

## DAFTAR PUSTAKA

1. Hawkins S, Wolf M, Guyard G, Greenberg S, Dayan N. Microcapsules as a delivery system. In: *Delivery System Handbook for Personal Care and Cosmetic Products: Technology, Applications and Formulations*. William Andrew Inc.; 2005. p. 191–213.
2. Garg A, Chhipa K, Kumar L. Microencapsulation techniques in pharmaceutical formulation. *Eur J Pharm Med Res*. 2018;5(3):199–206.
3. Pandey S, Kumar S. Preparation and evaluation of chlorpheniramine maleate microcapsules by ionic-gelation method. *Int J Pharm Res Sch*. 2014;3(1):491–5.
4. Kementerian Kesehatan RI. *Farmakope Indonesia Edisi VI*. Kemenkes RI. 2020.
5. Gonçalves A, Estevinho BN, Rocha F. Microencapsulation of vitamin A: A review. *Trends in Food Science and Technology*. 2016.
6. Asyhari AG. *Formulasi dan evaluasi fisik mikrokapsul dari ekstrak kedelai (Glycine max L.Merr) dengan metode penguapan pelarut [skripsi]*. Fakultas Farmasi Universitas Hasanuddin; 2013.
7. Sailaja AK, Jyothika M. A review on Microcapsules. *CIBTech J Pharm Sci*. 2015;4(2):26–33.
8. Li M, Rouaud O, Poncelet D. Microencapsulation by solvent evaporation: State of the art for process engineering approaches. *Int J Pharm*. 2008;26–9.
9. Hermann J, Bodmeier R. Biodegradable, samostotin acetate containing microspheres prepared by various aqueous and non aqueous solvent evaporation methods. *J, Pharm Biopharm*. 1998;45(1):75–82.
10. Kurniawan R, Rahmat D. Mikroenkapsulasi controlled release lansoprazol dengan kombinasi hydroxy propyl methyl cellulose phthalate dan natrium alginat secara gelasi ionotropik. *J Ilmu Kefarmasian Indones*. 2016;14(1):86–92.
11. Akash MSH, Rehman K, Akash MSH, Rehman K. *Essentials of pharmaceutical analysis*. Singapore: Springer Nature; 2020.
12. Fajria TR, Nuwarda RF. Teknologi sediaan oral lapis tipis terlarut cepat (fast dissolving film). *Maj Farmasetika*. 2018;3(3):58.
13. Abdou H. *Dissolution, bioavailability & bioequivalence*. Mack Publishing Company; 1989.

14. Fadholi A. Disolusi dan pelepasan obat in vitro. Yogyakarta: Pustaka Pelajar; 2013.
15. Suprianto. Analisis kinetika pelepasan teofilin dari granul matriks kitosan. *J Ilm Manuntung*. 2016;2(1):70–80.
16. Mandala Y. Mikroenkapsulasi spironolakton menggunakan polimer eudragit RL PO dengan metode emulsifikasi penguapan pelarut [skripsi]. Padang: Fakultas Farmasi Universitas Andalas; 2016.
17. PubChem. PubChem Compound. National Center for Biotechnology Information, U.S. National Library of Medicine. 2016.
18. Sweetman SC. Martindale 36th edition: The complete drug reference. Pharmaceutical Press. 2009.
19. McEvoy GK. AHFS drug information essentials. American Society of Health-System Pharmacists. 2011.
20. Evonik. Eudragit E 100, Eudragit E PO and Eudragit E 12,5. Evonik Technical Information. 2015.
21. Giannopoulou I, Saïs F, Thomopoulos R. Handbook of pharmaceutical excipients sixth edition. *Revue des Nouvelles Technologies de l'Information*. 2015.
22. Ayyad O. Novel strategies the synthesis of metal nanoparticle and nanostructure. Universitat de Barcelona; 2011.
23. Dachriyanus. Analisis struktur senyawa organik secara spektroskopi lembaga. Padang: Lembaga Pengembangan Teknologi Informasi dan Komunikasi (LPTIK) Universitas Andalas; 2004.
24. Pandya H V. Formulation and evaluation of microcapsules of trihexyphenidyle hydrochloride by solvent evaporation method. *Int J Pharm Sci Res*. 2012;3(2):539–44.
25. Wahyuni R, Halim A, Irawati YS. Mikroenkapsulasi karbamazepin dengan polimer HPMC menggunakan metoda emulsifikasi penguapan pelarut. *J Farm Higea*. 2015;7(2):190–207.
26. Rivai H, Larasaky M, Azizah Z. Pengembangan dan validasi metode analisis klorfeniramin maleat dalam tablet dengan metode absorbansi dan luas daerah di bawah kurva secara spektrofotometri ultraviolet. *J Sains dan Teknol Farm*. 2017;19(1):58–63.
27. Noviendri D. Mikroenkapsulasi fukosantin dengan metode penguapan

