

DAFTAR PUSTAKA

- Abood, R.M., Talengonkar, S., Tariq, M., Ahmad, F.J., 2013. Microemulsion as a tool for the transdermal delivery of ondansetron for the treatment of chemotherapy induced nausea and vomiting. *Colloids and Surfaces B: Biointerfaces* 101, p. 143-151
- Akbari, J. *et al.* .2015. Transdermal absorption enhancing effect of the essential oil of *Rosmarinus officinalis* on percutaneous absorption of Na diclofenac from topical gel, *Pharmaceutical Biology*, 53(10), pp. 1442–1447. doi: 10.3109/13880209.2014.984855.
- Andrade, J. M., Faustino, C., Garcia, C., Ladeiras, D., Reis, C. P., & Rijo, P. 2018. *Rosmarinus officinalis* L.: An update review of its phytochemistry and biological activity. *Future Science OA*, 4(4)
- Bank, G., Kagan, D. and Madhavi, D. 2011. Coenzyme Q 10: Clinical update and Bioavailability, *Complementary Health Practice Review*, 16(2), pp. 129–137. doi: 10.1177/2156587211399438.
- Bhosale, R. R. *et al.* (2014) Nanoemulsion: A review on novel profusion in advanced drug delivery. *Indian Journal of Pharmaceutical and Biological Research*, 2(1), pp. 122–127.*
- Bilia, A. R., Guccione, C., Isacchi, B., Righeschi, C., Firenzuoli, F., & Bergonzi, M. C. 2014. Essential Oils Loaded in Nanosystems: A Developing Strategy for a Successful Therapeutic Approach. *Evidence-Based Complementary and Alternative Medicine*, 1–15.
- Blatt, T. and Littarru, G. P. 2011. Biochemical rationale and experimental data on the antiaging properties of CoQ 10 at skin level, *BioFactors*, 37(5), pp. 381–385. doi: 10.1002/biof.169.
- Cirri, M. *et al.* 2012 Development of a new delivery system consisting in “drug - In cyclodextrin - In nanostructured lipid carriers” for ketoprofen topical delivery, *European Journal of Pharmaceutics and Biopharmaceutics*. Elsevier B.V., 80(1), pp. 46–53. doi: 10.1016/j.ejpb.2011.07.015.
- Dewi, R., Anwar, E., & Yunita, K. S. 2016. Uji Stabilitas Fisik Formula Krim yang Mengandung Ekstrak Kacang Kedelai (*Glycine max*). *Pharmaceutical Sciences and Research*, 1(3), 194–208.
- Ebtavanny, T. G., Soeratri, W. and Rosita, N. 2018. Effect of lipid composition on nanostructured lipid carrier (NLC) on ubiquinone effectiveness as an anti-aging cosmetics, *International Journal of Drug Delivery Technology*, 8(3), pp. 144–152. doi:

10.25258/ijddt.8.3.5.

