

## DAFTAR PUSTAKA

1. Rahayu WS, Utami PI, Fajar SI. Penetapan Kadar Tablet Ranitidin Menggunakan Metode Spektrofotometri UV-Vis dengan Pelarut Metanol. *Pharmacy*. 2009;06(03):104–25.
2. Harmita. Petunjuk Pelaksanaan Validasi Metode dan Cara Perhitungannya. *Maj Ilmu Kefarmasian*. 2004;1(3):117–35.
3. Raju VB, Rao AL. Validated RP-HPLC Method for the Estimation of Irbesartan in Bulk and Tablet Dosage Form. *Int J Res Pharm Chem*. 2011;1(1):25–9.
4. Croom KF, Curran MP, Goa KL, Perry CM. Irbesartan: A Review of Its Use in Hypertension and Diabetic Nephropathy. *Drugs*. 2004;64(9):999–1028.
5. Dewi NMAR. Aplikasi Analisis Kimia Kuantitatif untuk Pemantauan Kadar Obat (Theurapeutic Drugs Monitoring). *Amina*. 2019;1(1):6–10.
6. Evans et al. Implementing Dried Blood Spot Sampling for Clinical Pharmacokinetic Determinations: Considerations from the IQ Consortium Microsampling Working Group, pp. 292-300. *AAPS J*. 2015;17(2):292–300.
7. Shah DA, Patel D V., Mehta FA, Chhalotiya UK, Bhatt KK. High-Performance Thin-Layer Chromatography Method for Estimating the Stability of a Combination of Irbesartan and Amlodipine Besylate. *J Taibah Univ Sci [Internet]*. 2015;9:177–86. Available from: <http://dx.doi.org/10.1016/j.jtusci.2014.07.007>
8. Maelaningsih FS, Sabarudin A, Hasanah AN. Artikel Tinjauan: Aplikasi Kolom Monolitik dalam Analisis Farmasi. *Farmaka*. 2018;16(2):1–15.
9. Hussain SZ, Maqbool K, Naseer B. High Performance Thin Layer Chromatography: Principle, Working and Applications. *Int J Res Pharm Pharm Sci*. 2019;4(3):83–8.
10. Borghi C, Ertek S, Cicero AFG. Irbesartan: a Review of Its Use Alone and in Combination with Hydrochlorothiazide. *Therapy*. 2006;3(6):733–49.
11. BNF. *British National Formulary*. 61st ed. London: BMJ Group; 2011. 121 p.
12. Ikatan Apoteker Indonesia. *ISO (Informasi Spesialite Obat Indonesia)*. Vol 51. Jakarta: PT. ISFI Penerbitan; 2017. 303–305 p.

13. Prabhu P, Muralidhar M. Development & Validation of a High Performance Liquid Chromatography Method for Simultaneous Determination of Irbesartan and Its Related Impurities in Pharmaceutical Tablets. *Int J Pharm Sci Drug Res* [Internet]. 2014;6(2):145–53. Available from: [www.ijpsdr.com](http://www.ijpsdr.com)
14. Kemenkes RI. *Farmakope Indonesia*. VI. Jakarta: Direktorat Jendral Bina Kefarmasian dan Alat Kesehatan Republik Indonesia; 2020. 758–760 p.
15. Virani P, Rajanit S, Hasumati R, Jain V. Irbesartan: a Review on Analytical Method and its Determination in Pharmaceuticals and Biological Matrix. *Inven Rapid Pharm Anal Qual Assur* [Internet]. 2014;(4):1–8. Available from: [https://s3.amazonaws.com/academia.edu.documents/36811290/FINAL\\_PRINT.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1525191302&Signature=dvrJ%2BL40meh9M4WqCbH9zP2dff8%3D&response-content-disposition=inline%3Bfilename%3Danalytical\\_method\\_for\\_irbesartan](https://s3.amazonaws.com/academia.edu.documents/36811290/FINAL_PRINT.pdf?AWSAccessKeyId=AKIAIWOWYYGZ2Y53UL3A&Expires=1525191302&Signature=dvrJ%2BL40meh9M4WqCbH9zP2dff8%3D&response-content-disposition=inline%3Bfilename%3Danalytical_method_for_irbesartan)
16. Husain A, Azim MS, Mitra M, Bhasin PS. a Review of Pharmacological and Pharmaceutical. *Pharmacophore*. 2011;2(6):240–50.
17. Borghi C, Urso R, Cicero AFG. The Cost of Effectiveness of Irbesartan for Hypertension. *Expert Rev Pharmacoecon Outcomes Res*. 2015;15(2):199–207.
18. Schupp M, Janke J, Clasen R, Unger T, Kintscher U. Angiotensin Type 1 Receptor Blockers Induce Peroxisome Proliferator-Activated Receptor- $\gamma$  Activity. *Circulation*. 2004;109(17):2054–7.
19. AHFS. *Drug Information Essentials*. USA: American Society of Health-System Pharmacists; 2011.
20. Tissue BM. Ultraviolet and Visible Absorption Spectroscopy. *Charact Mater*. 2002;2:688–98.
21. Gandjar IG, Rohman A. *Spektroskopi Molekuler untuk Analisis Farmasi*. Yogyakarta: Gadjah Mada University Press; 2018. 11–12 p.
22. Dachriyanus. *Analisis Struktur Senyawa Organik Secara Spektrofotometri*. Padang: LPTIK Universitas Andalas; 2004. 8–9 p.
23. Suhartati T. *Dasar-Dasar Spektrofotometri UV-Vis dan Spektrometri Massa untuk Penentuan Struktur Senyawa Organik*. Lampung: Aura; 2017.
24. Shah RR, Pawar RB, Gayakar PP. UV-Visible Spectroscopy - A Review. *Int J Institutional Pharm Life Sci*. 2015;5(5):490–505.
25. Gandjar IG, Rohman A. *Kimia Farmasi Analisis*. Yogyakarta: Pustaka Pelajar; 2007.

