

DAFTAR PUSTAKA

1. Tumundo DG, Wiyono WI, Jayanti M. Tingkat Kepatuhan Penggunaan Obat Antihipertensi pada Pasien Hipertensi di Puskesmas Kema Kabupaten Minahasa Utara. *Pharmacon*. 2021;10(4):1121–8.
2. The F, Permana D, Dika S. Peningkatan Kesehatan Pesisir pada Pra Lansia dan Lansia melalui Penyuluhan Hipertensi dan Pemeriksaan di PSRS Himo-Himo Ternate. *J Kreat Pengabd Kpd Masy*. 2023;6(9):3564–75.
3. Laurensia L, Destra E, Saint HO, Syihab MAQ, Ernawati E. Program Intervensi Pencegahan Peningkatan Kasus Hipertensi di Wilayah Kerja Puskesmas Sindang Jaya. *E-Amal J Pengabd Kpd Masy*. 2022;2(2):1227–32.
4. Kapur G. Clinical Utility of Valsartan in The Treatment of Hypertension in Children and Adolescents. *Patient Prefer Adherence*. 2011 Mar;149.
5. Dipiro JT, Yee GC, Stuart P, Nolin TD, Ellingrod V. *Pharmacotherapy A Phthophysiologic Approach 11th edition*. Mc Graw Hill. 2018. 1–7618 p.
6. Sun N, Feng Y, Gao P, Chen X, Qi L, Zhang S, et al. Efficacy and Tolerability of Once-Daily 160 mg Valsartan in Chinese Patients with Mild to Moderate Hypertension. *Exp Ther Med*. 2017 Mar;13(3):1109–16.
7. Prihatin K, Fatmawati BR, Suprayitna M. Faktor-Faktor yang Mempengaruhi Kepatuhan Berobat Penderita Hipertensi. *J Ilm STIKES Yars Mataram*. 2022;10(2):7–16.
8. Alhaj WM, Mohammed HH, Jaber MH, Abdelgadir HS. Assessment of Traditional Herbal Remedies Use and Medical Treatment among Hypertensive Patients Attending Primary Health Care Centers in Khartoum State 2022-2023. *J Hypertens*. 2023 Jun;41(3):317.
9. Joachimdass RJ, Hai TC, Subramaniam K, Loganathan A. The Practice of Herbs Integration among Patients With Hypertension Attending Primary Care Facilities: A Systematic Review. *Malaysian J Med Heal Sci*.

2023;19(9):269–79.

10. Ariwibowo AI, Hilmi IL, Salman S. Research Article: Efektivitas Pengobatan Herbal pada Pasien Hipertensi. *J Surya Med.* 2023;9(2):34–40.
11. Setiani D, Shoufiah R, Widiastuti HP, Imamah IN, Firdaus R, Andrianur F. The Effect of Dayak Onion Brewed Water in Reducing Blood Pressure and Mean Arterial Pressure (MAP) in Hypertensive Patients. *Healthc Low-Resource Settings.* 2023;11(2):167–72.
12. Suhendro P, Hafidah L, Iszakiyah N, Suranto AR. Pengaruh Pemberian Bawang Putih dan Bawang Bombay Penderita Hipertensi. *J Sains dan Teknol Kesehat.* 2021;1:33–6.
13. Galavi A, Hosseinzadeh H, Razavi BM. The Effects of Onion and Its Active Constituents on Metabolic Syndrome: A review. *Iran J Basic Med Sci.* 2020;24(1):3–16.
14. Singh A, Zhao K. Herb–Drug Interactions of Commonly Used Chinese Medicinal Herbs. 1st ed. Vol. 135, *International Review of Neurobiology.* Elsevier Inc.; 2017. 197–232 p.
15. Macek J, Klíma J, Ptáček P. Rapid Determination of Valsartan in Human Plasma by Protein Precipitation and High-Performance Liquid Chromatography. *J Chromatogr B Anal Technol Biomed Life Sci.* 2006;832(1):169–72.
16. Jones DJL, Lim CK, Ferry DR, Gescher A. Determination of Quercetin in Human Plasma by HPLC with Spectrophotometric or Electrochemical Detection. *Biomed Chromatogr.* 1998;12(4):232–5.
17. Arniyanti M, Syahidah F, Abdila A, Sabil JA, Saputri VY, Hasanah M, et al. Pemanfaatan Buah Mengkudu Sebagai Antidiabetes dan Antihipertensi. *J Curr Pharm Sci.* 2023;6(2):604–11.
18. Safitri AR, Ismawati R. Efektifitas Teh Buah Mengkudu dalam Menurunkan Tekanan Darah Lansia dengan Hipertensi. *Amerta Nutr.* 2018;163–71.
19. Ariyanti R, Preharsini IA, Sipolio BW. Edukasi Kesehatan dalam Upaya Pencegahan dan Pengendalian Penyakit Hipertensi Pada Lansia. *To Maega J Pengabd Masy.* 2020;3(2):74.

