DAFTAR PUSTAKA

Ali, A.H. (2022). High-Performance Liquid Chromatography (HPLC): A review. *Ann Adv Chem*. 6: 010-020.

Agilent. (2011). *Confident, lower-pressure analysis of carbohydrates, alcohols, and organic acids*, Agilent Technologies, USA.

Agilent. (2024). *Agilent InfinityLab LC Series Refractive Index Detectors User Manual*, Agilent Technologies, USA.

Agilent. (2024). *Agilent Hi-Plex Ligand Exchange Columns*. Agilent Technologies, USA.

Ahuja, S. & Dong, M.W. (2005). *Handbook Of Pharmaceutical Analysis By HPLC*. ELSEVIER Inc, USA.

AOAC. (2016). *AOAC Guidelines for Single Laboratory; Validation of Chemical Methods for Dietary Supplements and Botanicals.* Page 1-38.

Bachhav, R., Bachhav, P., Bhamare, M., Bachhav, R., Sonawane, G., & Pansare, K. (2023). A Concise Review on High-Performance Liquid Chromatography. *J Pharmaceut Res*, 8(2), 340-351.

BSN. (2018). *Implementasi SNI ISO/IEC 17025:2017*. Badan Standardisasi Nasional (BSN), Indonesia.

Cholifah, S.C., Lazuardi, M., Rahardjo, D., Maslachah, L., Sukmandi, M., & Kurnijasanti, R. (2020). Uji Penetapan Stabilitas *Retention Time Megestrole acetate* dalam Eluent Mobile Phase Menggunakan *High Performance Liquid Chromatography*. J*ournal of Basic Medical Veterinary*. 9(1) : 37-45.

Daina, A., Michielin, O., & Zoete, V. (2019). SwissTargetPrediction: updated data and new features for efficient prediction of protein targets of small molecules. *Nucl. Acids Res*. 47(W1), W357-W364.

Davankov, V.A., & Semechkin, A.V. (1977). Ligand-exchange chromatography. *Journal of Chromatography A*. 141(3), 313–353.

Depkes RI. (2020). *Farmakope Indonesia edisi VI.* Kementerian Kesehatan Republik Indonesia, Indonesia.

Diao, S.Q., Huang, Z., Chen, S.S., Niu, J., Li, Z.J., Ding, X. & Lin, H.Z. (2010). Effect of dietary inositol on growth, feed utilization and blood

biochemical parameters for juvenile barramundi (Lates calcarifer Bloch). *American Journal of Agricultural and Biological Science*. 5(3) : 370-375.

Dominici, S., Marescotti, F., Sanmartin, C., Macaluso, M., Taglieri, I., Venturi, F., Zinnai, A., & Facioni, M.S. (2022). Lactose: Characteristics, Food and Drug-Related Applications, and Its Possible Substitutions in Meeting the Needs of People with Lactose Intolerance. *Foods*. 11, 1486.

FDA. (2018). *Bioanalytical Method Validation Guidance for Industry*. U.S. Department of Health and Human Services Food and Drug Administration, USA.

Gandjar, I. G., & Rohman, A. (2007). *Kimia Farmasi Analisis*, Pustaka Pelajar, Yogyakarta.

Hadjikinova, R., Petkova, N., Hadjikinov, D., Denev, P., & Hrusavov, D. (2017). Development and Validation of HPLC-RID method for Determination of Sugars and Polyols. *J. Pharm. Sci. & Res.* 9(8) : 1263-1269.

Harde, C.D., Khedkar, A.N., & Sake, V.S. (2023). A Review on High Performance Liquid Chromatography. *International Journal of Novel Research and Development*.

Hegde, A.R., Padya, B.S., Soman, S., & Mutalik, S. (2021). A simple, precise, and sensitive HPLC method for quantification of letrozole in rat plasma : development, validation, and preclinical pharmacokinetics. *Journal of Analytical Science and Technology*. 12, 25.

Horwitz, W., & Albert, R. (2006). The Horwitz Ratio (HorRat): A Useful Index of Method Performance with Respect to Precision. *Journal Of AOAC International*. 89 (4).

