

DAFTAR PUSTAKA

- Andreas Hofmann, S. C. (2018). *Wilson and Walker's Principles and Techniques of BIOCHEMISTRY AND MOLECULAR BIOLOGY*.
- Ashutosh Kar. (2005). *Pharmaceutical Drug Analysis*.
- Atef, D., Riad, S. M., Farid, M., & Rahman, M. H. A. (2022). Journal of Chromatography and Separation Techniques Validated Chromatographic Methods for Determination of Pioglitazone and Glimepiride in Pharmaceutical Dosage Form and in Human Plasma. *J Chromatogr Sep Tech*, 13, 1000004. <https://doi.org/10.35248/2157-7064.22.S1.004>
- Basit, A., Riaz, M., & Fawwad, A. (2012). Glimepiride: Evidence-based facts, trends, and observations. *Vascular Health and Risk Management*, 8(1), 463–472. <https://doi.org/10.2147/HIV.S33194>
- Center for Drug Evaluation and Research. (1994). *Center for Drug Evaluation and Research (CDER) Reviewer Guidance Validation of Chromatographic Methods*.
- Chiriac, U., Rau, H., Frey, O. B., Röhr, A. C., Klein, S., Meyer, A. L., & Morath, B. (2022). Validation and Application of an HPLC-UV Method for Routine Therapeutic Drug Monitoring of Dalbavancin. *Antibiotics*, 11(5), 1–9. <https://doi.org/10.3390/antibiotics11050541>
- Clark, K. D., Zhang, C., & Anderson, J. L. (2016). Sample preparation for bioanalytical and pharmaceutical analysis. *Analytical Chemistry*, 88(23), 11262–11270. <https://doi.org/10.1021/acs.analchem.6b02935>
- Correa, R., Rodriguez, B. S. O., & Nappe, T. M. (2023). Glipizide. *XPharm: The Comprehensive Pharmacology Reference*, 1–4. <https://doi.org/10.1016/B978-008055232-3.61829-X>
- Denniff, P., & Spooner, N. (2010). The effect of hematocrit on assay bias when using DBS samples for the quantitative bioanalysis of drugs. *Bioanalysis*, 2(8), 1385–1395. <https://doi.org/10.4155/bio.10.103>
- Antec Scientific. (2024). *Deteksi elektrokimia untuk HPLC*. <https://antecscientific.com/products/techniques/electrochemical-detection/>
- Dong, M. W., & Wysocki, J. (2019). Ultraviolet Detectors: Perspectives, Principles, and Practices. In *LCGC NORTH AMERICA* (Vol. 37).
- European Medicines Agency. (2023). *Committee for Medicinal Products for Human Use ICH guideline M10 on bioanalytical method validation and study sample analysis Step5*. www.ema.europa.eu/contact
- Eva Decroli. (2019). *Buku Diabetes Melitus tipe 2. Fakultas Kedokteran Universitas Andalas*.

