

DAFTAR PUSTAKA

- Abdel Ghafar, M. T., & El-Masry, M. I. (2021). Verification of quantitative analytical methods in medical laboratories. *Journal of Medical Biochemistry*, 40(3), 225–236. <https://doi.org/10.5937/jomb0-24764>
- Abdu Hussen, A. (2022). High-Performance Liquid Chromatography (HPLC): A review. *Annals of Advances in Chemistry*, 6(1), 010–020. <https://doi.org/10.29328/journal.aac.1001026>
- Aizpurua-Olaizola, O., Soydaner, U., Öztürk, E., Schibano, D., Simsir, Y., Navarro, P., Etxebarria, N., & Usobiaga, A. (2016). Evolution of the Cannabinoid and Terpene Content during the Growth of Cannabis sativa Plants from Different Chemotypes. *Journal of Natural Products*, 79(2), 324–331. <https://doi.org/10.1021/acs.jnatprod.5b00949>
- Alhajj, M., Zubair, M., & Farhana, A. (2023). *Enzyme Linked Immunosorbent Assay*. <https://www.ncbi.nlm.nih.gov/books/NBK555922>
- Aydin, S. (2015). A short history, principles, and types of ELISA, and our laboratory experience with peptide/protein analyses using ELISA. *Peptides*, 72, 4–15. <https://doi.org/10.1016/j.peptides.2015.04.012>
- Chaila, M. Z., Viniegra, M., Gagliardino, J. J., Martínez, A., Simesen de Bielke, M. G., Frusti, M., Monaco, L., Salgado, P., Buso, C., Gonzalez, C. D., & Commendatore, V. F. (2022). Glycated Hemoglobin Measurement: Comparison of Three Methods Versus High Performance Liquid Chromatography. *Journal of Diabetes Science and Technology*, 16(3), 724–731. <https://doi.org/10.1177/1932296821997179>
- Chakraborty, S., Chakraborty, S., Ghosh, A., Samadder Chakraborty, S., & Author, C. (2019). A Comparative Evaluation of Estimation of Glycated Haemoglobin by Immunoturbidimetry and High Performance Liquid Chromatography in a Tertiary Care Hospital of Kolkata 4 Assistant Professor Zoology, Saban Sajanikanta Mahavidyalaya, West Bengal. *International Journal of Research & Review (Www.Ijrrjournal.Com)* Vol, 6(March), 155–158. www.ijrrjournal.com
- Chen, Z. J., Huang, A. J., Dong, X. X., Zhang, Y. F., Zhu, L., Luo, L., Xu, Z. L., & Wang, H. (2023). A simple and sensitive fluoroimmunoassay based on the nanobody-alkaline phosphatase fusion protein for the rapid detection of fenitrothion. *Frontiers in Sustainable Food Systems*, 7(December), 1–8. <https://doi.org/10.3389/fsufs.2023.1320931>
- Chen, Z., Shao, L., Jiang, M., Ba, X., Ma, B., & Zhou, T. (2022). Interpretation of HbA1c lies at the intersection of analytical methodology, clinical biochemistry and hematology (Review). *Experimental and Therapeutic Medicine*, 24(6), 1–11. <https://doi.org/10.3892/etm.2022.11643>
- ÇİHAN, M., ÜNER, A., KILINÇKAYA, M. F., & NOYAN, T. (2022).

