

DAFTAR PUSTAKA

1. Phuong NNM, Le TT, Nguyen MVT, Camp J Van, Raes K. Antioxidant Activity of Rambutan (*Nephelium lappaceum* L.) Peel Extract in Soybean Oil during Storage and Deep Frying. *Eur J Lipid Sci Technol.* 2019;122(2).
2. Badan Pusat Statistik. Statistik Tanaman Buah-Buahan dan Sayur-Sayuran. 2015. 62 p.
3. Mulyanto A. Pengujian Nilai Nutrisi Kulit Rambutan (*Nephelium lappaceum* Linn) dengan Teknik In Vitro dalam Pemanfaatannya sebagai Pakan Ruminansia. 1993.
4. Lin, S.I., Wang, C.C., Lu, Y.L., Wu, W.C., Hou WC. Antioxidant, antisemicarbazide-sensitive amine oxidase, and anti-hypertensive activities of geraniin isolated from *Phyllanthus urinaria*. *Food Chem Toxicol.* 2008;(46):2485–2492.
5. Yang, C.M., Cheng, H.Y., Lin, T.C., Chiang, L.C., Lin CC. The in vitro activity of geraniin and 1,3,4,6-tetra-O-galloyl-b-D-glucose isolated from *Phyllanthus urinaria* against herpes simplex virus type 1 and type 2 infection. *J Ethnopharmacol.* 2007;(110):555–558.
6. Jassim, S.A.A., Naji MA. Novel antiviral agents: a medicinal plant perspective. *JAppl Microbiol.* 2003;(95):412–427.
7. Nakanishi, Y., Okuda, T., Abe H. Effects of geraniin on the liver in rats III. Correlation between lipid accumulations and liver damage in CC14-treated rats. *Nat Med.* 1999;(53):22–26.
8. Palanisamy, U. D., Ling, L. T., Manaharan, T., & Appleton D. Rapid isolation of geraniin from *Nephelium lappaceum* rind waste and its anti-hyperglycemic activity. *Food Chem.* 2011;127:21–7.
9. International Diabetes Federation. Eighth edition 2017 [Internet]. IDF

Diabetes Atlas, 8th edition. 2017. 1–150 p. Available from: <https://www.idf.org/aboutdiabetes/type-2-diabetes.html>

10. Asti TI. Kepatuhan Pasien Faktor Penting dalam Keberhasilan Terapi. *InfoPOM-Badan POM RI*. 2006;7(5):1–12.
11. Palanisamy, U.D., Cheng HM, Masilamani, T., Subramaniam T, Ling, L.T., Radhakrishnan AK. Rambutan Rind in The Management of Hyperglycemia. *Food Res Int*. 2008;(44):2278–82.
12. Phang SCW, Palanisamy UD, Kadir KA. Effects of geraniin (rambutan rind extract) on blood pressure and metabolic parameters in rats fed high-fat diet. *J Integr Med*. 2019;17(2):100–6.
13. Elendran S, Wang LW, Pranker R, Palanisamy UD. The physicochemical properties of geraniin, a potential antihyperglycemic agent. *Pharm Biol*. 2015;53(12):1719–26.
14. Freag MS et al. Lyophilized Phytosomal Nanocarriers as Platforms for Enhanced Diosmin Delivery: Optimization and Ex Vivo Permeation. *Int J Nanomedicine*. 2013;8:2385–97.
15. Rasaie S et al. Nano Phytosomes of Quercetin: A Promising Formulation Fortification of Food Products with Antioxidants. *Pharm Sci*. 2014;
16. Wulandari E. Efek Kulit Buah Rambutan terhadap Kadar MDA dan SOD Tikus yang Diasapi Asap Rokok. 2016.
17. Irianto. Fenofisiologi Perkecambahan dan Pertumbuhan bibit rambutan (*Nephelium Lappaceum*). 2012. 247 p.
18. Setiawan D. Tanaman Obat di Lingkungan Sekitar. Niaga Swadaya. 2005;

