

DAFTAR PUSTAKA

1. Sayed N, Khurana A, Godugu C. Pharmaceutical perspective on the translational hurdles of phytoconstituents and strategies to overcome. Vol. 53, *Journal of Drug Delivery Science and Technology*. 2019.
2. Newman DJ, Cragg GM. Natural Products as Sources of New Drugs over the Nearly Four Decades from 01/1981 to 09/2019. Vol. 83, *Journal of Natural Products*. 2020.
3. Atanasov AG, Zotchev SB, Dirsch VM, Orhan IE, Banach M, Rollinger JM, et al. Natural products in drug discovery: advances and opportunities. Vol. 20, *Nature Reviews Drug Discovery*. 2021.
4. Susanti M, Ibrahim S, Harahap Y, Dachriyanus. Comparison between High Performance Thin Layer Chromatography and High Performance Liquid Chromatography methods for determination of rubraxanthone in the stem bark extract of *Garcinia cowa* Roxb. *Pharmacogn J*. 2018;10(6).
5. Wahyuni FS, Byrne LT, Dachriyanus, Dianita R, Jubahar J, Lajis NH, et al. A new ring-reduced tetraprenyltoluquinone and a prenylated xanthone from *Garcinia cowa*. *Aust J Chem*. 2004;57(3).
6. Wahyuni FS, Hui LS, Stanslas J, Lajis NH, Dachriyanus. Tetraprenyltoluquinone, an anticancer compound from *Garcinia cowa* Roxb induce cell cycle arrest on H460 non small lung cancer cell line. *Int J Pharm Sci Rev Res*. 2015;32(2).
7. Wahyuni FS, Hui LS, Stanslas J, Lajis NHJ, Dachriyanus. In vivo study of tetraprenyltoluquinone, an anticancer compounds from *garcinia cowa roxb*. *J Young Pharm*. 2017;9(2).
8. Komite Penanggulangan Kanker Nasional. Panduan Penatalaksanaan Kanker Paru. Kementerian Kesehatan Republik Indones. 2015;
9. Wahyuni FS, Siregar F, Dharma S. Uji Efek Sitotoksik Ekstrak Etanol Akar Asam Kandis (*Garcinia cowa* Roxb.) pada Mencit Putih Betina dengan Metode Micronucleus Assay. *J Sains dan Teknol Farm*. 2012;17(2):98–103.
10. Yolandari S, Wahyudin E, Rifai Y. Penentuan Kurva Baku Uji Farmakokinetik Tetra Hidroxy Ethyl Disulphat (THES) pada Kelinci (*Orytolagus cuniculus*), Marmut (*Cavia porcellus*) , dan Tikus (*Rattus novergicus*). *Maj Farm dan Farmakol*. 2018;22(2).
11. Shargel L, Pong SW, Yu A. *Biofarmasetika & Farmakokinetika Terapan*. Surabaya: Pusat Penerbitan dan Percetakan Universitas Airlangga; 2012.
12. Shargel L, Yu A. *Applied Biopharmaceutics & Pharmacokinetics*. Seventh ed. New York: McGraw-Hill Education; 2016.
13. Wahyuni FS, Ali DAI, Lajis NH, Dachriyanus. Anti-inflammatory activity of isolated compounds from the Stem Bark of *Garcinia cowa* Roxb.