- Erawati, T., Hariyadi, M., Rosita, N., & Purwanti, T. 2019. The Anti-inflammatory Activity of p- methoxycinnamic acid (PMCA) in the Nanostructured lipid carrier (NLC) system using combinations of solid lipid , beeswax-oleum cacao and liquid lipid , Virgin Coconut oil (VCO). *Research Journal of Pharmacy and Technology*, 12(8), 3619–3625.
- Erawati, T., Hendradi, E., & Soeratri, W. 2014. Praformulation study of P-Methoxycinnamic Acid (PMCA) nanoemulsion using vegetable oils (soybean oil, corn oil, VCO). *International Journal of Pharmacy and Pharmaceutical Sciences*, 6(2), 99–101.
- Fir, M. M. *et al.* 2009. Studies of CoQ10 and cyclodextrin complexes: Solubility, thermo- and photo-stability , *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, 64(3–4), pp. 225–232. doi: 10.1007/s10847-009-9555-4.
- Fiume, M. M. *et al.* 2018. *Safety Assessment of Rosmarinus officinalis (Rosemary)-Derived Ingredients as Used in Cosmetics*, *International Journal of Toxicology*. doi: 10.1177/1091581818800020.
- Fox, L. T. *et al.* 2011. Transdermal drug delivery enhancement by compounds of natural origin , *Molecules*, 16(12), pp. 10507–10540. doi: 10.3390/molecules161210507.
- Garcia, C., Ladeiras, D. and Reis, C. P. 2018. *Rosmarinus officinalis L. : an update review of its phytochemistry and biological activity* , 4.
- Garrido-maraver, J. *et al.* 2014. Centro Andaluz de Biología del Desarrollo (CABD), and Centro de Investigación Biomedica en Red, Enfermedades Raras, Instituto de Salud Carlos III, Universidad Pablo de Olavide-Consejo Superior de Investigaciones Científicas, Sevilla 41013, Spain. 2 Facult , *Frontiers in Bioscience*, 19, pp. 619–633.
- Handayani, F. S., Nugroho, B. H., & Munawiroh, S. Z. 2019. Optimization of Low Energy Nanoemulsion of Grape Seed Oil Formulation Using D-Optimal Mixture Design (DMD). *Jurnal Ilmiah Farmasi*, 14(1), 17–34.
- Hendradi, E., Rosita, N., & Rahmadhanniar, E. 2017. Effect of lipid ratio of stearic acid and oleic acid on characteristics of nanostructure lipid carrier (NLC) system of diethylammonium diclofenac. *Indonesian Journal of Pharmacy*, 28(4), 198–204.
- Iman, S. N. 2018. Pengaruh Perbandingan Lipid Padat Oleum Cacao-

- Beeswax Dan Lipid Cair Minyak Zaitun terhadap Karakteristik NLC-APMS (Oleum Cacao-Beeswax : Minyak Zaitun= 60:40; 70:30; 80:20). *Skripsi*. Universitas Airlangga.
- Iqbal, M. A., Md, S., Sahni, J. K., Baboota, S., Dang, S., & Ali, J. 2012. Nanostructured lipid carriers system: Recent advances in drug delivery. *Journal of Drug Targeting*, 20(10), 813–830.
- Knott, A. *et al.* 2015. Topical treatment with coenzyme Q10-containing formulas improves skin s Q10 level and provides antioxidative effects , *BioFactors*, 41(6), pp. 383–390. doi: 10.1002/biof.1239.
- Krambeck, K. *et al.* .2020. Colloids and Surfaces B : Biointerfaces Lipid nanocarriers containing Passi fl ora edulis seeds oil intended for skin application , *Colloids and Surfaces B: Biointerfaces*. Elsevier, 193(May), p. 111057. doi: 10.1016/j.colsurfb.2020.111057.
- Lakshmi, P. K., Samratha, K., Prasanthi, D., Veeresh, B., & Chennuri, A. 2017. Oils As Penetration Enhancers for Improved Transdermal Drug Delivery: a Review. *International Research Journal of Pharmacy*, 8(4), 9–17.
- Lasoń, E. *et al.* .2018. NLCs as a potential carrier system for transdermal delivery of forskolin * , 65(3).
- Li, Q. *et al.* .2017. A review of the structure, preparation, and application of NLCs, PNPs, and PLNs , *Nanomaterials*, 7(6), pp. 1–25. doi: 10.3390/nano7060122.
- Montenegro, L. *et al.* 2017. Rosemary essential oil-loaded lipid nanoparticles: In vivo topical activity from gel vehicles , *Pharmaceutics*, 9(4), pp. 1–12. doi: 10.3390/pharmaceutics9040048.
- Pardeike, J., Hommoss, A. & H. Muller, R., 2008. Lipid nanoparticles (SLN, NLC) in cosmetic and pharmaceutical dermal products. *International Journal of Pharmaceutics*.
- Pardeshi, C. *et al.* 2012. Solid lipid based nanocarriers: An overview , *Acta Pharmaceutica*, 62(4), pp. 433–472. doi: 10.2478/v10007-012-0040-z.
- Phatak, A., and Chaudhari P. 2013. Development And Evaluation Of Nanostructured Lipid Carrier (NLC) Based Topical Delivery Of An Antiinflammatory Drug. *Journal of Pharmaceutical Respiration*. Vol. 8 No.7.
- Pornputtapitak, W. *et al.* 2019. Effect of oil content on physiochemical characteristics of γ -oryzanol-loaded nanostructured lipid carriers , *Journal of Oleo Science*, 68(8), pp. 699–707. doi:

10.5650/jos.ess18127.

