



## DAFTAR PUSTAKA

- Al-Temimi, A. A., Al-Hilifi, S. A., & Aum-El-bashar, A.-M. (2023). An investigation on glutathione derived from spinach and red cabbage leaves and their effects of adding to meat patties. *Saudi Journal of Biological Sciences*, 30(5), 103632.
- Alhalmi, A., Amin, S., Khan, Z., Beg, S., Al Kamaly, O., Saleh, A., & Kohli, K. (2022). Nanostructured lipid carrier-based codelivery of raloxifene and naringin: formulation, optimization, in vitro, ex vivo, in vivo assessment, and acute toxicity studies. *Pharmaceutics*, 14(9), 1771.
- Ansari, M. J., Anwer, M. K., Jamil, S., Al-Shdefat, R., Ali, B. E., Ahmad, M. M., & Ansari, M. N. (2016). Enhanced oral bioavailability of insulin-loaded solid lipid nanoparticles: pharmacokinetic bioavailability of insulin-loaded solid lipid nanoparticles in diabetic rats. *Drug delivery*, 23(6), 1972-1979.
- Anter, H. M., Abu Hashim, I. I., Awadin, W., & Meshali, M. M. (2019). Novel chitosan oligosaccharide-based nanoparticles for gastric mucosal administration of the phytochemical "apocynin". *International journal of nanomedicine*, 4911-4929.
- Arocikia Jency, D., Parimaladevi, R., Vasant Sathe, G., & Umadevi, M. (2018). Glutathione functionalized gold nanoparticles as efficient surface enhanced Raman scattering substrate for poly chlorinated biphenyl detection. *Journal of Cluster Science*, 29, 281-287.
- Aryani, R., Hidayat, A. F., & Karimah, A. Z. (2021). Desain dan Optimasi NLC (Nanostructured Lipid Carriers) Ekstrak Etanol Daun Teh Hijau (*Camellia sinensis* L. Kuntze) dengan Variasi Lipid. *Jurnal Ilmiah Farmasi Farmasyifa* Vol, 4(1).
- Ashar, N. A., & Riyaningrum, W. (2022). Description of Knowledge Level of Prevention of Skin Hyperpigmentation in Adolescents. *Proceedings Series on Health & Medical Sciences*, 3, 55-61.
- Atlibatur, R., Bahadori, F., Kizilcay, G. E., Ide, S., & Gürsel, Y. (2023). Preparation and characterization of glyceryl dibehenate and glyceryl monostearate-based lyotropic liquid crystal nanoparticles as carriers for hydrophobic drugs. *Journal of Drug Delivery Science and Technology*, 87, 104821.
- Banna, H., Hasan, N., Lee, J., Kim, J., Cao, J., Lee, E. H., . . . Yoo, J.-W. (2018). In vitro and in vivo evaluation of MHY908-loaded nanostructured lipid carriers for the topical treatment of hyperpigmentation. *Journal of Drug Delivery Science and Technology*, 48, 457-465.



- Li, M., Yahoum, M. M., Ezzroug, K., Toumi, S., Lefnaoui, S., Moulai-Mostefa, Amrane, A. (2024). Formulation and Characterization of Double Emulsions (W/O/W) Stabilized by Two Natural Polymers with Two Manufacturing Processes (Comparative Study). *ChemEngineering*, 8(2), 34.
- Fabian, I. M., Sinnathamby, E. S., Flanagan, C. J., Lindberg, A., Tynes, B., Kelkar, R. A., . . . Kaye, A. D. (2023). Topical Hydroquinone for Hyperpigmentation: A Narrative Review. *Cureus*, 15(11).
- Ghasemiyeh, P., & Mohammadi-Samani, S. (2018). Solid lipid nanoparticles and nanostructured lipid carriers as novel drug delivery systems: Applications, advantages and disadvantages. *Research in pharmaceutical sciences*, 13(4), 288-303.
- Hamishehkar, H., Same, S., Adibkia, K., Zarza, K., Shokri, J., Taghaee, M., & Kouhsoltani, M. (2015). A comparative histological study on the skin occlusion performance of a cream made of solid lipid nanoparticles and Vaseline. *Research in pharmaceutical sciences*, 10(5), 378-387.
- Hidayah, N. (2018). The Effect Of Papain Enzyme Dosage On The Modification Of Egg-Yolk Lecithin Emulsifier Product Through Enzymatic Hydrolysis Reaction. *International Journal of Technology*, 9(2).
- Jafar, G., Putriyanti, A.-f., & Muhsinin, S. (2025). Formulation and Characterization of Tretinoin Nanostructured Lipid Carriers Using Apifil and Cremophore. *Indonesian Journal of Pharmaceutics*, 5(3), 477-484.
- Johnson Jr, W., Bergfeld, W. F., Belsito, D. V., Hill, R. A., Klaassen, C. D., Liebler, D. C., Snyder, P. W. (2020). Safety assessment of lecithin and other phosphoglycerides as used in cosmetics. *International journal of toxicology*, 39(2), 5S-25S.
- Khan, B. A., Ahmad, N., Alqahtani, A., Baloch, R., Rehman, A. U., & Khan, M. K. (2024). Formulation development of pharmaceutical nanoemulgel for transdermal delivery of feboxostat: Physical characterization and in vivo evaluation. *European Journal of Pharmaceutical Sciences*, 195, 106665.
- Koh, Y. S., Wong, S. K., Ismail, N. H., Zengin, G., Duangjai, A., Saokaew, S., . . . Tang, S. Y. (2021). Mitigation of environmental stress-impacts in plants: Role of sole and combinatory exogenous application of glutathione. *Frontiers in plant science*, 12, 791205.
- Krambeck, K., Silva, V., Silva, R., Fernandes, C., Cagide, F., Borges, F., . . . Amaral, M. H. (2021). Design and characterization of Nanostructured lipid carriers (NLC) and Nanostructured lipid carrier-based hydrogels containing Passiflora edulis seeds oil. *International journal of pharmaceutics*, 600, 120444.
- Larkin, P. (2011). Infrared and Raman Spectroscopy. Second Edition. Elsevier:US
- Listiyana, A., Mutiah, R., Suryadinata, A., & Salsabilla, F. R. (2020). Pengembangan sistem Nanostructured Lipid Carrier (NLC) daun Chrysanthemum cinerariifolium



