

DAFTAR PUSTAKA

- Aldeek, F., Hsieh, K. C., Ugochukwu, O. N., Gerard, G., Hammack, W. (2018). Accurate Quantitation and Analysis of Nitrofuran Metabolites, Chloramphenicol, and Florfenicol in Seafood by Ultrahigh-Performance Liquid Chromatography-Tandem Mass Spectrometry: Method Validation and Regulatory Samples [Research-article]. *Journal of Agricultural and Food Chemistry*, 66(20), 5018–5030.
- Alkan, F., Kotan, A., & Ozdemir, N. (2016). Development and validation of confirmatory method for analysis of nitrofuran metabolites in milk, honey, poultry meat and fish by liquid chromatography-mass spectrometry. *Macedonian Veterinary Review*, 39(1), 15–22.
- Anonim. (2007). *Dielectric Constant of Common Solvents*.
https://depts.washington.edu/eoptic/linkfiles/dielectric_chart%5B1%5D.pdf
Diakses pada tanggal 20 Agustus 2020.
- AOAC International. (2016). Appendix F: Guidelines for Standard Method Performance Requirements. *AOAC Official Methods of Analysis*, pp. 1–17.
- Aydin, S. (2015). A short history, principles, and types of ELISA, and our laboratory experience with peptide/protein analyses using ELISA. *Peptides*, 72, pp. 4–15.
- Badan Pengawas Obat dan Makanan. (2016). *Peraturan Kepala Badan Pengawas Obat dan Makanan tentang Kategori Pangan*. Jakarta: Badan Pengawas Obat dan Makanan, p. 157.
- Badan Standarisasi Nasional (2014). *Bakso Ikan (SNI 7266:2014)*. Jakarta: Badan Standarisasi Nasional. p.8.
- Bock, C., Gowik, P., & Stachel, C. (2007). Matrix-comprehensive in-house validation and robustness check of a confirmatory method for the determination of four nitrofuran metabolites in poultry muscle and shrimp by LC-MS/MS. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, 856(1–2), pp. 178–189.
- Chang, C., Peng, D. P., Wu, J. E., Wang, Y. L., & Yuan, Z. H. (2008). Development of an indirect competitive ELISA for detection of Furazolidone Marker Residue in Animal Edible Tissues. *Journal of Agricultural and Food Chemistry*, 56, pp. 1525–1531.
- Conneely, A., Nugent, A., O'Keeffe, M. (2002): Use of solid phase extraction for the isolation and clean-up of a derivatised furazolidone metabolite from animal tissues. *Analyst*, 127, pp. 705–709.

- Cooper, K. M., Mulder, P. P. J., van Rhijn, J. A., Kovacsics, L., McCracken, R. J., Young, P. B., & Kennedy, D. G. (2005). Depletion of four nitrofuran antibiotics and their tissue-bound metabolites in porcine tissues and determination using LC-MS/MS and HPLC-UV. *Food Additives and Contaminants*, 22(5), pp. 406–414.
- Draisci, R., Giannetti, L., Lucentini, L., Palleschi, L., Brambilla, G., Serpe, L., Gallo, P. (1997). Determination of nitrofuran residues in avian eggs by liquid chromatography-UV photodiode array detection and confirmation by liquid chromatography-ionspray mass spectrometry. *Journal of Chromatography A*, 777(1), pp. 201–211.
- European Comission. (2007). *The Rapid Alert System for Food and Feed (RASFF) Annual Report 2007*.
- European Food Safety Authority. (2015). Scientific Opinion on nitrofurans and their metabolites in food. *EFSA Journal*, 13(6), pp. 1–217.
- Fernando, R., Munasinghe, D. M. S., Gunasena, A. R. C., Abeynayake, P. (2017). Determination of nitrofuran metabolites in shrimp muscle by liquid chromatography-photo diode array detection. *Food Control*, 72, pp. 300–305.
- Finzi, J.K., Donato, J.L., Sucupira, M., De Nucci, G., McCracken, R.J., van Rhijn, J.A., Kennedy, D.G. (2005). Determination of nitrofuran metabolites in poultry muscle and eggs by liquid chromatography-tandem mass spectrometry. *Journal Chromatography B Analytical Technology of Biomedical Life Sciences*, 824, pp. 30–35.
- Grave, K., Markestad, A. and Bangen, M. (1996). Comparison in prescribing patterns of antibacterial drugs in salmonid farming in Norway during the periods 1980–1988 and 1989–1994. *Journal of Veterinary Pharmacology and Therapeutics*, 19, pp. 184–191.
- Hage, D. S. Chromatography. In: Rifai,N., Horvath, A.R., Wittwer, C.T., and Hoofnagle, A. (eds.) (2018). *Principles and Applications of Clinical Mass Spectrometry*. Amsterdam: Elsevier Inc. pp. 1–31.
- Harmita. (2004). Petunjuk Pelaksanaan Validasi Metode dan Cara Perhitungannya. *Majalah Ilmu Kefarmasian*, 1(3), pp. 117–135.
- Hendayana, S. (2006). *Kimia Pemisahan: Metode Kromatografi dan Elektroforesis Modern*. Bandung: PT. Remaja Rosda Karya.
- Hoogenboom, L. A. P., Van Bruchem, G. D., Sonne, K., Enninga, I. C., Van Rhijn, J. A., Heskamp, H., Kuiper, H. A. (2002). Absorption of a mutagenic metabolite released from protein-bound residues of furazolidone. *Environmental Toxicology and Pharmacology*, 11(3–4), pp. 273–287.