- Qian, C. *et al.* 2012. Inhibition of β -carotene degradation in oil-in-water nanoemulsions: Influence of oil-soluble and water-soluble antioxidants, *Food Chemistry*. Elsevier Ltd, 135(3), pp. 1036–1043. doi: 10.1016/j.foodchem.2012.05.085.
- Rini, Anggraini, T. and Ritonga, N. B. 2020. Making Skin Lotion From Virgin Coconut Oil With Adding Several Natural Plants Extract as a Skin Protector, *IOP Conference Series: Earth and Environmental Science*, 515, p. 012031. doi: 10.1088/1755-1315/515/1/012031.
- Rochman, M. F., Isnaeni and Hendradi, E. 2018. Design of nanostructured lipid carriers Ubiquinone-10 for transdermal treatment , *International Journal of Drug Delivery Technology*, 8(3), pp. 116–120. doi: 10.25258/ijddt.8.3.1.
- Rowe, R. C., Sheskey, P. J., & Quinn, marian E. 2009. Handbook Of Pharmaceutical Exipients Sixth Edition. In The Pharmaceutical Press and American Pharmacists Association (6th ed., pp. 155–156, 470–472, 549–553, 592–593). London: The Pharmaceutical Press.
- Shah, R. *et al.* 2014. Optimisation and Stability Assessment of Solid Lipid Nanoparticles using Particle Size and Zeta Potential , 25(1), pp. 59–75.
- Shoviantari, F. 2017. Efektivitas, Iritabilitas, dan Stabilitas Fisik Coenzym Q10 dalam Sistem Penghantaran Nanoemulsi dan Nanostructured Lipid Carriers Sebagai Kosmetika Antiaging. *Tesis*. Universitas Airlangga.
- Silva, E. K. *et al.* 2018. *Functional and Therapeutic Products, Food Quality: Balancing Health and Disease*. Elsevier Inc. doi: 10.1016/B978-0-12-811443-8/00012-8.
- Tan, S. W. and Billa, N. 2014. Lipid effects on expulsion rate of amphotericin b from solid lipid nanoparticles, *AAPS PharmSciTech*, 15(2), pp. 287–295. doi: 10.1208/s12249-013-0056-9.
- Teo, Y. Y., Latif, F. M., Misran, M., Suk, V. R. E., & Low, K. H. 2020. Formulation and Physicochemical Properties of Nanostructured Lipid Carriers from Beeswax and Rosemary Oil as a Drug. *Chiang Mai J. Sci.*, 47(1), 114–126
- Troy, D., and Beringer P., 2006. *Remington : The Science and Practice of Pharmacy*, Lippincot Williams and Wilkins, Baltimore.
- Uner, M. 2006. Preparation , Characterization and Physico-Chemical Properties of Solid Lipid Nanoparticles (SLN) and Nanostructured Lipid Carriers (NLC): *Their benefits as Colloidal Drug Carrier*

Systems, 61, 375–386.

- Vinardell, M. P. and Mitjans, M. 2015. Nanocarriers for delivery of antioxidants on the skin, *Cosmetics*, 2(4), pp. 342–354. doi: 10.3390/cosmetics2040342.
- Vipul, A dan Devesh, S., 2012. Stability Testing Of Active Pharmaceutical Ingredient [Api]. *Journal of Pharmaceutical and Scientific Innovation I* (2), March – April 2012, 18-23
- Witayaudom, P. and Klinkesorn, U. 2017. Journal of Colloid and Interface Science Effect of surfactant concentration and solidification temperature on the characteristics and stability of nanostructured lipid carrier (NLC) prepared from rambutan (*Nephelium lappaceum* L .) kernel fat , *Journal of Colloid And Interface Science*. Elsevier Inc., 505, pp. 1082–1092. doi: 10.1016/j.jcis.2017.07.008.