

DAFTAR PUSTAKA

- Al-Mustafa, Z.H. dan Al-Ghamdi, M.S., 2000. Use of norfloxacin in poultry production in the eastern province of Saudi Arabia and its possible impact on public health. *International Journal of Environmental Health Research*, **10**: 291–299.
- Allen, A., Bygate, E., Clark, D., Lewis, A., Pay, V., 2000. The effect of food on the bioavailability of oral gemifloxacin in healthy volunteers, *International Journal of Antimicrobial Agents*, **16**: 45–50.
- Aminimanizani, A., Beringer, P., Jelliffe, R., 2001. Comparative pharmacokinetics and pharmacodynamics of the newer fluoroquinolone antibacterials, *Clinical Pharmacokinetics*, **40**: 169–187.
- Amjad, H., Iqbal, J., Naeem, M., 2005. Analysis of some residual antibiotics in muscle, kidney, and liver samples of broiler chicken by various methods. *Proc. Pakistan Acad. Sci.* **42**: 223.
- Andreu, V., Blasco, C., dan Picó, Y., 2007. Analytical strategies to determine quinolone residues in food and the environment. *TrAC Trends in Analytical Chemistry*, **26**: 534–556.
- Anonim, 2010. The Residues Monitoring Program for Certain Harmful Substances in aquaculture fish and products thereof in 2009 and Implementation Plan in 2010. Ministry of Agriculture and Rural Development, Hanoi.
- Anonim, 2011. Pedoman Umum Penggunaan Antibiotik, Kementerian Kesehatan Republik Indonesia, Jakarta.
- Arslanbaş, E., 2018. Determination of Some Antibiotic Residues by HPLC Method in Chicken Meats Prepared for Consumption. *Erciyes Üniversitesi Veteriner Fakültesi Dergisi*, .
- Aslam, B., Kousar, N., Javed, I., Raza, A., Ali, A., Khaliq, T., dkk., 2016. Determination of Enrofloxacin Residues in Commercial Broilers Using High Performance Liquid Chromatography. *International Journal of Food Properties*, **19**: 2463–2470.
- Bahri S., Masbulan E., dan Kusumaningsih A., 2005. Proses Praproduksi sebagai Faktor Penting dalam Menghasilkan Produk Ternak yang Aman untuk Manusia, *Jurnal Litbang Pertanian*, **24** (1): 27–35.

- Bailac, S., Barrón, D., Barbosa, J., 2006. New extraction procedure to improve the determination of quinolones in poultry muscle by liquid chromatography with ultraviolet and mass spectrometric detection, *Analytica Chimica Acta*, **580**(2): 163–169.
- Beltran, J.L., Jiménez-Lozano, E., Barron, D., Barbosa, J., 2004. Determination of quinolone antimicrobial agents in strongly overlapped peaks from capillary electrophoresis using multivariate calibration methods, *Analytica Chimica Acta*, **501**(2): 137–141.
- Bergogne-Berezin, E., 2002. Clinical role of protein binding of quinolones, *Clinical Pharmacokinetics*, **41**: 741–750.
- Bélanger, J.M.R., Jocelyn Paré, J.R., dan Sigouin, M., 1997. Chapter 2 High performance liquid chromatography (HPLC): Principles and applications, dalam: *Techniques and Instrumentation in Analytical Chemistry*. Elsevier, hal. 37–59.
- Blondeau, J.M., 1999. Expanded activity and utility of the new fluoroquinolones: a review, *Clinical Therapeutics*, **21**: 3–40.
- Bortolotte, A.R., Daniel, D., dan Reyes, F.G.R., 2020. Occurrence of antimicrobial residues in tilapia (*Oreochromis niloticus*) fillets produced in Brazil and available at the retail market. *Food Research International*, 109865.
- Bowser, P.R. dan Babish, J.G., 1991. Clinical pharmacology and efficacy of fluoroquinolones in fish. *Annual Review of Fish Diseases*, **1**: 63–66.
- Brown, K., Mugoh, M., Call, D.R., dan Omulo, S., 2020. Antibiotic residues and antibiotic-resistant bacteria detected in milk marketed for human consumption in Kibera, Nairobi. *PLOS ONE*, **15**: e0233413.
- Bruzzoniti, M. C., Checchini, L., De Carlo, R. M., Orlandini, S., Rivoira, L., Del Bubba, M., 2014. QuEChERS sample preparation for the determination of pesticides and other organic residues in environmental matrices: A critical review. *Analysis Bioanalysis Chemistry*, **406** (17): 4089–4116.
- Brynes, S.D. and Yong, M.S., 1993. Residues of veterinary drugs in food. In: Haagsma, N., Ruiter, A. Czedik-Eysenberg, P.B. (Eds.), *Proceedings of the Euroresidue II Conference*, Veldhoven, May 3–5, 1993, p 226, University of Utrecht, The Netherlands.