19. Rukmana R. Rambutun Komoditas Unggulan & Prospek Agribisnis. Penerbit Kanisius, Yogyakarta. 2002.
20. Dalimartha S. Resep Tumbuhan Obat untuk Asam Urat. 2008.
21. Kusumaningrum Y. Aktivitas antibakteri ekstrak kulit rambutun (*Nephelium lappaceum* L.) terhadap *Staphylococcus aureus* dan *Escherichia coli*. 2012.
22. Aini PN, Muhammad D, Eko PG, Rachmat M, Fahmi E. Formulation, Characterization, and Antioxidant Myricetin Nanophytosome for Topical Delivery. *Asian J Pharm Res Dev*. 2020;8(3):9–13.
23. Thitilertdecha N, Teerawutgulrag A, Kilburn JD, Rakariyatham N. Identification of major phenolic compounds from *Nephelium lappaceum* L. and their antioxidant activities. *Molecules*. 2010;15(3):1453–65.
24. Gohar AA, Lahloub MF, Niwa M. Antibacterial Polyphenol from *Erodium glaucophyllum*. *Zeitschrift fur Naturforsch - Sect C J Biosci*. 2003;58(9–10):670–4.
25. Kurihara H, Hatano M, Kawabata J. Geraniin, a hydrolyzable tannin from *nymphaea tetragona georgi* (*nymphaeaceae*). *Biosci Biotechnol Biochem*. 1993;57(9):1570–1.
26. Ajazuddin SS. Applications of novel drug delivery system for herbal formulations. *Fitoterapia*. 2010;81(7):680–9.
27. Yu H, Teng L, Meng Q, Li Y, Sun X, Lu J et al. Development of liposomal Ginsenoside Rg3: formulation optimization and evaluation of its anticancer effects. *Int J Pharm*. 2013;450(1):250–8.
28. Univers y. IJ, Sci. PL. Ethosomes for transdermal and topical drug delivery. *Int J Pharm Pharm Sci*. 2013;2(3):18–30.
29. Hiranman P. Nandura, Dr Prashant Puranik, Prabhanjan Giram VL.

- Ethosome: A Novel Drug Carrier International Journal of Pharmaceutical Sciences and Allied Research (Impact factor 3.181). Pharm Sci. 2013;2(3):18–30.
30. Rai U, Chandra D KS. Ethosomal gel: a novel tool for topical drug delivery. Int J Univers Pharm Life Sci. 2014;3:349–65.
 31. Tripathy S, DK Patel, L Barob SN. A review on phytosomes, their characterization, advancement & potential for transdermal application. J Drug Deliv Ther. 2013;3(3):147–52.
 32. Khan J, Alexander A, Ajazuddin SS. Recent advances and future prospects of phyto-phospholipid complexation technique for improving pharmacokinetic profile of plant actives. J Control Release. 2013;168(1):50–60.
 33. Juornal, Ther DD. Nanoparticles – A Review. Trop J Pharm Res. 2006;5:561–73.
 34. Hooresfand Z, Ghanbarzadeh S, Hamishehkar H. Preparation and characterization of rutin-loaded nanophytosomes. Pharm Sci [Internet]. 2015;21(3):145–51.
 35. Saha R, Saha N, Donofrio RS, Bestervelt LL. Microbial siderophores: a mini review. J Basic Microbiol. 2012;53(4):303–17.
 36. M.S. DJC, Steven H. Zeisel M.D. PD. Lecithin and Choline in Human Health and Disease. Nutr Rev. 1994;52(10):327–39.
 37. Bombardelli E. Technologies for Processing of Medicinal Plants, in the Medicinal Plant industry. CRC Press. 1991;85–9.
 38. Rini Dwiastuti1 SN, Istyastono EP, Marchaban. Metode Pemanasan Dan Sonikasi Menghasilkan Nanoliposom Dari Fosfolipid Lesitin Kedelai (Soy Lecithin).

- Sri Noegrohati³ , Enade Perdana Istyastono³ , Marchaban². 2016;13(1):23–7.
39. Guneidi AS et al. Preparation and evaluation of reverse-phase evaporation and multilamellar niosomes as ophthalmic carriers of acetazolamide. *Int J Pharm.* 2006;306(1):71–82.
40. David Julian McClements. Edible nanoemulsions: Fabrication, properties, and functional performance. *Crit Rev Food Sci Nutr.* 2011;7(6):2297–316.
41. Wardiyanti S. Pemanfaatan Ultrasonik dalam Bidang Kimia. In: *Prosiding Pertemuan Ilmu Pengetahuan.* 2004.
42. Carvedilol EOF, Patches T, Hydrophilic W. Formulation and Evaluation of Carvedilol. 2014;3(10):815–26.
43. Munte L, Runtuwene MR, Citraningtyas G. Aktivitas Antioksidan dari Ekstrak Daun Prasman (*Eupatorium triplinerve* Vahl). *Pharmac.* 2015;4(3).
44. Hidayah N, K.H A, S A, Irawati, M D. Uji Efektivitas Ekstrak *Sargassum muticum* sebagai Alternatif Obat Bisul Akibat Aktivitas *Staphylococcus aureus*. *J Creat Students.* 2016;5(1).
45. Hasrianti N, Nurasi. Pemanfaatan Ekstrak Bawang Merah dan Asam Asetat sebagai Pengawet Alami Bakso. *J Din.* 2016;7(1).
46. Aldina P. Pengaruh Pemberian Ekstrak Etanol Kulit Buah Rambutan (*Nephelium lappaceum* L.) Terhadap Kadar Glukosa Darah dan Histologi Pankreas Mencit yang Diinduksi Aloksan. 2015.
47. Wicaksanti Ei. Pembuatan Liposom Ekstrak Terpurifikasi *Centella Asiatica* Menggunakan Fosfatidilkolin. Padang; 2016.