20. Anggara FHD, Prayitno N. Faktor-Faktor yang Berhubungan dengan Tekanan Darah di Puskesmas Telaga Murni, Cikarang Barat Tahun 2012. *J Ilm Kesehat.* 2013;5(1):1–6.
21. Putri LM, Mamesah MM, Iswati I, Sulistyana CS. Faktor Risiko Hipertensi Pada Masyarakat Usia Dewasa & Lansia di Tambaksari Surabaya. *J Heal Manag Res.* 2023;2(1):1.
22. Sartik S, Tjekyan RS, Zulkarnain M. Faktor-Faktor Risiko dan Angka Kejadian Hipertensi pada Penduduk Palembang. *J Ilmu Kesehat Masy.* 2017;8(3):180–91.
23. Sundari L, Bangsawan M. Faktor-Faktor yang Berhubungan dengan Kejadian Hipertensi. *J Keperawatan.* 2015;11(2):216–23.
24. Prasetyaningrum YI. *Hipertensi Bukan untuk Ditakuti.* Jakarta Selatan: Fmedia(Imprint AgroMedia Pustaka; 2014. 148 p.
25. Medika TB. *Berdamai dengan Hipertensi.* Jakarta: Bumi Medika; 2022. 127 p.
26. Telaumbanua AC, Rahayu Y. Penyuluhan dan Edukasi Tentang Penyakit Hipertensi. *J Abdimas Sainika.* 2021;3(1):119.
27. Harfiantoko MN, Kurnia E. Derajat Hipertensi (Menurut WHO) Mempengaruhi Kualitas Tidur dan Stress Psikososial. *J Stikes.* 2013;6(2):1–12.
28. Wade C. *Mengatasi Hipertensi.* Bandung: Nuansa Cendekia; 2021. 200 p.
29. Suparti S, Handayani DY. Screening Hipertensi pada Lansia di Wilayah Puskesmas Bayumas. *Indones J Heal Sci.* 2018;2(2):84–93.
30. Andrianto. *Buku Ajar Menangani Hipertensi.* Surabaya: Airlangga University Press; 2022. 150 p.
31. Suling FRW. *Hipertensi.* Jakarta: Fakultas Kedokteran Universitas Kristen Indonesia; 2018. 110 p.
32. Kemenkes RI. *Farmakope Indonesia Edisi VI.* Jakarta: Kementerian Kesehatan Republik Indonesia Badan Pengembangan dan Pemberdayaan Sumber Daya Manusia Kesehatan Politeknik Kesehatan Kemenkes Kupang Jurusan Keperawatan Program; 2020. 1–2371 p.
33. Ristiantanti S, Yohana Chaerunissa A. Review : Pengembangan Valsartan

dalam Meningkatkan Kelarutan dan Bioavailabilitas dalam Tubuh. *Farmaka*. 2018;17(1):134–43.

34. Prieto C, Evtoski Z, Pardo-Figuerez M, Hrakovsky J, Lagaron JM. Nanostructured Valsartan Microparticles with Enhanced Bioavailability Produced by High-Throughput Electrohydrodynamic Room-Temperature Atomization. *Mol Pharm*. 2021 Aug 2;18(8):2947–58.
35. Mohammadreza M, Iraj P, Mahmoudi Z, Rahiman N, Akhgari A. Design and Physico-Mechanical Evaluation of Fast-Dissolving Valsartan Polymeric Drug Delivery System by Electrospinning Method. *Iran J Basic Med Sci*. 2021 Dec;24(12):1683–94.
36. Gadepalli SG, Deme P, Kuncha M, Sistla R. Simultaneous Determination of Amlodipine, Valsartan and Hydrochlorothiazide by LC-ESI-MS/MS and Its Application to Pharmacokinetics in Rats. *J Pharm Anal*. 2014 Dec;4(6):399–406.
37. Jangala H, Vats P, Khuroo AH, Monif T. Development and Validation of A LC-MS/MS Method for The Simultaneous Estimation of Amlodipine and Valsartan in Human Plasma: Application to A Bioequivalence Study. *Sci Pharm*. 2014;82(3):585–600.
38. El-Gizawy SM, Abdelmageed OH, Omar MA, Deryea SM, Abdel-Megied AM. Development and Validation of HPLC Method For Simultaneous Determination of Amlodipine, Valsartan, Hydrochlorothiazide in Dosage Form and Spiked Human Plasma. *Am J Anal Chem*. 2012;03(06):422–30.
39. Vidak M, Rozman D, Komel R. Effects of Flavonoids From Food and Dietary Supplements on Glial and Glioblastoma Multiforme Cells. *Molecules*. 2015 Oct 23;20(10):19406–32.
40. National Center for Biotechnology Information. PubChem Compound Summary For CID 5280343, Quercetin. In: National Center for Biotechnology Information.
41. El-Saber Batiha G, Beshbishy AM, Ikram M, Mulla ZS, Abd El-Hack ME, Taha AE, et al. The Pharmacological Activity, Biochemical Properties, and Pharmacokinetics of The Major Natural Polyphenolic Flavonoid: Quercetin. Vol. 9, MDPI. 2020.