26. Sembiring T, Dayana I, Rianna M. *Alat Penguji Material*. Jakarta: Guepedia; 2019. 54 p.
27. Dube R, Pawar SR, Mody HR, Joshi A, Krishnan V. Spectrophotometric Analysis of Multi-component Formulations: An Overview. *Pharma Rev*. 2010;136–41.
28. Petrova OE, Sauer K. High-Performance Liquid Chromatography (HPLC)-Based Detection and Quantitation of Cellular c-di-GMP. *Methods Protoc Methods Mol Biol*. 2017;1657:33–43.
29. Hendayana S. *Kimia Pemisahan Metode Kromatografi dan elektroforesis Modern*. Bandung: Remaja Rosdakarya Offset; 2006.
30. Vidushi Y, Meenakshi B. a Review on HPLC Method Development and Validation. *Res J Life Sci Bioinformatics, Pharm Chem Sci*. 2017;2(6):167–8.
31. Rohman A. *Kromatografi untuk Analisis Obat*. Yogyakarta: Graha Ilmu; 2009.
32. Thammana M. A Review on High Performance Liquid Chromatography (HPLC). *J Pharm Anal*. 2016;5(2):22–8.
33. Sudev S, Janardhanan.V S. Review Article Review on HPLC Method Development Validation and Optimization. *Int J Pharm Sci Rev Res*. 2019;56(2):28–43.
34. Asra R, Zulharmita, Amrul M. Evaluasi Penggunaan Kromatografi Lapis Tipis Kinerja Tinggi (KLTKT) Densitometri Silika Gel 60 F 254 Pada Penetapan Kadar Vitamin C yang Terdapat Pada Daging Buah Naga Ungu ( *Hylocereus polyrhizus* ). *J Farm Higea*. 2017;9(1):76–84.
35. Amri IP. Penggunaan Metode Kromatografi Lapis Tipis dan Kromatografi Lapis Tipis Kinerja Tinggi-Densitometri dalam Analisis Pewarna Merah pada Keripik Balado. *Andalas*; 2018.
36. Andola HC. High Performance Thin Layer Chromatography (HPTLC): A Modern Analytical Tool for Biological Analysis. *Nat Sci [Internet]*. 2010;8(10):58–61. Available from: <http://www.mdpi.com/2227-9075/2/1/125/%5Cnhttp://www.crcnetbase.com/doi/book/10.1201/9781420046786>
37. Ramu B, Chittela KB. High Performance Thin Layer Chromatography and Its Role Pharmaceutical Industry: Review. *Open Sci J Biosci Bioeng [Internet]*. 5AD;2018(3):29–34. Available from: <http://www.openscienceonline.com/journal/bio>
38. Rohman A. *Validasi dan Penjaminan Mutu Metode Analisis Kimia*. Yogyakarta: Gadjah Mada University Press; 2016.

