

DAFTAR PUSTAKA

- AOAC (2012) *AOAC Guidelines for Single-Laboratory Validation of Chemical Methods for Dietary Supplements and Botanicals in Handbook of Official Methods of Analysis of AOAC International 19th Edition*.
- AOAC (2019) “Chapter 35: Fish and Other Marine Products,” in *Book of Official Methods of Analysis of AOAC International*, p. 1.
- Bacanlı, M. and Başaran, N. (2019) “Importance of antibiotic residues in animal food,” *Food and Chemical Toxicology*. Elsevier Ltd, 125, pp. 462–466. doi: 10.1016/j.fct.2019.01.033.
- Bayona, L. M. (2019) *Metabolomics: Thin-Layer Chromatography*.
- Bernard-Savary, P. and Poole, C. F. (2015) “Instrument platforms for thin-layer chromatography,” *Journal of Chromatography A*. Elsevier B.V., 1421, pp. 184–202. doi: 10.1016/j.chroma.2015.08.002.
- British Pharmacopoeia Commision (2018) *British Pharmacopoeia 2018*.
- Chen, Y. et al. (2008) “Rapid enzyme-linked immunosorbent assay and colloidal gold immunoassay for kanamycin and tobramycin in swine tissues,” *Journal of Agricultural and Food Chemistry*, 56(9), pp. 2944–2952. doi: 10.1021/jf703602b.
- Chen, Y. et al. (2009) “LC method for the analysis of kanamycin residue in swine tissues using derivatization with 9-fluorenylmethyl chloroformate,” *Journal of Separation Science*, 32(21), pp. 3620–3626. doi: 10.1002/jssc.200900408.
- Choma, I. and Jesionek, W. (2014) *Effects-Directed Biological Detection: Bioautography, Instrumental Thin-Layer Chromatography*. Elsevier Inc. doi: 10.1016/B978-0-12-417223-4.00011-X.
- Departemen Kesehatan RI (2014) *Farmakope Indonesia Edisi Ke-5*.
- Dewanjee, S. et al. (2015) “Bioautography and its scope in the field of natural product chemistry,” *Journal of Pharmaceutical Analysis*. Elsevier, 5(2), pp. 75–84. doi: 10.1016/j.jpha.2014.06.002.

- Diez, C. *et al.* (2015) “Aminoglycoside Analysis in Food of Animal Origin with a Zwitterionic Stationary Phase and Liquid Chromatography-Tandem Mass Spectrometry,” *Analytica Chimica Acta*, pp. 1–13.
- Direktorat Jenderal Perikanan Budidaya Republik Indonesia (2011) “Produksi Perikanan Budidaya Kolam Menurut Jenis Ikan dan Provinsi,” *Peraturan Direktorat Jenderal Perikanan Budidaya Republik Indonesia*, pp. 1–2.
- Farouk, F., Azzazy, H. M. E. and Niessen, W. M. A. (2015) “Challenges in the determination of aminoglycoside antibiotics, a review,” *Analytica Chimica Acta*. Elsevier Ltd, 890, pp. 21–43. doi: 10.1016/j.aca.2015.06.038.
- Ghoulipour, V., Shokri, M. and Waqif-Husain, S. (2011) “Separation and Determination of Streptomycin by Ion Exchange-High-Performance Thin-Layer Chromatography,” *Journal of Planar Chromatography*, 24, pp. 520–523.
- Hubicka, U. *et al.* (2009) “Simultaneous identification and quantitative determination of selected aminoglycoside antibiotics by thin-layer chromatography and densitometry,” *Journal of AOAC International*, 92(4), pp. 1068–1075. doi: 10.1093/jaoac/92.4.1068.
- ICH (2005) “Validation of Analytical Procedures: Text and Methodology,” *Comission of The European Communities*, pp. 1–17.
- Isnaeni *et al.* (no date) “Validation of Thin-Layer Chromatography-Bioautographic Method for Determination of Streptomycin,” *JFIKI*.
- Jiang, Y. *et al.* (2019) “Ultrasensitive analysis of kanamycin residue in milk by SERS-based aptasensor,” *Talanta*. Elsevier B.V., 197(September 2018), pp. 151–158. doi: 10.1016/j.talanta.2019.01.015.
- Jin, Y. *et al.* (2006) “Development of immunoassays for the detection of kanamycin in veterinary fields,” *Journal of Veterinary Science*, 7(2), pp. 111–117. doi: 10.4142/jvs.2006.7.2.111.
- Johnson, P. D. R. (2017) “Streptomycin,” *Kucers the Use of Antibiotics: A Clinical Review of Antibacterial, Antifungal, Antiparasitic, and Antiviral Drugs, Seventh Edition*, 88, pp. 2471–2487. doi: 10.1201/9781315152110.
- Katzung, B. G., Masters, B. S. and Trevor, A. J. (2012) *Farmakologi Dasar dan Klinik*.