- Pharmacogn J. 2017;9(1).
14. Yanitri H. Aktivitas Imunomodulator Tetrapreniltoluquinon (TPTQ) terhadap Sel RAW 246.7. Universitas Andalas; 2021.
 15. Hakim L. Farmakokinetik. Edisi kedua. Yogyakarta: Bursa Ilmu; 2017.
 16. Sabilla AS. Optimasi dan Validasi Metode Analisis Tetrapreniltoluquinone (TPTQ) dalam Plasma Menggunakan Kromatografi Cair Kinerja Tinggi. Universitas Andalas; 2022.
 17. Amico V, Cunsolo F, Piattelli M, Ruberto G. Tetraprenyltoluquinols from the brown alga *Cystoseira jabukae*. *Phytochemistry*. 1985;24(5).
 18. Hefni D, Dachriyanus, Wahyuni FS, Yerizel E, Arisanty D, Yusra LN. Cowanin, a Cytotoxic Xanthone from Asam Kandis (*Garcinia cowa*, Roxb.) Reduced Cell Migration and Induced Cell Cycle Arrest on T47D Human Cancer Cell. *Int J Adv Sci Eng Inf Technol*. 2020;10(5).
 19. Wahyuni FS, Stanslas J, Lajis NH, Dachriyanus. Cytotoxicity studies of tetraprenyltoluquinone, a prenilated hydroquinone from *Garcinia cowa* Roxb on H-460, MCF-7 and DU-145. *Int J Pharm Pharm Sci*. 2015;7(3).
 20. Fadli. Uji Sitotoksik Tetrapreniltoluquinon (TPTQ) terhadap Sel Kanker Payudara T47D dengan Metode Microtetrazolium (Assay). Universitas Andalas; 2015.
 21. Hefni D, Wahyuni FS, Dharma S, Dachriyanus, Fadhilah R. In Vitro Effect of Tetraprenyltoluquinone on Normal Human Leukocyte Cell. In: 2nd International Conference on Contemporary Science and Clinical Pharmacy. *Advances in Health Sciences Research*; 2021.
 22. Nasution A. Farmakokinetika Klinik. Medan: USU Press; 2015.
 23. Ratnadi PC, Sujana IBG. Prinsip Dasar Farmakologi. Denpasar: FK Universitas Udayana; 2017.
 24. Aslam M, Tan CK, Prayitno A. Farmasi Klinis (Clinical Pharmacy): Menuju Pengobatan Rasional dan Penghargaan Pilihan Pasien. Jakarta: PT Elex Media Komputindo; 2003.
 25. Hakim L. Farmakokinetik Klinik. Yogyakarta: PT Bursa Ilmu; 2012.
 26. Waldon D. Pharmacokinetics and Drug Metabolism. Cambridge: Amgen Inc; 2008.
 27. Hakim L. Farmakokinetik - Konsep Dasar Untuk Pengembangan Obat , Kalkulasi Regimen Dosis, Pengendalian Mutu Obat dan Toksikokinetik. Yogyakarta: PT Bursa Ilmu; 2011.
 28. Wang Z, Kim S, Quinney SK, Zhou J, Li L. Non-compartment model to compartment model pharmacokinetics transformation meta-analysis - a multivariate nonlinear mixed model. *BMC Syst Biol*. 2010;4(SUPPL. 1).
 29. Moein MM, El Beqqali A, Abdel-Rehim M. Bioanalytical method

- development and validation: Critical concepts and strategies. *J Chromatogr B Anal Technol Biomed Life Sci.* 2017;1043.
30. Li W, Jian W, Fu Y. Sample preparation in LC-MS bioanalysis. *Sample Preparation in LC-MS Bioanalysis.* 2019.
 31. Valério RD, Silva RM, Cunha HP, Lima MCA, Galdino SL, Pitta IR, et al. Development and validation of an LC-UV method for quantification of a new thiazolidinedione (LPSF/AC-23) with antitumor activity in rat plasma. *J Braz Chem Soc.* 2012;23(11).
 32. Chalik R. *Anatomi dan Fisiologi Manusia.* Kementerian Kesehatan Republik Indonesia. Jakarta: Pusdik SDM Kesehatan; 2016.
 33. D'Hiru. *Live Blood Analysis.* Jakarta: Gramedia Pustaka Utama; 2013.
 34. Evans C, Arnold M, Bryan P, Duggan J, James CA, Li W, et al. Implementing Dried Blood Spot Sampling for Clinical Pharmacokinetic Determinations: Considerations from the IQ Consortium Microsampling Working Group. Vol. 17, *AAPS Journal.* 2015.
 35. Rasyid R, Nofriyelli E, Andayani R. Plasma in Vitro Secara Kromatografi Lapis Tipis-Densitometri. *Univ Andalas.* 2018;1.
 36. Ahuja S. 1 Overview of HPLC method development for pharmaceuticals. *Sep Sci Technol.* 2007;8.
 37. Evans G. *A Handbook of Bioanalysis and Drug Metabolism.* Boca Raton: CRC Press; 2004.
 38. Wulandari L. *Kromatografi Lapis Tipis.* Taman Kampus Presindo. 2011.
 39. Santoso S. *Analisa Instrumentasi.* Klaten: Yayasan Humaniora; 2017.
 40. Susanti M, Dachriyanus. *Kromatografi Cair Kinerja Tinggi.* Padang: LPTIK Universitas Andalas; 2017.
 41. Gandjar IG, Rohman A. *Kimia Farmasi Analisis.* Yogyakarta: Pustaka Pelajar; 2007.
 42. Ditjen POM DR. *Farmakope Herbal Indonesia II.* Pocket Handb Nonhum Primate Clin Med. 2017;
 43. Kementerian Kesehatan. *Suplemen II Farmakope Herbal Indonesia Edisi 1.* Kementerian Kesehatan Republik Indonesia. 2011.
 44. Liang X, Hu Y, Li J, Chang AK, Tao X, Li Y, et al. Identification and pharmacokinetics of quinone reductase 2 inhibitors after oral administration of garcinia mangostana L. extract in rat by LC-MS/MS. *J Agric Food Chem.* 2020;68(43).
 45. Richardson PM, Harborne JB. *Phytochemical Methods: A Guide to Modern Techniques of Plant Analysis.* Third Edition. Brittonia. 1999;42(3).
 46. Departemen Kesehatan RI. *Parameter Standar Umum Ekstrak Tanaman*