39. Pradhan KK, Mishra US, Pattnaik S, Mishra D, Panigrahi G, Sahu KC. Method Development, Validation and Stability Study of Irbesartan in Bulk and Pharmaceutical Dosage Form by UV-Spectrophotometric method. *Int J Pharm Biol Arch*. 2011;2(4):1114–22.
40. B, Todkari V et al. Development and Validation of Simultaneous Spectrophotometric Estimation of Irbesartan and Hydrochlorothiazide in Tablet Dosage Form. *J Pharm Res*. 2012;5(4):2335–7.
41. Nissankararao S et al. Estimation of Irbesartan in Bulk and Dosage Forms by New Simple UV Spectrophotometry Using Hydrotropic Technique. *Pharm Anal Acta*. 2013;04(08):8–10.
42. Banjare L, Chandra JK, Patel P. Method Development and Validation for Estimation of Irbesartan in Bulk Drug and Pharmaceutical Dosage. *J Drug Deliv Ther*. 2013;3(6):87–90.
43. Phani Kumar JS, Mathrusri Annapurna M. New Spectrophotometric Methods for the Simultaneous Determination of Irbesartan and Hydrochlorothiazide in Combined Dosage Forms. *Pharm Methods*. 2015;6(3):120–5.
44. Hafid S, Masfria M. Determination of Simultaneous Irbesartan and Hydrochlorothiazide by Ultraviolet Spectrophotometry with Dual Wavelength Method. *Asian J Pharm Res Dev*. 2019;7(3):1–4.
45. Ashour S, Bayram R. Selective and Validated Kinetic Spectrophotometric Method for the Determination of Irbesartan in Pure and Pharmaceutical Formulations. *Ann Pharm Fr [Internet]*. 2018;77(2):101–11. Available from: <https://doi.org/10.1016/j.pharma.2018.09.002>
46. Mondal S, Pal A, Mondal P, Shit D, Biswal S, Mohan Babu B. Determination of Irbesartan Using Stability Indicating Reverse Phase Liquid Chromatographic and UV Spectrophotometric Method. *Int J Pharm Investig*. 2020;10(1):70–5.
47. Yogeesh CS, Sowmya HG, C JGB. New Analytical Method Development and Validation for Irbesartan in Bulk and Tablet Dosage Form by Using UV-Spectrophotometric Method. *Int J Pharm Pharm Anal*. 2020;04(01):12–6.
48. Zeb-Un-Nisa, Ali SI, Rizvi M, Khan MA, Sultan RA, Fatima R, et al. Development and Validation of Reverse Phase HPLC Method for Determination of Angiotensin Receptor Blocking Agent Irbesartan in Plasma. *Pak J Pharm Sci*. 2019;32(2):853–8.
49. Raju RR, Bujji Babu N. Development and Validation of HPLC Method the Estimation of Irbesartan in Pharmaceutical Dosage Form. *Pharmacophore*

- [Internet]. 2011;2(2):108–12. Available from: <http://www.pharmacophorejournal.com/>
50. Raja B, Himasri P, Ramadevi B. RP-HPLC Method for the Simultaneous Estimation of Irbesartan and Hydrochlorothiazide in Pharmaceutical Dosage Form. *Int Res J Pharm Appl Sci.* 2012;2(3):29–38.
  51. Eswarudu MM, Chary TN, Junapudi S, Sushma M. RP-HPLC Method Development and Validation for Simultaneous Estimation of Irbesartan and Hydrochlorothiazide in Pharmaceutical Dosage Form. *Asian J Res Chem.* 2012;5(4).
  52. Vujić Z, Mulavdić N, Smajić M, Brborić J, Stankovic P. Simultaneous Analysis of Irbesartan and Hydrochlorothiazide: An Improved HPLC Method with the Aid of a Chemometric Protocol. *Molecules.* 2012;17(3):3461–74.
  53. Alanazi AM, Abdelhameed AS, Khalil NY, Khan AA, Darwish IA. HPLC Method with Monolithic Column for Simultaneous Determination of Irbesartan and Hydrochlorothiazide in Tablets. *Acta Pharm.* 2014;64(2):187–98.
  54. Qiu X, Wang Z, Wang B, Zhan H, Pan X, Xu R ai. Simultaneous Determination of Irbesartan and Hydrochlorothiazide in Human Plasma by Ultra High Performance Liquid Chromatography Tandem Mass Spectrometry and Its Application to a Bioequivalence Study. *J Chromatogr B Anal Technol Biomed Life Sci* [Internet]. 2014;957:110–5. Available from: <http://dx.doi.org/10.1016/j.jchromb.2014.03.002>
  55. Wani TA, Zargar S. New Ultra-performance Liquid Chromatography-tandem Mass Spectrometry Method for the Determination of Irbesartan in Human Plasma. *J Food Drug Anal* [Internet]. 2015;23(3):569–76. Available from: <http://dx.doi.org/10.1016/j.jfda.2015.02.008>
  56. Ali TA, Mohamed GG, Aglan AA, Heakal FET. RP-HPLC Stability-indicating Method for Estimation of Irbesartan and Hydrochlorothiazide in Bulk and Pharmaceutical Dosage Form. *Chinese J Anal Chem* [Internet]. 2016;44(1):e1601–8. Available from: [http://dx.doi.org/10.1016/S1872-2040\(16\)60899-X](http://dx.doi.org/10.1016/S1872-2040(16)60899-X)
  57. Srinivasu T, Annapurna MM. Development of a New Validated Stability Indicating RP-HPLC Method for Determination of Irbesartan and Hydrochlorothiazid. *Asian J Pharm.* 2018;12(1).
  58. Rosangluaia, Shanmugasundaram P, Velraj M. Validated HPTLC Method for Simultaneous Estimation of Irbesartan and Hydrochlorothiazide in a Tablet Dosage Form. *Der Pharma Chem.* 2011;3(5):310–7.