- Kuncoro, E. B. (2004) "Akarium Laut," *Penerbit Kanasius*, p. 117.
- Li, Y. et al. (2016) "Method for determination of streptomycin and streptidine as markers for streptomycin industrial dregs monitoring in pig and poultry compound feeds," *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*. Elsevier B.V., 1035, pp. 84–90. doi: 10.1016/j.jchromb.2016.09.037.
- M. Choma, I. et al. (2012) "Comparison of Deproteinization Methods Used Before TLC-DB and HPLC Analysis of Flumequine Residues in Milk," *Medicinal Chemistry*, 8(1), pp. 95–101. doi: 10.2174/157340612799278423.
- Marston, A. (2011) "Thin-layer chromatography with biological detection in phytochemistry," *Journal of Chromatography A*. Elsevier B.V., 1218(19), pp. 2676–2683. doi: 10.1016/j.chroma.2010.12.068.
- McGlinchey, T. A. et al. (2008) "A review of analytical methods for the determination of aminoglycoside and macrolide residues in food matrices," *Analytica Chimica Acta*, 624(1), pp. 1–15. doi: 10.1016/j.aca.2008.05.054.
- Menkem, Z. E. et al. (2018) "Antibiotic residues in food animals: Public health concern," *Acta Ecologica Sinica*. Elsevier B.V., (xxxx). doi: 10.1016/j.chnaes.2018.10.004.
- Menteri Kelautan dan Perikanan Republik Indonesia (2015) "Pengendalian Residu Obat Ikan, Kimia dan Kontaminan dalam Konsumsi Budidaya Ikan," *Peraturan Menteri Kelautan dan Perikanan Republik Indonesia*, pp. 1–19.
- Mukherjee, P. K. (2019) *Thin-Layer Chromatography for Evaluation of Herbal Drugs, Quality Control and Evaluation of Herbal Drugs*. doi: 10.1016/b978-0-12-813374-3.00008-9.
- Okocha, R. C., Olatoye, I. O. and Adedeji, O. B. (2018) "Food safety impacts of antimicrobial use and their residues in aquaculture," *Public Health Reviews*. Public Health Reviews, 39(1). doi: 10.1186/s40985-018-0099-2.
- Patil, N. N. et al. (2013) "Bioautography guided Screening of Antimicrobial Compounds Produced by Microbispora V2," *International Research Journal of Biological Science*, 2(2), pp. 65–68.
- Piech, T. et al. (2016) "Thin-layer chromatography—direct bioautography as an alternative method for screening of antibiotic residues in milk: A comparative study," *Journal of Liquid Chromatography and Related*