- Hu, X. Z., Xu, Y., & Yediler, A. (2007). Determinations of residual furazolidone and its metabolite, 3-amino-2-oxazolidinone (AOZ), in fish feeds by HPLC-UV and LC-MS/MS, respectively. *Journal of Agricultural and Food Chemistry*, 55(4), pp. 1144–1149.
- Huber, W.G., (1982). Nitrofuran derivatives. In: Booth, N.H. and McDonald, L.E. (Eds.) *Veterinary Pharmacology and Therapeutics*. Iowa State University Press, Ames, IA, USA, 767.
- Joint FAO/WHO Expert Committee On Food Additives (JECFA). (1993). Evaluation of Certain Veterinary Drug Residues in Food. (Report of the 40 Meeting of the Joint FAO/WHO Expert Committee On Food Additives (JECFA)). In *WHO Technical Report Series 832*.
- Kazakevich, Y., LoBrutto, R. (Eds.). (2007). *HPLC for Pharmaceutical Scientists*. New Jersey, USA.: John Wiley & Sons, Inc. pp. 25-130.
- Kementerian Kelautan dan Perikanan Republik Indonesia. (2015). Lampiran: Kelompok dan Substansi Pengujian, Batas Maksimum Residu (BMR), serta Batas Minimum Kinerja Laboratorium (BMKL). *Peraturan Menteri Kelautan dan Perikanan Republik Indonesia nomor 39/PERMEN-KP/2015 tentang Pengendalian Residu Obat Ikan, Bahan Kimia, dan Kontaminan pada Kegiatan Pembudidayaan Ikan Konsumsi*. Jakarta: Kementerian Kelautan dan Perikanan. p.1.
- Kementerian Kelautan dan Perikanan Republik Indonesia. (2018). Volume dan Nilai Produksi Perikanan Budidaya Menurut Komoditas Utama dan Provinsi Tahun 2017. *Kelautan dan Perikanan dalam Angka 2018*. <https://kkp.go.id/setjen/satadata/artikel/9669-kelautan-dan-perikanan-dalam-angka-2018-telah-terbit>
Diakses pada tanggal 6 September 2020.
- Khong, S. P., Gremaud, E., Richoz, J., Delatour, T., Guy, P. A., Stadler, R. H., Mottier, P. (2004). Analysis of matrix-bound nitrofuran residues in worldwide-originated honeys by isotope dilution high-performance liquid chromatography-tandem mass spectrometry. *Journal of Agricultural and Food Chemistry*, 52(17), pp. 5309–5315.
- Kumar, L., Toothill, J.R., Ho, K.B. (1994). Determination of nitrofuran residues in poultry muscle tissues and eggs by liquid-chromatography. *Journal of AOAC International*, 77, pp. 591–595
- Leitner, A., Zöllner, P., Lindner, W. (2001). Determination of the metabolites of nitrofuran antibiotics in animal tissue by high-performance liquid chromatography - Tandem mass spectrometry. *Journal of Chromatography A*, 939(1–2), pp. 49–58.