- Burridge, L., Weis, J., Cabello, F., Pizarro, J., dan Bostick, K., 2010. Chemical use in salmon aquaculture: A review of current practices and possible environmental effects. *Aquaculture*, **306**: 7–23.
- Butts, J.D., 1994. Intracellular concentrations of antibacterial agents and related clinical implications, *Clinical Pharmacokinetics*, **27**: 63–84.
- Cazes, J., 2004. *Analytical Instrumentation Handbook*. CRC Press, hlm. 696-697.
- Chen, J., Ying, G.-G., dan Deng, W.-J., 2019. Antibiotic Residues in Food: Extraction, Analysis, and Human Health Concerns. *Journal of Agricultural and Food Chemistry*, **67**: 7569–7586.
- Coulet, M., Morello, C., Cox, P., Lohuis, J., 2005. Pharmacokinetics of ibafloxacin in healthy cats, *Journal of Veterinary Pharmacology and Therapeutics*, **28**: 37–44.
- Crosby, N.T., 1991, *Determination of Veterinary Residues in Food*, hlm. 211, Woodhead Publishing Limited, Cambridge, England.
- Daniel, O., Osman, E., Bakare, R., Adebiyi, P., Ige, O., Ogiri, S., Awe, E., Kabir, M., Ogundahunsi, O., Mourad, G. and Declarq, E., 2011. Ofloxacin resistance among Mycobacterium tuberculosis isolates in two states of south-west Nigeria. *African Journal of Respiratory Medicine*. **23**: 18–20.
- Debackere, M., 1990. Veterinary medicine products: Their pharmacokinetics in relation to the residues problem, *Eur Residue*, hlm. 326–395, Noordwijkerhout, The Netherlands
- Defoirdt, T., Boon, N., Sorgeloos, P., Verstraete, W., dan Bossier, P., 2007. Alternatives to antibiotics to control bacterial infections: luminescent vibriosis in aquaculture as an example. *Trends in Biotechnology*, **25**: 472–479.
- Donoghue, D.J. dan Hairston, H., 2000. Food safety implication: certain antibiotics may rapidly contaminate egg albumen during the process of its formation. *British Poultry Science*, **41**: 174–177.
- El-Sayed, G.A., El-Komy, A.A., Aboubakr, H., dan Elsaid, M., 2014. Pharmacokinetics and tissue residues of norfloxacin in normal and experimentally e.coli infected broiler chicken. *Benha Veterinary Medical Journal*, **26**(1):10-18.

- European Commission, 2010. Commission Regulation (EU) No 37/2010 of 22 December 2009 on pharmacologically active substances and their classification regarding maximum residue limits in foodstuffs of animal origin, Off J Eur Union, **15**: 1–72.
- FDA, 2020. Aquaculture Drugs, dalam: *Fish and Fishery Products Hazards and Controls Guidance*. hlm. 183–208.
- Food and Agriculture Organization of the United Nation, 2018. Codex Alimentarius International Food Standard: Maximum Residue Limits (Mrls) And Risk Management Recommendations (RMRS) For Residues Of Veterinary Drugs In Foods CX/MRL 2-2018, Food and Agriculture Organization of the United Nation.
- Gandjar, I.G. dan Rohman, A., 2007. *Kimia Farmasi Analisis*, hlm. 61–69. Pustaka Pelajar, Yogyakarta.
- Gellert, M., Mizuuchi, K., Odea, M.H., Itoh, T., Tomizawa, J.I., 1977. Nalidixic acid resistance: a second genetic character involved in DNA gyrase activity. *Proceedings of the National Academy of Sciences United States of the America*, **74**: 4772–4776.
- Giguère, S. and Dowling, P.M., 2013. Fluoroquinolones. Antimicrobial therapy in veterinary medicine, hlm.295–314.
- Greene, C.E., Budsberg, S.C., 1993. Veterinary use of quinolones. In: Hooper, D.C., Wolfson, J.S. (Eds.), *Quinolone Antimicrobial Agents*. American Society for Microbiology, hlm.473–488, Washington, DC.
- Guidi, L.R., Santos, F.A., Ribeiro, A.C.S.R., Fernandes, C., Silva, L.H.M., dan Gloria, M.B.A., 2017. A simple, fast and sensitive screening LC-ESI-MS/MS method for antibiotics in fish. *Talanta*, **163**: 85–93.
- Guidi, L.R., Santos, F.A., Ribeiro, A.C.S.R., Fernandes, C., Silva, L.H.M., dan Gloria, M.B.A., 2018. Quinolones and tetracyclines in aquaculture fish by a simple and rapid LC-MS/MS method. *Food Chemistry*, **245**: 1232–1238.
- Hasanen, F., Mohammed, M., H., M., Hassan, W., dan Amro, F., 2016. Ciprofloxacin residues in chicken and turkey carcasses. *Benha Veterinary Medical Journal*, **31**: 136–143.
- He, X., Wang, G.N., Yang, K., Liu, H.Z., Wu, X.J., dan Wang, J.P., 2017. Magnetic graphene dispersive solid phase extraction combining high performance