ICH. (2005). *Validation of Analytical Procedures: Text and Methodology Q2(R1)*. International Conference on Harmonization, Geneva.

Jiang, W.D., Kuang, S.Y., Liu, Y., Jiang, J., Hu, K., Li, S.H., Tang, L., Feng, L. & Zhou, X.Q. (2013). Effects of myoinositol on proliferation, differentiation, oxidative status and antioxidant capacity of carp enterocytes in primary culture. *Aquaculture Nutrition.* 19 : 45-53.

Johnson, J.M., & Conforti, F.D. (2003). LACTOSE. *Encyclopedia of Food Sciences and Nutrition*, 3472–3476.

KKP. (2019). *Peraturan Menteri Kelautan dan Perikanan Republik Indonesia Nomor 1/PERMEN-KP/2019 tentang Obat Ikan*. Menteri Kelautan dan Perikanan RI, Indonesia.

KKP. (2021). *Peraturan Direktur Jenderal Perikanan dan Budidaya Nomor 285 Tahun 2019 tentang Pedoman Pengujian Mutu Obat Ikan*. Kementerian Kelautan dan Perikanan RI, Indonesia.

KKP. (2024). *Keputusan Direktur Jenderal Perikanan Budidaya Nomor 442 Tahun 2024 tentang Pedoman Pengujian Mutu Obat Ikan Dalam Rangka Penerbitan Sertifikat Pendaftaran Obat Ikan*. Kementerian Kelautan dan Perikanan RI, Indonesia.

KKP. (2024). *Peraturan Menteri Kelautan dan Perikanan Republik Indonesia Nomor 19/PERMEN-KP/2024 tentang Obat Ikan*. Menteri Kelautan dan Perikanan RI, Indonesia.

Know. (2023). *HPLC - Carbohydrate Analyses in LC*. Agilent. Diakses di : https://community.agilent.com/technical/consumables/w/wiki/13766/hplc---carbohydrate-analyses-in-lc. 27 Februari 2025.

Lema, A.G., & Bekele, B.M. (2023). Review on High Performance Liquid ChromatographyMethod of Development, Public Health Importance and Validation. *Austin Chromatogr*. 8(1): 1056.

Lister, A.S. (2005). *Handbook of Pharmaceutical Analysis by HPLC.* Elsevier Inc, United Kingdom.

Loescher, C.M., Morton, D.W. Razic, S., & Kustrin, S.A. (2014). High performance thin layer chromatography (HPTLC) and high performance liquid chromatography (HPLC) for the qualitative and quantitative analysis of Calendula officinalis—Advantages and limitations. *JJournal of Pharmaceutical and Biomedical Analysis.* 98 : 52–59.

NEPC. (1999). *NEPM Guideline on Data Collection, Sample Design and Reporting*. Northern Territory Goverment, Australia.

NCBI. (2024). P*ubChem Compound Summary for CID 892, Inositol.* https://pubchem.ncbi.nlm.nih.gov/compound/Inositol. 22 Oktober 2024.

NCBI (2025). *PubChem Compound Summary for CID 3037558, Lactose, anhydrous*.https://pubchem.ncbi.nlm.nih.gov/compound/Lactose_-anhydrous. 10 April 2025.

NCBI (2025). PubChem Compound Summary for CID 6342, Acetonitrile. https://pubchem.ncbi.nlm.nih.gov/compound/Acetonitrile. 13 April 2025.

Patel, M., Patel, D., Ahir, K., & Singh, S. (2019). A Review: Development and validation of HPLC method. *J Pharm Sci Bioscientific Res*. 9 (3):173-182.

Paul, C., Steiner, F., & Dong, M.W. (2019). HPLC Autosamplers: Perspectives, Principles, and Practices. *LCGC North Am.* 37(8): 514-529.

Pazourek, J. (2014). Fast separation and determination of free *myo*-inositol by hydrophilic liquid chromatography. *Carbohydrate Research*. 391, 55-60.