- Liu, W., Zhao, C., Zhang, Y., Lu, S., Liu, J., Xi, R. (2007). Preparation of polyclonal antibodies to a derivative of 1-aminohydantoin (AHD) and development of an indirect competitive ELISA for the detection of nitrofurantoin residue in water. *Journal of Agricultural and Food Chemistry*, 55(17), pp. 6829–6834.
- McCalla, D.R. (1983). Mutagenicity of nitrofuran derivatives: a review. *Environmental Mutagenesis*, 5(5), pp. 745–765.
- McCracken, R.J., Kennedy, D.G. (1997). Determination of the furazolidone metabolite, 3-amino-2-oxazolidinone, in porcine tissues using liquid chromatography- thermospray mass spectrometry and the occurrence of residues in pigs produced in Northern Ireland. *Journal of Chromatography B*, 691, pp. 87–94.
- Moseley, R.H. (2013). Nitrofurantoin: Hepatotoxicity of antimicrobial and antifungal agents. In, Kaplowitz N, DeLeve LD, eds. *Drug-induced liver disease*. 3rd Edition. Amsterdam: Elsevier Inc., pp. 469-70.
- Nouws, J.F.M., Laurensen, J. (1990). Postmortal degradation of furazolidone and furaltadone in edible tissues of calves. *Veterinary Quarterly*, 12, pp. 56–59
- Prihanani, N. I., Nugroho, W. S., Wijayanti, A. D. (2017). Analisis Residu 3-amino-2-oxazolidinone (AOZ) pada Hati dan Otot Dada Ayam Setelah Proses Pemanasan menggunakan Metode Kromatografi Cair Kinerja Tinggi (KCKT). *Tesis*. Yogyakarta: Universitas Gadjah Mada.
- Rambaran, K. A., Seifert, C. F. (2016). Unrecognized Interstitial Lung Disease as a Result of Chronic Nitrofurantoin Use, *Drug Safety - Case Reports*, 3, pp. 1–5.
- Reichenbächer, M., & Einax, J. W. (2011). Validation of Method Performance. In: *Challenges in Analytical Quality Assurance*. Heidelberg, Germany: Springer-Verlag. pp. 132-138
- Reynolds, J. E. F. (1993). *Martindale, the Extra Pharmacopoeia*, 30th Edition, Pharmaceutical Press, London. p. 514
- Santos, L., Ramos, F. (2018). Antimicrobial resistance in aquaculture: Current knowledge and alternatives to tackle the problem. *International Journal of Antimicrobial Agents*, 52(2), pp. 135–143.
- Skoog, D.A., West, D. M., James, F., Holler, S. R. C. (2014). *Fundamentals of Analytical Chemistry* (9th ed.). Belmont, USA: Brooks/Cole. pp. 912-920.

¹United States Pharmacopoeia (USP) 42nd ed. (2019). *Chapter 1065: Ion Chromatography*. Maryland, USA: The United Book Press. p. 7474.

²United States Pharmacopoeia (USP) 42nd ed. (2019). *Chapter 1225: Validation of Compendial Procedures*. Maryland, USA: The United Book Press. pp. 8046-8051

Vass, M., Hruska, K., Franek, M. (2008). Nitrofuran antibiotics: A review on the application, prohibition and residual analysis. *Veterinarni Medicina*, 53(9), pp. 469–500.

Verdon, E., Couedor, P., Sanders, P. (2007). Multi-residue monitoring for the simultaneous determination of five nitrofurans (furazolidone, furaltadone, nitrofurazone, nitrofurantoin, nifursol) in poultry muscle tissue through the detection of their five major metabolites (AOZ, AMOZ, SEM, AHD, DNSA). *Analytica Chimica Acta*, 586(1-2 SPEC. ISS.), pp. 336–347.

Vroomen, L. H. M., Berghmans, M. C. J., Van Bladeren, P. J., Grotens, J. P., Wissink, C. J., Kuiper, H. A. (1990). In vivo and in vitro metabolic studies of furazolidone: A risk evaluation. *Drug Metabolism Reviews*, 22(6–8), pp. 663–676.

Weese, J. S., Blondeau, J. M., Boothe, D., Breitschwerdt, E. B., Guardabassi, L., Hillier, A., Sykes, J. E. (2011). Antimicrobial use guidelines for treatment of urinary tract disease in dogs and cats: Antimicrobial guidelines working group of the international society for companion animal infectious diseases. *Veterinary Medicine International*, pp. 1-9.

Yuwono, M., Indrayanto, G. (2005). Validation of Chromatographic Methods of Analysis. *Profiles of Drug Substances, Excipients and Related Methodology*, 32(05), pp. 241–260.