liquid chromatography for determination of fluoroquinolones in foods. *Food Chemistry*, **221**: 1226–1231.

He, X., Wang, Z., Nie, X., Yang, Yufen, Pan, D., Leung, A.O.W., dkk., 2012. Residues of fluoroquinolones in marine aquaculture environment of the Pearl River Delta, South China. *Environmental Geochemistry and Health*, **34**: 323–335.

Hernández-Arteseros, J.A., Barbosa, J., Compano, R., Prat, M.D., 2002. Analysis of quinolone residues in edible animal products. *Journal of Chromatography A*, **945**(1-2): 1-24.

Hou, X., Xu, Xu, Xu, Xiaoying, Han, M., dan Qiu, S., 2020. Application of a multiclass screening method for veterinary drugs and pesticides using HPLC-QTOF-MS in egg samples. *Food Chemistry*, **309**: 125746.

Hussein, M. dan Khalil, S., 2013. Screening of Some Antibiotics and Anabolic Steroids Residues in Broiler Fillet Marketed in El-Sharkia Governorate. *Life Science Journal*, **10**(1):2111-2118.

Idowu, O.R., Peggins, J.O., Cullison, R., dan Bredow, J. von, 2010. Comparative pharmacokinetics of enrofloxacin and ciprofloxacin in lactating dairy cows and beef steers following intravenous administration of enrofloxacin. *Research in Veterinary Science*, **89**: 230–235.

Jammoul, A. dan El Darra, N., 2019. Evaluation of Antibiotics Residues in Chicken Meat Samples in Lebanon. *Antibiotics*, **8**: 6–9.

Jollow, D.J., Kocsis, J.J., 1977, Snyder dan R. Vainio, H. (Eds.), *Biological Reactive Intermediates*, hlm. 286-301.

Junza, A., Dorival-García, N., Zafra-Gómez, A., Barrón, D., Ballesteros, O., Barbosa, J., dkk., 2014. Multiclass method for the determination of quinolones and β -lactams, in raw cow milk using dispersive liquid–liquid microextraction and ultra high performance liquid chromatography–tandem mass spectrometry. *Journal of Chromatography A*, **1356**: 10–22.

Kalaiselvi, L., Sriranjani, D., Ramesh, S., Sriram, P., dan Mathuram, L.N., 2006. Pharmacokinetics of ofloxacin in broiler chicken. *Journal of Veterinary Pharmacology and Therapeutics*, **29**: 185–189.

Kan, C.A. dan Petz, M., 2000. Residues of veterinary drugs in eggs and their distribution between yolk and white. *Journal of Agricultural and Food Chemistry*, **48**: 6397–6403.

