 1 : 9 : 27,5). *Skripsi*. Fakultas Farmasi Airlangga.
- Yafei, Wang., Tao , Zhang., Gang, Hu. 2005. Structural Evolution of Polymer-Stabilized Double Emulsions. *Langmuir*, Vol. 22, p. 67–73.
- Yuan. Y., Gao. Y., Zhao. J., Mao. L., 2007. Characterization and

stability evaluation of b-carotene nanoemulsions prepared by high pressure homogenization under various emulsifying conditions. *Food Research International*, Vol.41, p. 61-68

Zhu W, Guo C, Yu A, Gao Y, Cao F and Zhai G. 2009. Microemulsion-based hydrogel formulation of penciclovir for topical delivery. *Int. J. Pharm.* Vol 378, p. 152-158.