- Comparison of high performance liquid chromatography and turbidimetric inhibition immunoassay methods for measurement of hemoglobin A1c. *Journal of Health Sciences and Medicine*, 5(5), 1281–1285. <https://doi.org/10.32322/jhsm.1139162>
- Dhingra, C., Rao, N., Singh, S., Pathak, A. K., Tiwari, V., Kulshrestha, M. R., & Verma, J. (2024). Comparative Analysis of HbA1c Estimation Using Immunoturbidimetry and High-Pressure Liquid Chromatography Methods in Non-Dialysis Chronic Kidney Disease Patients. *Electronic Journal of the International Federation of Clinical Chemistry and Laboratory Medicine*, 35(3), 195–205.
- Dong, M. W. (2019). HPLC and UHPLC for practicing scientists: Second edition. In *HPLC and UHPLC for Practicing Scientists*. <https://doi.org/10.1002/9781119313786>
- Elsayed, N. A., Aleppo, G., Aroda, V. R., Bannuru, R. R., Brown, F. M., Bruemmer, D., Collins, B. S., Das, S. R., Hilliard, M. E., Isaacs, D., Johnson, E. L., Kahan, S., Khunti, K., Kosiborod, M., Leon, J., Lyons, S. K., Perry, M. Lou, Prahalad, P., Pratley, R. E., ... Gabbay, R. A. (2023). 10. Cardiovascular Disease and Risk Management: Standards of Care in Diabetes—2023. *Diabetes Care*, 46(January), S158–S190. <https://doi.org/10.2337/dc23-S010>
- Elsayed, N. A., Aleppo, G., Aroda, V. R., Bannuru, R. R., Brown, F. M., Bruemmer, D., Collins, B. S., Hilliard, M. E., Isaacs, D., Johnson, E. L., Kahan, S., Khunti, K., Kosiborod, M., Leon, J., Lyons, S. K., Murdock, L., Perry, M. Lou, Prahalad, P., Pratley, R. E., ... Gabbay, R. A. (2023). 2. Classification and Diagnosis of Diabetes: Standards of Care in Diabetes—2023. *Diabetes Care*, 46(June), S19–S40. <https://doi.org/10.2337/dc23-S002>
- English, E., Idris, I., Smith, G., Dhatariya, K., Kilpatrick, E. S., & John, W. G. (2015). The effect of anaemia and abnormalities of erythrocyte indices on HbA1c analysis: a systematic review. *Diabetologia*, 58(7), 1409–1421. <https://doi.org/10.1007/s00125-015-3599-3>
- Fanali, S., Haddad, P. R., Poole, C. F., Schoenmakers, P., & Lloyd, D. (2017). Liquid Chromatography: Fundamentals and Instrumentation. In *Liquid Chromatography: Fundamentals and Instrumentation*. <https://doi.org/10.1016/C2010-0-68614-7>
- Ferina, Y., Dwi, P., Firia, H. R., & Eka, J. (2023). Evaluasi kontrol kualitas pemeriksaan glukosa darah di laboratorium x palangka raya. *Borneo Journal of Medical Laboratory Technology*, 5(2), 363–369.
- Goya, K., Tanaka, S., Makio, T., Kanno, M., Tabuchi, Y., Fukuzawa, K., Nonoguchi, K., Ishibashi, M., & Koga, M. (2020). Hba1c levels measured by enzymatic assay and immunoassay during off-site health checkups are both lower than those measured by on-site hplc assay. *Kobe Journal of Medical Sciences*, 66(5), E170–E174.
- Gruber, L., Hausch, A., & Mueller, T. (2024). Internal Quality Controls in the

- Medical Laboratory: A Narrative Review of the Basic Principles of an Appropriate Quality Control Plan. *Diagnostics*, 14(19). <https://doi.org/10.3390/diagnostics14192223>
- Gupta, R. C. (2019). Biomarkers in Toxicology. In *Biomarkers in Toxicology*. <https://doi.org/10.1016/C2017-0-01788-3>
- Hanson, S., Tennill, A. L., Little, R. R., & Ph, D. (2012). *Effects of Whole Blood Storage on Hemoglobin Alc*. 14(3), 271–275. <https://doi.org/10.1089/dia.2011.0136>
- Hardianto, D. (2020). The social psychological power of photography: Can the image-freezing machine make something of nothing? In *European Journal of Social Psychology* (Vol. 7, Issue 2, pp. 304–317). [https://doi.org/10.1002/1099-0992\(200009/10\)30:5<613::aid-ejsp11>3.3.co;2-j](https://doi.org/10.1002/1099-0992(200009/10)30:5<613::aid-ejsp11>3.3.co;2-j)
- Honma, K., Nakayama, Y., Tamaki, A., Uehara, M., Teruya, T., & Yabiku, T. (2024). *Impact of the transition from radioimmunoassay (RIA) to chemiluminescent enzyme immunoassay (CLEIA) for the measurement of plasma aldosterone concentration (PAC) on the diagnosis of primary aldosteronism (PA) via retrospective analyses in Okinawa*. 71(9), 895–906. <https://doi.org/10.1507/endocrj.EJ24-0227>
- IDAI. (2022). *Konsensus Nasional Pengelolaan Diabetes Melitus Tipe 1*.
- Internacional Diabetes Federation. (2023). IDF Diabetes Atlas 10th edition 537 million people worldwide have diabetes. In *IDF Diabetes Atlas* (Vol. 1). www.diabetesatlas.org
- Kemenkes. (2020). *KEPUTUSAN MENTERI KESEHATAN REPUBLIK INDONESIA NOMOR HK.01.07/MENKES/603/2020 TENTANG PEDOMAN NASIONAL PELAYANAN KEDOKTERAN TATA LAKSANA DIABETES MELITUS TIPE 2 DEWASA*. 2, 1–9.
- Larsson, A., Campbell, A., & Eriksson, M. (2022). *Chicken antibodies are highly suitable for particle enhanced turbidimetric assays*. October, 1–8. <https://doi.org/10.3389/fimmu.2022.1016781>
- Li, C., Zhao, C., Bao, J., Tang, B., Wang, Y., & Gu, B. (2020). Clinica Chimica Acta Laboratory diagnosis of coronavirus disease-2019 (COVID-19). *Clinica Chimica Acta*, 510(June), 35–46. <https://doi.org/10.1016/j.cca.2020.06.045>
- Little, R. ., Rohlfing, C., & Sacks, D. . (2019). The NGSP: Over 20 Years of Improving HbA1c Measurement. *HHS Public Access*, 176(3), 139–148. <https://doi.org/10.1373/clinchem.2018.296962>.The
- Little, R. R., La'Ulu, S. L., Hanson, S. E., Rohlfing, C. L., & Schmidt, R. L. (2015). Effects of 49 different rare Hb variants on HbA1c measurement in eight methods. *Journal of Diabetes Science and Technology*, 9(4), 849–856. <https://doi.org/10.1177/1932296815572367>