- Kantiani, L., Farré, M., dan Barceló, D., 2011. Rapid residue analysis of fluoroquinolones in raw bovine milk by online solid phase extraction followed by liquid chromatography coupled to tandem mass spectrometry. *Journal of Chromatography A*, **1218**: 9019–9027.
- Karablut, N., Drusano, G.L., 1993. Pharmacokinetics of the quinolone antimicrobial agents, In: Hooper, D.C., Wolfson, J.S. (Eds.), *Quinolone Antimicrobial Agents*. American Society for Microbiology, hlm. 195–223, Washington, DC.
- Karami-Osboo, R., Shojaei, M.H., Miri, R., Kobarfard, F., dan Javidnia, K., 2014. Simultaneous determination of six fluoroquinolones in milk by validated QuEChERS-DLLME HPLC-FLD. *Anal. Methods*, **6**: 5632–5638.
- Karmi, M., 2019. HPLC determination of ciprofloxacin residues in chicken meat and its products. *Assiut Veterinary Medical Journal*, **65**(161):159-163.
- Kealey, D. dan Haines, P., 2002. *Instant Notes in Analytical Chemistry*. BIOS Scientific Publishers.
- Kirchhelle, C., 2018. Pharming animals: A global history of antibiotics in food production (1935–2017). *Palgrave Communication*, **4**(96):1-13.
- Kusumaningsih, A., Martindah, E., Bahri, S., 1997. Jalur pemasaran obat hewan pada peternakan ayam ras di beberapa lokasi di Jawa Barat dan DKI Jaya, *Hemerazoa*, **79**(1-2): 72–80.
- Li, Y., Zhang, Z., Li, J., Li, H., Chen, Y., dan Liu, Z., 2011. Simple, stable and sensitive electrogenerated chemiluminescence detector for high-performance liquid chromatography and its application in direct determination of multiple fluoroquinolone residues in milk. *Talanta*, **84**: 690–695.
- Liu, S., Yan, H., Wang, M., dan Wang, L., 2013. Water-Compatible Molecularly Imprinted Microspheres in Pipette Tip Solid-Phase Extraction for Simultaneous Determination of Five Fluoroquinolones in Eggs. *Journal of Agricultural and Food Chemistry*, **61**: 11974–11980.
- Lolo, M., Pedreira, S., Fente, C., Vázquez, B.I., Franco, C.M., dan Cepeda, A., 2005. Study of Enrofloxacin Depletion in the Eggs of Laying Hens Using Diphasic Dialysis Extraction/Purification and Determinative HPLC-MS Analysis. *Journal of Agricultural and Food Chemistry*, **53**: 2849–2852.

- Magalhães, D., Freitas, A., Sofia Vila Pouca, A., Barbosa, J., dan Ramos, F., 2020. The use of ultra-high-pressure-liquid-chromatography tandem time-of-flight mass spectrometry as a confirmatory method in drug residue analysis: Application to the determination of antibiotics in piglet liver. *Journal of Chromatography B*, **1153**: 122264.
- Marmulak, T., Tell, L., dan Gehring, R., 2016. Egg residue considerations for treatment of backyard poultry (vol 247, pg 1388, 2015). *Journal of the American Veterinary Medical Association*, **248**: 287–287.
- Martinez, M., McDermott, P., dan Walker, R., 2006. Pharmacology of the fluoroquinolones: A perspective for the use in domestic animals. *The Veterinary Journal*, **172**: 10–28.
- Martínez Vidal, J.L., Frenich, A.G., Aguilera-Luiz, M.M., dan Romero-González, R., 2010. Development of fast screening methods for the analysis of veterinary drug residues in milk by liquid chromatography-triple quadrupole mass spectrometry. *Analytical and Bioanalytical Chemistry*, **397**: 2777–2790.
- Martins, M.T., Melo, J., Barreto, F., Barcellos Hoff, R., Jank, L., Soares Bittencourt, M., dkk., 2014. A simple, fast and cheap non-SPE screening method for antibacterial residue analysis in milk and liver using liquid chromatography–tandem mass spectrometry. *Talanta*, **129**: 374–383.
- Meena, N.S., Sahni, Y.P., Shrman, K., Singh, A.K., dan Kumar, A., 2019. Detection of Norfloxacin in Muscle, Liver and Kidney of Broiler Chicken. *Indian Journal of Animal Research*, **54**(6): 739-743.
- Meyer, V.R., 2013. *Practical High-Performance Liquid Chromatography*, hlm. 4-6. John Wiley & Sons.
- Moema, D., Nindi, M.M., dan Dube, S., 2012. Development of a dispersive liquid–liquid microextraction method for the determination of fluoroquinolones in chicken liver by high performance liquid chromatography. *Analytica Chimica Acta*, **730**: 80–86.
- Moghadam, N.R., Rafie, S., Javadi, A., Lotfipour, F., Ansarin, M., Tamizi, E., dkk., 2018. Determination of Enrofloxacin and Ciprofloxacin Residues in Five Different Kinds of Chicken Tissues by Dispersive Liquid–Liquid Microextraction Coupled with HPLC. *Iranian Journal of Pharmaceutical Research*, **17**(4): 1182-1190.