- Evans, C., Arnold, M., Bryan, P., Duggan, J., James, C. A., Li, W., Lowes, S., Matassa, L., Olah, T., Timmerman, P., Wang, X., Wickremsinhe, E., Williams, J., Woolf, E., & Zane, P. (2015). Implementing Dried Blood Spot Sampling for Clinical Pharmacokinetic Determinations: Considerations from the IQ Consortium Microsampling Working Group. In *AAPS Journal* (Vol. 17, Issue 2, pp. 292–300). Springer New York LLC. <https://doi.org/10.1208/s12248-014-9695-3>
- Food and Drug Administration. (2009). *AMARYL® (glimepiride tablets)*.
- Food and Drug Administration. (2018). *Bioanalytical Method Validation Guidance for Industry Biopharmaceutics Bioanalytical Method Validation Guidance for Industry Biopharmaceutics Contains Nonbinding Recommendations*. <http://www.fda.gov/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/default.htm> and/or <http://www.fda.gov/AnimalVeterinary/GuidanceComplianceEnforcement/GuidanceforIndustry/default.htm>
- Freeman, J. D., Rosman, L. M., Ratcliff, J. D., Strickland, P. T., Graham, D. R., & Silbergeld, E. K. (2018). State of the science in dried blood spots. In *Clinical Chemistry* (Vol. 64, Issue 4, pp. 656–679). American Association for Clinical Chemistry Inc. <https://doi.org/10.1373/clinchem.2017.275966>
- Hamaguchi, T., Hirose, T., Asakawa, H., Itoh, Y., Kamado, K., Tokunaga, K., Tomita, K., Masuda, H., Watanabe, N., & Namba, M. (2004). Efficacy of glimepiride in type 2 diabetic patients treated with glibenclamide. *Diabetes Research and Clinical Practice*, 66(SUPPL.). <https://doi.org/10.1016/j.diabres.2003.12.012>
- Hansen, S., & Pedersen-Bjergaard, S. (2023). *Bioanalysis of pharmaceuticals : sample preparation, separation techniques, and mass spectrometry*. 318. <https://www.wiley.com/en-fr/Bioanalysis+of+Pharmaceuticals%3A+Sample+Preparation%2C+Separation+Techniques+and+Mass+Spectrometry-p-9781118716823>
- Harmita, K., Harahap, Y., & S. (2019). *Liquid Chromatography-Tandem Mass Spectrophotometry*. 4(1), 88–100.
- Scion Instrument. (2024). *HPLC Fluorescence Detector | HPLC FLD*. <https://scioninstruments.com/blog/hplc-fluorescence-detector/>
- Ibnu Gholib Gandjar, A. R. (2009). *Analisis Obat Secara Spektrofotometri dan Kromatografi Pustaka Pelajar*. Pustaka Pelajar. <https://pustakapelajar.co.id/buku/analisis-obat-secara-spektrofotometri-dan-kromatografi/>
- Ikhsan, M., Harahap, Y., & Saputri, F. C. (2022). Development And Validation Of Hplc-Uv Method For Simultaneous Analysis Of Acrylamide And Glycidamide In Volumetric Absorptive Microsampling. *International Journal of Applied*

Pharmaceutics, 14(5), 170–174.
<https://doi.org/10.22159/ijap.2022v14i5.45440>

Institute for Health Metrics and Evaluation. (2019). *The Institute for Health Metrics and Evaluation*.
https://www.healthdata.org/search?search_api_fulltext=diabetic%20militus%20in%20indonesia&f%5B0%5D=locations_aggregate%3A174

International Diabetes Federation. (2021). *IDF Diabetes Atlas 10th edition*.
www.diabetesatlas.org

Jean-Marie, E. (2018). Diagnosis and classification of diabetes mellitus. In *Encyclopedia of Endocrine Diseases* (pp. 105–109). Elsevier.
<https://doi.org/10.1016/B978-0-12-801238-3.65822-1>

Kementerian Kesehatan. (2014). *Farmakope Indonesia Edisi V*.

Kementerian Kesehatan. (2018). *Keputusan Menteri Kesehatan tentang Pedoman Nasional Pelayanan Kedokteran Tata Laksana Diabetes Melitus Tipe 2 Dewasa*.

Kementerian Kesehatan. (2020). *Transformasi Sistem Ketahanan Kesehatan*.
<https://www.kemkes.go.id/id/layanan/transformasi-sistem-ketahanan-kesehatan>

Kementerian Kesehatan RI. (2020). *Farmakope Indonesia Edisi Vi 2020*. Kementerian Kesehatan Republik Indonesia.

Kementerian Pertahanan RI. (2014). *Peraturan Menteri Pertahanan-Nomor-20-Tahun-2014-tentang-Sistem-Kesehatan-Pertahanan-Negara*.

Kumar, V., Bharadwaj, R., Gupta, G., & Kumar, S. (2015). An Overview on HPLC Method Development, Optimization and Validation process for drug analysis. In *The Pharmaceutical and Chemical Journal* (Vol. 2, Issue 2). www.tpcj.org

LaCourse, M. E., & LaCourse, W. R. (2017). General instrumentation in HPLC. *Liquid Chromatography: Fundamentals and Instrumentation: Second Edition*, 1, 417–429. <https://doi.org/10.1016/B978-0-12-805393-5.00017-8>

Lloyd R, Snyder. J. J. Kirkland. J. L. G. (1997). *practical-hplc-method-development-second-edition-978-0471007036_compress*.