- Maradi, R., & Shetty, D. (2019). Comparison of HbA1c values by immunoturbidimetric and HPLC methods. *MedPulse International Journal of Biochemistry*, 12(2), 62–65. <https://doi.org/10.26611/10021226>
- Moldoveanu, S., & David, V. (2022). Essentials in Modern HPLC Separations. In *Essentials in Modern HPLC Separations*. <https://doi.org/10.1016/C2020-0-04542-1>
- Mulya Harahap, R. I., Rostini, T., & Suraya, N. (2024). Pemeriksaan Laboratorium pada Hemoglobin Terglikasi (HbA1C): Review Standarisasi dan Implementasi Klinis. *Action Research Literate*, 8(6), 1–10. <https://doi.org/10.46799/ar1.v8i6.409>
- Pea, F., & Viale, P. (2006). The antimicrobial therapy puzzle: Could pharmacokinetic-pharmacodynamic relationships be helpful in addressing the issue of appropriate pneumonia treatment in critically ill patients? *Clinical Infectious Diseases*, 42(12), 1764–1771. <https://doi.org/10.1086/504383>
- Permenkes. (2013). *PERATURAN MENTERI KESEHATAN REPUBLIK INDONESIA NOMOR 43 TAHUN 2013 TENTANG CARA PENYELENGGARAAN LABORATORIUM KLINIK YANG BAIK*. 1–183.
- Plotka-Wasyłka, J., Szczepańska, N., de la Guardia, M., & Namieśnik, J. (2016). Modern trends in solid phase extraction: New sorbent media. *TrAC - Trends in Analytical Chemistry*, 77, 23–43. <https://doi.org/10.1016/j.trac.2015.10.010>
- Plows, J. F., Stanley, J. L., Baker, P. N., Reynolds, C. M., & Vickers, M. H. (2018). The pathophysiology of gestational diabetes mellitus. *International Journal of Molecular Sciences*, 19(11), 1–21. <https://doi.org/10.3390/ijms19113342>
- Praptomo, A. J. (2018). *Pengendalian Mutu Laboratorium Medis [Buku]*, CV Budi Utama, Yogyakarta. https://books.google.co.id/books?hl=en&lr=&id=_FZpEQAAQBAJ&oi=fnd&pg=PP6&dq=pemantapan+mutu+laboratorium&ots=QsgN-GVsZh&sig=lfIcFJNJQ5PoX7G8jpDvK37e5Gc&redir_esc=y#v=onepage&q=pemantapan mutu laboratorium&f=false
- Prawitasari, D. S. (2019). Diabetes Melitus dan Antioksidan. *KELUWIH: Jurnal Kesehatan Dan Kedokteran*, 1(1), 48–52. <https://doi.org/10.24123/kesdok.v1i1.2496>
- Rabbani, M. A., Dwiputri, A. R., & Putri, A. A. (2024). *Beyond Type 1 and Type 2 Literature Review of Etiology, Pathophysiology*.pdf (pp. 181–189).
- Rifai, N., Horvath, A. ., & Wittwer, C. . (2018). Tietz Textbook of Clinical Chemistry and Molecular Diagnostics (6th edn). In *Annals of Clinical Biochemistry: International Journal of Laboratory Medicine* (Vol. 49, Issue 6). <https://doi.org/10.1258/acb.2012.201217>
- Sacks, D. B., Arnold, M., Bakris, G. L., Bruns, D. E., Horvath, A. R., Lernmark, Å., Metzger, B. E., & Nathan, D. M. (2023). *Guidelines and Recommendations for Laboratory Analysis in the Diagnosis and Management of Diabetes*

Mellitus. 46(October), 151–199.