Puspitasari, A.D., Sumantri, & Pawae, P.N.A. (2017). Validasi Metode Penetapan Kadar Asiklovir dalam Sediaan Salep Menggunakan Kromatografi Cair Kinerja Tinggi (KCKT). *Inovasi Teknik Kimia*. 2(2), 35-41.

Putri, I., Widiastuti, E.L., & Nurchahyani, N. (2014). Penambahan Suplemen Inositol Pada Pakan Komersial Terhadap Laju Pertumbuhan Ikan Gurami (Osphronemus Gouramy) Dalam Skala Laboratorium. *Prosiding Seminar Nasional Pengembangan Teknologi Pertanian Politeknik Negeri Lampung 24 Mei 2014.* halaman 257-262.

Putri, A.N., Endang, L., Widiastuti, Nurcahyani, W., & Kanedi, M. (2014). Pemberian Inositol Terhadap Peningkatan Pertumbuhan dan Sintasan Juvenil Ikan Gurami (*Osphoronemus gouramy Lac.*). *Jurnal Ilmiah : Biologi Eksperimen dan Keanekaragaman Hayati.* 2(2), 56-62.

Qu, L. (2022). How Functional Premix Feed Be Used for Improvement of the Reproductive Capacity of Cattle. *Agricultural & Forestry Economics and Management*. 5 (1) : 73-77.

Rahmayanti, M. (2021). Pengaruh Variasi Kadar Pengisi Laktosa dan Manitol terhadap Sifat Fisik Granul sebagai Produk Antara Tablet Effervescent Ekstrak Daun Senna (*Cassia acutifolia*). *Journal of Islamic Pharm*, 6 (2), 58-62.

Ravisankar, P., Gowthami, S., & Rao, D.G. (2014). A review on analytical method development. *Indian Journal of Research in Pharmacy and Biotechnology*. 2(3), 1183-95.

Ravisankar, P., Anusha, S., Supriya, K., & Kumar, U.A. (2019). Fundamental Chromatographic Parameters. *Int. J. Pharm. Sci. Rev. Res*., 55(2) : 46 - 50.

Rowe, R.C., Sheskey, P.J., & Quinn, M.E. (2009). *Handbook of Pharmaceutical Excipients*, *6th Ed.* Pharmaceutical Press, London.

Sireesha, B., Rani, G.J., Dharani, P., Sreehitha, D., Saniya, S.K., Veeresh, C., & Chandu, K. (2023). Review on Different Types of Detectors Used in Chromatography Techniques. *UPI Journal of Pharmaceutical Medical and Health Sciences*. 6 (3) : 16-23.

Sood, S., & Bala, R. (2014). Method development and validation using HPLC technique – a review. *Journal of Drug Discovery and Therapeutics 2. (19): 23-29.*

Stoll, D.R. (2022). Essentials of LC Troubleshooting, Part III: Those Peaks Don't Look Right. *LCGC International*. 40 (6) : 244–247.

Thammana, M. (2016). A review on high performance liquid chromatography (HPLC). *Res Rev J Pharm Anal RRJPA*. 5(2): 22-28.

Tiwari, M., Mhatre, S., Vyas, T., Bapna, A., & Raghavan, G. (2023). A Validated HPLC-RID Method for Quantification and Optimization of Total Sugars: Fructose, Glucose, Sucrose, and Lactose in Eggless Mayonnaise. *Separations.*10, 199.

USP XXXVI. (2018). *Validation Of Compendial Procedures*. United States Pharmacopeia Convention Inc., USA.

Wang, W.T., Safar, J., & Zopf, D. (1990). Analysis of Inositol by High Performance Liquid Chromatography. *Analytical Biochemistry*. 188 : 432-435.

Waters. (2015). *2414 Refractive Index Detector Overview and Maintenance Guide*. Waters Corporation, USA dan Irlandia.

Zhang, M., Yang, X., Wang, C., Shang, B., Zhao, F., Xu, H., & Xu, Q. (2023). Effects of Myo-Inositol on the Growth Performance, Digestive Enzyme Activity, and Antioxidant of Juvenile *Hucho taimen*. *fishes*. 8: 567.