- Technologies.* Taylor & Francis, 39(5–6), pp. 292–297. doi: 10.1080/10826076.2016.1163468.
- Ramatla, T. et al. (2017) “Evaluation of antibiotic residues in raw meat using different analytical methods,” *Antibiotics*, 6(4), pp. 1–17. doi: 10.3390/antibiotics6040034.
- Reich, E. and Do, T. T. K. (2017) *Thin-Layer Chromatography : Instrumentation*. 3rd edn, *Encyclopedia of Analytical Science 3rd edition*. 3rd edn. Elsevier Inc. doi: 10.1016/B978-0-12-409547-2.14313-6.
- Reich, E. and Maire-Widmer, V. (2013) “Thin-Layer Chromatography: Instrumentation,” *Reference Module in Chemistry Molecular Sciences and Chemical Engineering*, pp. 1–9.
- Rohman, A. (2014) *Validasi dan Penjaminan Mutu Metode Analisis Kimia*.
- Rukmana, R. (2007) *Budidaya dan Prospek Agribisnis Ikan Nila*.
- Santiago, M. and Strobel, S. (2013) “Chapter 24: Thin-Layer Chromatography,” in *Handbook of Methods in Enzymology*, pp. 303–324.
- Santos, L. and Ramos, F. (2016) “Analytical strategies for the detection and quantification of antibiotic residues in aquaculture fishes: A review,” *Trends in Food Science and Technology*. Elsevier Ltd, 52, pp. 16–30. doi: 10.1016/j.tifs.2016.03.015.
- SNI (2000) “Batas Maksimum Cemaran Mikroba dan Batas Maksimum Residu dalam Bahan Makanan Asal Hewan,” *SNI 01-6366-2000*, pp. 1–12.
- Stead, D. A. (2000) “Current methodologies for the analysis of aminoglycosides,” *Journal of Chromatography B: Biomedical Sciences and Applications*, 747(1–2), pp. 69–93. doi: 10.1016/S0378-4347(00)00133-X.
- Sujarweni, V. W. (2015) *SPSS untuk Penelitian*.
- Supriyadi, H. et al. (2005) “Keragaan Penyakit Bakterial Ikan Nila (*Oreochromis niloticus*) Pada Keramba Jaring Apung (KJA) di Lokasi Berbeda,” *Jurnal Penelitian Perikanan Indonesia*, 11, pp. 35–45.
- Supriyadi, H. and Rukyani, A. (2000) “The Use of Chemicals in Aquaculture in Indonesia,” *SEAFDEC Journal*, pp. 113–118.

- Suyanto, R. (2008) *Budidaya Ikan Lele*.
- Tao, Y. et al. (2012) “Simultaneous determination of 15 aminoglycoside(s) residues in animal derived foods by automated solid-phase extraction and liquid chromatography-tandem mass spectrometry,” *Food Chemistry*. Elsevier Ltd, 135(2), pp. 676–683. doi: 10.1016/j.foodchem.2012.04.086.
- Thenawidjaja, M., Ismaya, W. T. and Soefie, R. D. (2017) *Protein Serial Biokimia Mudah dan Menggugah*.
- Urbancic, K. and Lindsay Grayson, M. (2017) “Kanamycin,” *Kucers the Use of Antibiotics: A Clinical Review of Antibacterial, Antifungal, Antiparasitic, and Antiviral Drugs, Seventh Edition*, 88, pp. 949–963. doi: 10.1201/9781315152110.
- USP (2018) *The United States Pharmacopeia 41 and The National Formulary 36 (USP-NF)*.
- Yuwono, M. and Indrayanto, G. (2005) “Validation of Chromatographic Methods of Analysis,” *Profiles of Drug Substances, Excipients and Related Methodology*, 32(05), pp. 241–260. doi: 10.1016/S0099-5428(05)32009-0.
- Zarei, M. et al. (2014) “Efficiency of different extraction solvents on recovery of histamine from fresh, frozen and canned fish,” *Journal of Food Quality and Hazards Control*, 1(3), pp. 72–76.
- Zhang, L. et al. (2018) “Determination of kanamycin using a molecularly imprinted SPR sensor,” *Food Chemistry*. Elsevier, 266(June), pp. 170–174. doi: 10.1016/j.foodchem.2018.05.128.
- Zhang, X. et al. (2019) “Determination of kanamycin by high performance liquid chromatography,” *Molecules*, 24(10), pp. 1–24. doi: 10.3390/molecules24101902.