42. Ang LF, Yam MF, Fung YTT, Kiang PK, Darwin Y. HPLC Method For Simultaneous Quantitative Detection of Quercetin and Curcuminoids in Traditional Chinese Medicines. *J Pharmacopuncture*. 2014 Dec;17(4):36–49.
43. Carvalho D, Jesus Â, Pinho C, Oliveira RF, Moreira F, Oliveira AI. Validation of An HPLC-DAD Method For Quercetin Quantification in Nanoparticles. *Pharmaceuticals*. 2023 Dec 17;16(12):1736.
44. Liu B, Anderson D, Ferry DR, Seymour LW, de Takats PG, Kerr DJ. Determination of Quercetin in Human Plasma Using Reversed-Phase High-Performance Liquid Chromatography. *J Chromatogr B Biomed Sci Appl*. 1995 Apr;666(1):149–55.
45. Pandey et al. Bioanalysis in Drug Discovery and Development. *Innov Pharm Technol*. 2010;1(1):18–23.
46. Wal P, Bhandari A, Wal A, Rai AK. Bioanalytical Method Development-Determination of Drugs in Biological Fluids. *J Pharm Sci Technol*. 2010;2(10):333–47.
47. Dekayana A. Hitung Laju Endap Darah (LED). Ponorogo: Uwais Inspirasi Indonesia; 2019. 51 p.
48. Khila Kirani N. Mengenali Sel-Sel Darah dan Kelainan Darah. Malang: UB Press; 2018. 129 p.
49. Souverain S, Rudaz S, Veuthey JL. Protein Precipitation For The Analysis of A Drug Cocktail in Plasma by LC-ESI-MS. *J Pharm Biomed Anal*. 2004;35(4):913–20.
50. Djuetea MT, Sabarudin A, Sulistyarti H. Optimasi Metode Analisis Pestisida Diazinon dan Klorantraniliprol Menggunakan Kromatografi Cair Kinerja Tinggi (KCKT). 2017;4(2):89–93.
51. Bhardwaj SK, Dwivedi K, Agarwal DD. HPLC Method Development and Validation. *Int J Anal Bioanal Chem*. 2016;4(4):39–46.
52. Kusuma ASW, Ismanto RMH. Penggunaan Instrumen High-Performance Liquid Chromatography Sebagai Metode Penentuan Kadar Kapsaisin pada Bumbu Masak Kemasan “Bumbu Marinade Ayam Special” Merek Sasa. *J Farmaka*. 2016;14(2):41–6.