- Saeed, S., Khattak, M., Syed, S., Khan, J. A., Amir, M., & Khattak, A. (2020). Analysis of HbA1C by TINIA and HPLC in diabetic patients attending a tertiary care Hospital. *Pakistan Journal of Pathology*, 31(2), 42–45.
- Sekar, A. (2022). Analisis Faktor-Faktor yang Mempengaruhi Pemantapan Mutu Internal Pada pemeriksaan Glukosa Darah di RSUD Budi Asih. Universitas Binawan. *Braz Dent J.*, 33(1), 1–12.
- Sherwani, S. I., Khan, H. A., Ekhzaimy, A., Masood, A., & Sakharkar, M. K. (2016). Significance of HbA1c test in diagnosis and prognosis of diabetic patients. *Biomarker Insights*, 11, 95–104. <https://doi.org/10.4137/Bmi.s38440>
- Shipkova, M., & Svinarov, D. (2016). LC–MS/MS as a tool for TDM services: Where are we? *Clinical Biochemistry*, 49(13–14), 1009–1023. <https://doi.org/10.1016/j.clinbiochem.2016.05.001>
- Siregar, M. T., Wulan, S. W., Setiawan, D., & Nuryati, A. (2018). Kendali Mutu. In *Bahan Ajar Teknologi Laboratorium Klinik* (Vol. 53, Issue 9). <https://www.scribd.com/document/392663950/Kendali-Mutu-1-pdf>
- Siswanto, A., Fudholi, A., Nugroho, A. K., & Martono, S. (2016). Validasi Metode HPLC untuk Penetapan Aspirin dan Asam Salisilat dalam Plasma Kelinci (*Lepus curpaeums*) secara Simultan Validation of A High Performance Liquid Chromatography Method for The Simultaneous Determination of Aspirin and Salicylic Acid In Rabb. *Jurnal Kefarmasian Indonesia*, 6, 68–78.
- Stratton, I. M., Cull, C. A., Adler, A. I., Matthews, D. R., Neil, H. A. W., & Holman, R. R. (2020). Additive effects of glycaemia and blood pressure exposure on risk of complications in type 2 diabetes: A prospective observational study (UKPDS 75). *Diabetologia*, 49(8), 1761–1769. <https://doi.org/10.1007/s00125-006-0297-1>
- Sugiyono. (2019). Metode Penelitian Kualitatif dan metode penelitian kuantitatif. In *Alvabeta. CV* (Issue January). <https://online.fliphtml5.com/qtbtp/evoe/#p=5>
- Sujatha Mahadevarao Premnath, & Zubair, M. (2023). *Electrochemiluminescence Method*.
- Swartz, M. (2015). HPLC DETECTORS: A BRIEF REVIEW. *Journal of Liquid Chromatography & Related Technologies*, 33(3), 218–328.
- Thi, T., Nguyen, M., & Nguyen, D. T. Van. (2023). *MedPharmRes Assessment of stability of HbA1c levels in human whole blood samples using immunoassays*. 7(3), 83–89.
- Van Moll, C., Egberts, T., Wagner, C., Zwaan, L., & Ten Berg, M. (2023). The Nature, Causes, and Clinical Impact of Errors in the Clinical Laboratory Testing Process Leading to Diagnostic Error: A Voluntary Incident Report Analysis. *Journal of Patient Safety*, 19(8), 573–579. <https://doi.org/10.1097/PTS.0000000000001166>

- Vashist, S. K., & Luong, J. H. t. (2018). Handbook of Immunoassay Technologies. In *Handbook of Immunoassay Technologies*. <https://doi.org/10.1016/c2018-0-00571-x>
- Wheeler, E., Leong, A., Liu, C. T., Hivert, M. F., Strawbridge, R. J., Podmore, C., Li, M., Yao, J., Sim, X., Hong, J., Chu, A. Y., Zhang, W., Wang, X., Chen, P., Maruthur, N. M., Porneala, B. C., Sharp, S. J., Jia, Y., Kabagambe, E. K., ... Meigs, J. B. (2017). Impact of common genetic determinants of Hemoglobin A1c on type 2 diabetes risk and diagnosis in ancestrally diverse populations: A transethnic genome-wide meta-analysis. *PLoS Medicine*, 14(9), 1–30. <https://doi.org/10.1371/journal.pmed.1002383>