- Obat. Vol. 1, Departemen Kesehatan RI. 2000.
47. Rohman A. Analisis Farmasi dengan Kromatografi Cair. *Angewandte Chemie International Edition*. 2021. 951–952 hal.
 48. Dachriyanus. Analisis Struktur Senyawa Organik Secara Spektroskopi. 2017.
 49. King AJF. The use of animal models in diabetes research. Vol. 166, *British Journal of Pharmacology*. 2012.
 50. Nugroho R agung. Mengenal Mencit sebagai Hewan Laboratorium. In: Mulawarman university press. 2018.
 51. Rahmi S, Dan ES, Haro G. The giving effects of virgin coconut oil on profile pharmacokinetics diclofenac sodium. *Int J PharmTech Res*. 2016;9(5).
 52. Gröber U, Reichrath J, Holick MF, Kisters K. Vitamin K: An old vitamin in a new perspective. *Dermatoendocrinol*. 2014;6(1).
 53. Sano Y, Tadano K, Kaneko K, Kikuchi K, Yuzuriha T. Metabolic Fate of Menaquinone-4 in Dogs. (I). Absorption, Distribution, Metabolism and Excretion after a Single Oral Administration. *Drug Metab Pharmacokinet*. 1997;12(1).
 54. Ito S. Pharmacokinetics 101. Vol. 16, *Paediatrics and Child Health*. 2011.
 55. Hadi A, Faridah DN, Erawan D, Sutriah K, Budiantari F. Implementasi SNI ISO/IEC 17025 : 2017. Badan Standarisasi Nasional. 2018.
 56. BPOM RI. Petunjuk Operasional Penerapan Pedoman Cara Pembuatan Obat Yang Baik 2012 Jilid II. Bpom. 2014.
 57. European Medicines Agency. ICH Guideline M10 on Bioanalytical Method Validation. *Sci Med Heal*. 2019;(March).
 58. Meylina L. Pengaruh Ukuran Globulin Nanoemulsi Kurkumin terhadap Profil Farmakokinetika Kurkumin setelah Pemberian Intravena dan Oral pada Tikus Wistar Jantan. Institut Teknologi Bandung; 2019.
 59. Morris SM. Handbook of Clinical Drug Data, 10th Edition. *Ann Pharmacother*. 2002;36.
 60. Djaelani MA. Profil Kolesterol Darah Tikus Setelah Pemberian Virgin Coconut Oil Dan Minyak Zaitun. *Bioma Berk Ilm Biol*. 2015;17(2).
 61. Adiga U, S. Y. Hemolytic Index : A Tool to Measure Hemolytic in Vitro. *IOSR J Biotechnol Biochem*. 2016;2(2).
 62. Hughes NC, Bajaj N, Fan J, Wong EY. Assessing the matrix effects of hemolyzed samples in bioanalysis. *Bioanalysis*. 2009;1(6).
 63. Mirakel AD. Pengaruh Pemberian Air Berkarbonasi terhadap Profil Farmakokinetika Paracetamol pada Tikus Putih Jantan. Universitas Sanata Dharma; 2007.

64. Susanti M, Darmianti R, Harahap Y, Itam A, Hamidi D. Single Dose Oral Pharmacokinetic Profile Rubraxanthone in Mice. *Heliyon*. 2022;8(3).
65. Nila A, Halim M. *Dasar-dasar farmakologi 2*. Kementrian Pendidik dan Kebud. 2013;
66. Rich GT, Buchweitz M, Winterbone MS, Kroon PA, Wilde PJ. Towards an understanding of the low bioavailability of quercetin: A study of its interaction with intestinal lipids. *Nutrients*. 2017;9(2).
67. Susanti M. Farmakokinetika dan Bioavailibility Senyawa Golongan Santon Reviw Komprehensif. *J Penelit Farm Indones*. 2019;8(2).
68. Sano Y, Tadano K, Kikuchi K, Kaneko K, Yuzuriha T. Pharmacokinetic Characterization of Menquinone-4 in Dogs by Sensitive HPLC Determination. *J Nutr Sci Vitaminol (Tokyo)*. 1993;39(6).
69. Tadano K, Yuzuriha T, Sato T, Fujita T, Shimada K, Hashimoto K, et al. Identification of menquinone-4 metabolites in the rat. *J Pharmacobiodyn*. 1989;12(10).
70. Katzung BG. *Basic & Clinical Pharmacology, Fourteenth Edition*. Basic and Clinical Pharmacology. 2018.