53. Taleuzzaman M, Chattopadhyay MMAM. Particle Size Role, Importance and Strategy of HPLC Analysis. *Int Arch Biomed Clin Res*. 2016;2(2).
54. Harmita K, Harahap Y, Supandi. *Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS)*. Jakarta Barat: PT. ISFI Penerbitan; 2019. 1–114 p.
55. Susanti M, Dachriyanus. *Kromatografi Cair Kinerja Tinggi*. Padang: Lembaga Pengembangan Teknologi Informasi dan Komunikasi(LPTIK) Universitas Andalas; 2014.
56. Rosydiati. Karakterisasi Puncak Kromatogram dalam High Performance Liquid Chromatography (HPLC) Terhadap Perbedaan Fase Gerak, Laju Alir, dan Penambahan Asam dalam Analisis Indole Acetic Acid (IAA). *Kandaga*. 2019;1(2):65–73.
57. Xu QA, Madden TL. *LC-MS in Drug Bioanalysis*. NBER Working Papers. New York: Springer Science; 2013. 467 p.
58. Sukmawati. Optimasi dan Validasi Metode Analisis dalam Penentuan Kandungan Total Flavonoid pada Ekstrak Daun Gedi Hijau yang Diukur Menggunakan Spektrofotometer UV-Vis. *J Ilm Farm*. 2018;7(3):32–41.
59. Harmono HD. Validasi Metode Analisis Logam Merkuri (Hg) Terlarut pada Air Permukaan dengan Automatic Mercury Analyzer. *Indones J Lab*. 2020;2(3):11.
60. Notario D, Amelia J, Della G. Pengembangan dan Validasi Metode Bioanalisis Trimetoprim dalam Sampel Plasma dan Urin Manusia Simulasi Menggunakan KCKT-PDA. *J Kefarmasian Indones*. 2023;13(1):41–9.
61. Harmita. Petunjuk Pelaksanaan Validasi dan Cara Penggunaannya. *Maj Ilmu Kefarmasian*. 2004;1(3):117–35.
62. Jogpethe A, Jadav T, Rajput N, Kumar Sahu A, Tekade RK, Sengupta P. Critical Strategies to Pinpoint Carryover Problems in Liquid Chromatography-Mass Spectrometry: A Systematic Direction for Their Origin Identification and Mitigation. *Microchem J*. 2022 Aug;179:107464.
63. Zainal TH, Wahyudin E, Rifai Y. Penetapan Kurva Standar Senyawa Tetra Hidroxy Ethyl Disulphate (Thes) dalam Plasma Marmut Menggunakan KCKT. *Maj Farm dan Farmakol*. 2019;22(3):90–2.

64. Mulidini, Nanda AYD, Hanum NK, Nurfadhila L, Utami MR. Analisis dan Validasi Obat Metformin dalam Plasma Manusia Menggunakan Metode HPLC. *J Pharm Sci.* 2023;6(2):741–9.
65. Hasanah M, Untari B, Afrilianti C. Analisis Kandungan Senyawa Kloramfenikol pada Sediaan Tetes Mata Sampel Nama Dagang di Kota Palembang dengan Metode Kromatografi Cair Kinerja Tinggi. *J Ilm Bakti Farm.* 2017;II(2):47–54.
66. Solikha DF. Analisis Kandungan Xilena pada Pertamax dan Pertamax Plus dengan Teknik Kromatografi Gas Menggunakan Standar Internal. *J Ilm Indones.* 2017;2(8):1–15.
67. Hansen. *Bioanalysis of Pharmaceuticals: Sampel Preparation, Chromatography and Mass Spectrometry.* Hansen SH, PedersenBjergaard S, editors. Wiley; 2015. 318 p.
68. Raharjo TJ, Suprihatin R, Pranowo D. The Influence of Organic Solvent Protein Precipitation on SDS Page Protein Profile in Serum. *Indones J Chem.* 2010;7(3):337–41.
69. Tokey AS, Suryaniwanshi MR, Tambe PP. Development and Validation of UV Spectroscopic Method for Estimation of Abacavir in Tablet Dosage Form. *Int J Curr Pharm Res.* 2022;9(November):36–9.
70. Polson C, Sarkar P, Incledon B, Raguvaran V, Grant R. Optimization of Protein Precipitation Based Upon Effectiveness of Protein Removal and Ionization Effect in Liquid Chromatography-Tandem Mass Spectrometry. *J Chromatogr B-Analyt Technol Biomed Life Sci.* 2003 Mar 5;785(2):263–75.
71. Sulistya Hermawati E, Suhartana, Taslimah. Sintesis dan Karakterisasi Senyawa Kompleks Zn(II)-8-Hidroksikuinolin. *J Kim Sains dan Apl.* 2016;19(3):94–8.
72. Arifa AN, Suharti PH. Pengaruh Jumlah Pelarut Terhadap *Yield* Dalam Pembuatan *Hand Sanitizer* Kelor. *J Teknol Separasi.* 2023;7(2):341–6.
73. Harahap Y, Manggadani BP, Sitorus TRJ, Mulyadi CA, Purwanto DJ. Clinical Application of Dried Blood Spot for Monitoring Studies of Tamoxifen, Endoxifen, and 4-hydroxytamoxifen in Breast Cancer Patient

Using Liquid Chromatography–Tandem Mass Spectrometry. *Int J Appl Pharm.* 2019;11(2):59–63.