48. Darmawan DA, Darusman F, Priani SE. Literature Review: Fitosom sebagai Sistem Penghantaran Senyawa Polifenol dari Bahan Alam. In: Prosiding Farmasi. 2020.
49. S S, H M, D R. Cosmetic Serum Containing Grape (*Vitis vinifera* L.) Seed Extract Phytosome: Formulation and in vitro Penetration Study. *J Young Pharm.* 2018;10(2):51–5.
50. Abdassah M. Nanopartikel dengan gelasi ionik. *J Farmaka.* 2017;15(1):45–52.
51. G T. No Title Preparation and characterization of Ketoconazole Encapsulated Liposome and Ethosome: a Comparative Study. National Institute of Technology; 2013.
52. AP F, P S. Karakterisasi Fitosom Ekstrak Pegagan (*Centella Asiatica*). *JF FIK UINAM.* 2018;6(1).
53. Hamami CD. Pembuatan Liposom Ekstrak Terpurifikasi *Centella Asiatica* L. Menggunakan Fosfatidilkolin Dan Kolesterol. Padang; 2016.
54. Ningsih N, Yasni S, Yuliani S. Sintesis Nanopartikel Ekstrak Kulit Manggis Merah Dan Kajian Sifat Fungsional Produk Enkapsulasinya. *J Teknol dan Ind Pangan.* 2017;28(1):27–35.
55. Prihantin M, Wibowo DN, Azizah N, Setya NF. Formulasi dan Uji Stabilitas Antioksidan Krim Nanopartikel. 2020;88–93.
56. Saputra YE, Dzakwan M, Dewi NA. Evaluation Nano-Phytosome of Myricetin with Thin Layer Film Hydration-Sonication Method. *Adv Heal Sci Res.* 2020;26:294–7.
57. Napsah R, Wahyuningsih I. Preparasi Nanopartikel Kitosan-Tpp/ Ekstrak Etanol Daging Buah Mahkota Dewa (*Phaleriamacrocarpa* (Scheff) Boerl) Dengan Metode Gelasi Ionik. *J Farm Sains Dan Komunitas.* 2014;11(1):7–12.

58. Nidhin M, R I, Sreeram K, Nair M. Synthesis of Iron Oxide Nanoparticles of Narrow Size Distribution on Polysaccharide Templates. *Bull Mater Sci.* 2008;31(1):93–6.
59. Vellayanti S. Formulasi Dan Karakterisasi Sediaan Serum Nanopartikel Emas Daun Tin (*Ficus carica L.*). 2020.
60. Rahmawanty D, Anwar E, Bahtiar A. Pemanfaatan Kitosan Tersambung Silang dengan Trifosfat sebagai Eksipiem Gel Ikan Harun. *J Ilmu Kefarmasian Indones.* 2015;13(1):76–81.
61. B A, MP T, M. Z. Particle Size Characterization of Nanoparticles–A Practical approach. *Iran J Mater Sci Eng.* 2011;8(2):48–56.
62. Murdock RC, Braydich-Stolle L, Schrand AM, Schlager JJ, Hussain SM. Characterization of Nanoparticle Dispersion in Solution Prior to In Vitro Exposure using Dynamic Light Scattering Technique. *Toxicol Sci.* 2008;101(2):239–53.
63. Tanjung YP. Formulasi, evaluasi, serta uji sitotoksik terhadap sel kanker MCF-7 dari sistem nanopartikel polimerik polyvinyl pyrrolidone dengan zat aktif kurkumin. Vol. 3, *Indonesian Journal of Applied Sciences.* 2013. p 94–100.
64. Doymus K. The Effect of Ionic Electrolytes and pH on the Zeta Potential of Fine Coal Particles. *Turk J Chem.* 2007;31:589–97.
65. Respati SMB. *Macam-Macam Mikroskop Dan Cara Penggunaan.* Momentum. 2008;4(2):353–82.
66. Apriandanu DOB, Wahyuni S, Hadisaputro S. Sintesis Nanopartikel Perak Menggunakan Metode Poliol Dengan Agen Stabilisator Polivinilalkohol (Pva). *J Mipa.* 2013;36(2):157–68.
67. Jafari SM. Lipid-Based Nanostructures for Food Encapsulation Purposes. 1st

ed. IRAN: Academic Press; 2019.