pelarut emulsi ganda air-dalam-minyak-dalam-air ( a /w /a ). Squalen Bull Mar Fish Postharvest Biotechnol. 2014;9(3):137–50.

28. Chiappetta DA, Carcaboso ÁM, Bregni C, Rubio M, Bramuglia G, Sosnik A. Indinavir loaded pH sensitive microparticles for taste masking : toward extemporaneous pediatric anti-HIV/AIDS liquid formulations with improved patient compliance. AAPS PharmSciTech. 2009;10(1):1–6.
29. Bogataj M, Mrhar A, KristL A, Kozjek F. Preparation and evaluation of eudragit E microspheres containing bacampillin. Drug Dev Ind Pharm. 1989;15(14–16):2295–313.
30. Bahera BC, Sahoo SK, Dhal S, Barik B, Gupta BK. Characterization of glipizide loaded polymethacrylate Microspheres prepared by an emulsion solvent evaporation method. Trop J Pharm Res. 2008;7:879–85.
31. Biswal I, Dinda A, Das D. Encapsulation protocol for hydrophilic drug using non biodegradable polymer. Int J Pharm Pharm Sci. 2011;3:256–9.
32. Harmita. Petunjuk pelaksanaan validasi metode dan cara perhitungannya. Maj Ilmu Kefarmasian. 2004;1(3):117–35.
33. Mazumder B, Dey S, Sciences AH. Preparation and in vitro evaluation of chlorpheniramine maleate loaded microspheres. Int J PharmTech Researc. 2014;1(3).
34. Sutriyo S, Djajadisastra J, Novitasari A. Mikroenkapsulasi Propanolol Hidroklorida Dengan Penyalut Etil Selulosa Menggunakan Metoda Penguapan Pelarut. Maj Ilmu Kefarmasian. 2004;1(2):93–101.
35. Tiwari S, Verma P. Microencapsulation technique by solvent evaporation method ( Study of effect of process variables ). Int J Pharm Life Sci. 2011;2(8):998–1005.
36. Anwar DA, Supartinah A, Handajani J. Efek kumur ekstrak teh hijau (Camellia sinensis) terhadap derajat keasaman dan volume saliva penderita gingivitis. Indones J Dent. 2007;14(1):22–6.
37. Iqbal M, Zafar N, Fessi H, Elaissari A. Double emulsion solvent evaporation techniques used for drug encapsulation. Int J Pharm. 2015;30.
38. Pradhan R, Kim SY, Yong CS, Kim JO. Preparation and characterization of spray-dried valsartan-loaded Eudragit® E PO solid dispersion microparticles. Asian J Pharm Sci. 2016;11(6):744–50.
39. Purnama H, Soraya M. Studi in-vitro ketoprofen melalui rute transdermal. J Farmaka. 2011;14(1):70–81.

40. Rizky F. Mikroenkapsulasi lansoprazole dengan penyalut eudragit RS PO menggunakan metode emulsifikasi penguapan pelarut [skripsi]. Padang: Fakultas Farmasi Universitas Andalas; 2016.