- v.) vis dengan variasi konsentrasi lipid. *Journal of Islamic Medicine*, 4(2), 86-91.
- ma, M., Lu, G.-L., Zhang, Z., Yin, N., & Wen, J. (2023). Full factorial design, physicochemical characterization, ex vivo investigation, and biological assessment of glutathione-loaded solid lipid nanoparticles for topical application. *International journal of pharmaceutics*, 630, 122381.
- Mahmood, M. (2022). The effectiveness of glutathione on skin lightening: a review. *International Journal of Medical Sciences*, 5(2), 5-16.
- Masum, M. N., Yamauchi, K., & Mitsunaga, T. (2019). Tyrosinase inhibitors from natural and synthetic sources as skin-lightening agents. *Reviews in Agricultural Science*, 7, 41-58.
- Nurhidayat, A. S., & Mardawati, E. (2022). Aplikasi Metode Promethee dalam Kajian Potensi Bahan Baku Nabati untuk Produksi Lesitin Halal. *JOISIE (Journal Of Information Systems And Informatics Engineering)*, 6(1), 8-14.
- Putri, P. A., & Lumintang, Y. A. (2023). Pengembangan Formula Nanostructured Lipid Carrier (NLC) Sebagai Pembawa Minyak Atsiri Melati (*Jasminum officinale* L.) serta Potensi Aktivitas Antioksidan. *Majalah Farmasi dan Farmakologi*, 27(2), 32-38.
- Qi, W., Tian, Y., Lu, D., & Chen, B. (2022). Detection of glutathione in dairy products based on surface-enhanced infrared absorption spectroscopy of silver nanoparticles. *Frontiers in Nutrition*, 9, 982228.
- Rao, H., Ahmad, S., Madni, A., Rao, I., Ghazwani, M., Hani, U., . . . Ahmed, M. (2022). Compritol-based alprazolam solid lipid nanoparticles for sustained release of alprazolam: Preparation by hot melt encapsulation. *Molecules*, 27(24), 8894.
- Saeedi, M., Eslamifar, M., & Khezri, K. (2019). Kojic acid applications in cosmetic and pharmaceutical preparations. *Biomedicine & Pharmacotherapy*, 110, 582-593.
- Shen, Z., Wang, Y., Guo, Z., Tan, T., & Zhang, Y. (2019). Novel tyrosinase inhibitory peptide with free radical scavenging ability. *Journal of enzyme inhibition and medicinal chemistry*, 34(1), 1633-1640.
- Sintia, U., Andayani, R., & Lucida, H. (2023). Nanotope™ sebagai Sistem penghantaran Cosmeceutical untuk Meningkatkan Intensitas Efek pada Kulit. *Journal of Pharmaceutical and Sciences*, 692-701.
- Sonthalia, S., Jha, A. K., Lallas, A., Jain, G., & Jakhar, D. (2018). Glutathione for skin lightening: a regnant myth or evidence-based verity? *Dermatology practical & conceptual*, 8(1), 15.
- Subramaniam, B., Siddik, Z. H., & Nagoor, N. H. (2020). Optimization of nanostructured lipid carriers: Understanding the types, designs, and parameters in the process of formulations. *Journal of nanoparticle research*, 22, 1-29.



Hasham, R., & Rosli, N. (2015). Effects of formulation parameters on particle and polydispersity index of orthosiphon stamineus loaded nanostructured carrier. *J Adv Res Appl Sci Engineer Technol*, 1(1), 36-39.

Wilar, G., Lesmana, R., Zulhendri, F., Suharyani, I., Hasan, N., & Wathoni, N. (2023). Propolis-based nanostructured lipid carriers for  $\alpha$ -mangostin delivery: formulation, characterization, and in vitro antioxidant activity evaluation. *Molecules*, 28(16), 6057.

Takechi-Haraya, Y., Ohgita, T., Demizu, Y., Saito, H., Izutsu, K.-i., & Sakai-Kato, K. (2022). Current status and challenges of analytical methods for evaluation of size and surface modification of nanoparticle-based drug formulations. *AAPS PharmSciTech*, 23(5), 150.

Tatke, A., Dudhipala, N., Janga, K. Y., Balguri, S. P., Avula, B., Jablonski, M. M., & Majumdar, S. (2018). In situ gel of triamcinolone acetonide-loaded solid lipid nanoparticles for improved topical ocular delivery: tear kinetics and ocular disposition studies. *Nanomaterials*, 9(1), 33.

Taurina, W., Sari, R., Hafinur, U. C., & Isnindar, S. (2017). Optimasi kecepatan dan lama pengadukan terhadap ukuran nanopartikel kitosan-ekstrak etanol 70% kulit jeruk siam (*Citrus nobilis* L. var *Microcarpa*). *Traditional Medicine Journal*, 22(1), 16-20.

Viegas, C., Patrício, A. B., Prata, J. M., Nadhman, A., Chintamaneni, P. K., & Fonte, P. (2023). Solid lipid nanoparticles vs. nanostructured lipid carriers: a comparative review. *Pharmaceutics*, 15(6), 1593.