Moldoveanu, S. C., & David, V. (2017). Basic Information Regarding the HPLC Techniques. In *Selection of the HPLC Method in Chemical Analysis* (pp. 87–187). Elsevier. <https://doi.org/10.1016/b978-0-12-803684-6.00004-4>

Monzón, C. M., Teglia, C. M., Delfino, M. R., & Goicoechea, H. C. (2016). Chemometric optimization and validation of a novel dispersive liquid-liquid microextraction-HPLC method for gliclazide, glibenclamide and glimepiride

- quantitation in serum samples. *Microchemical Journal*, 127, 113–119. <https://doi.org/10.1016/j.microc.2016.02.011>
- Nowatzke, W. W. E. (2007). *Best Practices During Bioanalytical Method Validation for the Characterization of Assay Reagents and the Evaluation of Analyte Stability in Assay Standards, Quality Controls, and Study Samples*. <http://www.aapsj.org>
- Pandey, S., Pandey, P., Tiwari, G., & Tiwari, R. (2010). Bioanalysis in drug discovery and development. *Pharmaceutical Methods*, 1(1), 14. <https://doi.org/10.4103/2229-4708.72223>
- ParkinElmer. (2018). *Venipuncture: Heel Stick: Finger Prick*. www.perkinelmer.com
- Perkumpulan Endokrin Indonesia. (2021). *Pedoman Diagnosis dan Penatalaksanaan Hiperglikemi Dalam Kehamilan*.
- Perkumpulan Endokrinologi Indonesia. (2021). *Pedoman Pengelolaan Dan Pencegahan Diabetes Melitus Tipe 2 Dewasa Di Indonesia-2021 Perkeni I* Penerbit Pb. Perkeni.
- PubChem. (2023a). *Glimepiride* - PubChem. <https://pubchem.ncbi.nlm.nih.gov/compound/Glimepiride>
- PubChem. (2023b). *Glipizide* - StatPearls - NCBI Bookshelf. <https://www.ncbi.nlm.nih.gov/books/NBK459177>
- Scion Instrument. (2024). *RI Detector HPLC*. <https://scioninstruments.com/blog/ri-detector-hplc>
- Richard F. Venn. (2008). *Principles And Practice Of Bioanalysis Second Edition*.
- Samala, S., Tatipamula, S. R., & Veeresham, C. (2011). Determination of Glimepiride in Rat Serum by Rp-Hplc Method. *American Journal of Analytical Chemistry*, 02(02), 152–157. <https://doi.org/10.4236/ajac.2011.22017>
- Sebaiy, M. M., El-Adl, S. M., Baraka, M. M., & Hassan, A. A. (2020). Rapid RP-HPLC method for simultaneous estimation of metformin, pioglitazone, and glimepiride in human plasma. *Acta Chromatographica*, 32(1), 16–21. <https://doi.org/10.1556/1326.2018.00515>
- Strugaru, A. M., Kazakova, J., Butnaru, E., Caba, I. C., Bello-López, M. Á., & Fernández-Torres, R. (2019). Simultaneous determination of metformin and glimepiride in human serum by ultra high performance liquid chromatography quadrupole time of flight mass spectrometry detection. *Journal of Pharmaceutical and Biomedical Analysis*, 165, 276–283. <https://doi.org/10.1016/j.jpba.2018.12.004>

Sultana, N., Arayne, M. S., Ali, S. N., & Zuberi, M. H. (2012). Simultaneous determination of glipizide and glimepride by Rp-Hplc in dosage formulations and in human serum. *Medicinal Chemistry Research*, 21(9), 2443–2448. <https://doi.org/10.1007/s00044-011-9772-4>

UU Kesehatan. (2023). *UU No. 17 Tahun 2023 Tentang Kesehatan*.

Vaghela, A., Patel, A., Patel, A., Vyas, A., & Patel, N. (2016). Sample Preparation In Bioanalysis: A Review. *International Journal Of Scientific & Technology Research*, 5, 5. www.ijstr.org

Wenkui Li, W. J. and Y. F. (2019). *Current Sample Preparation Techniques in LC-MS Bioanalysis*.

World Health Organization. (2019). *CLASSIFICATION OF DIABETES MELLITUS 2019 Classification of diabetes mellitus*. <http://apps.who.int/bookorders>.