- Moharana, B., KarthickVenkatesh, P., Preetha, S.P., dan Selvasubramanian, S., 2015. Quantification of enrofloxacin residues in milk sample using RP-HPLC. *World Journal of Pharmacy and Pharmaceutical Sciences*, **4**(10): 1443-1450.
- Moudgil, P., Bedi, J.S., Aulakh, R.S., dan Gill, J.P.S., 2019. Analysis of antibiotic residues in raw and commercial milk in Punjab, India vis-à-vis human health risk assessment. *Journal of Food Safety*, **39**(4): e12643.
- Navrátilová, P., Borkovcová, I., Vyhnálková, J., dan Vorlová, L., 2011. Fluoroquinolone residues in raw cow's milk. *Czech Journal of Food Sciences*, **29**: 641–646.
- Nga, D.T.T., Chuc, N.T.K., Hoa, N.P., Hoa, N.Q., Nguyen, N.T.T., Loan, H.T., dkk., 2014. Antibiotic sales in rural and urban pharmacies in northern Vietnam: an observational study. *BMC pharmacology & toxicology*, **15**: 6.
- Nisha, A.R., 2008. Antibiotic residues-a global health hazard, *Veterinary World*, **1**(12): 375.
- Nollet, L.M. (Eds.), 2004. *Handbook of Food Analysis-Two Volume Set Second Edition, Revised and Expanded*, hlm. 931-1036, Marcel Dekker, New York.
- Okocha, R.C., Olatoye, I.O., dan Adedeji, O.B., 2018. Food safety impacts of antimicrobial use and their residues in aquaculture. *Public Health Reviews*, **39** (1): 1-22.
- Omotoso, A.B. dan Omojola, A.B., 2015. Fluoroquinolone residues in raw meat from open markets in Ibadan, Southwest, Nigeria. *International Journal of Health, Animal Science and Food Safety*: No 1 (2015).
- Omotoso, A.B. dan Omojola, B.A., 2014. Screening of fluoroquinolone residues in imported and locally produced broiler chicken meat in Ibadan, Nigeria. *International Journal of Health, Animal Science and Food Safety*: No 2 (2014).
- Oyedeji, A.O., Msagati, T.A.M., Williams, A.B., dan Benson, N.U., 2020. Solid-phase extraction and high performance liquid chromatography with diode array detection method for the determination of antibiotic residues in poultry tissues. *Chemical Data Collections*, **25**: 100312.
- Panzenhagen, P.H.N., Aguiar, W.S., Gouvêa, R., de Oliveira, A.M.G., Barreto, F., Pereira, V.L.A., dkk., 2016. Investigation of enrofloxacin residues in broiler

tissues using ELISA and LC-MS/MS. *Food Additives & Contaminants: Part A*, 1–5.

- Peer, F. dan Bhattacharyya, H., 2008. Comparative efficacy of fluorquinolone verses chloramphenicol and oxytetracycline in bovine mastitis **42** (3): 225–226.
- Pena, A., Silva, L.J.G., Pereira, A., Meisel, L., dan Lino, C.M., 2010. Determination of fluoroquinolone residues in poultry muscle in Portugal. *Analytical and Bioanalytical Chemistry*, **397**: 2615–2621.
- Permentan, 2017. Peraturan Menteri Pertanian Republik Indonesia Nomor 14/Permentan/Pk.350/5/2017 Tentang Klasifikasi Obat Hewan.
- Pham, D.K., Chu, J., Do, N.T., Brose, F., Degand, G., Delahaut, P., dkk., 2015. Monitoring Antibiotic Use and Residue in Freshwater Aquaculture for Domestic Use in Vietnam. *EcoHealth*, **12**: 480–489.
- Phillips, I., Casewell M., Cox T., Groot B., Friis C., Jones R., Nightingale C., Preston R., Waddell J., 2014. Does the Use of Antibiotics in Food Animals Pose A Risk to Human Health, *Journal of Antimicrobial Chemotherapy*, **53**: 28–52.
- Phu, T.M., Douny, C., Scippo, M.-L., De Pauw, E., Thinh, N.Q., Huong, D.T.T., dkk., 2015. Elimination of enrofloxacin in striped catfish (*Pangasianodon hypophthalmus*) following on-farm treatment. *Aquaculture*, **438**: 1–5.
- Quesada, S.P., Paschoal, J.A.R., dan Reyes, F.G., 2013. A simple method for the determination of fluoroquinolone residues in tilapia (*Oreochromis niloticus*) and pacu (*Piaractus mesopotamicus*) employing LC-MS/MS QToF. *Food Additives & Contaminants: Part A*, **30**: 813–825.
- Ramatla, T., Ngoma, L., Adetunji, M., dan Mwanza, M., 2017. Evaluation of Antibiotic Residues in Raw Meat Using Different Analytical Methods. *Antibiotics*, **6**: 34.
- Reinholds, I., Pugajeva, I., Perkons, I., dan Bartkevics, V., 2016. The application of phospholipid removal columns and ultra-high performance liquid chromatography—tandem quadrupole mass spectrometry for quantification of multi-class antibiotics in aquaculture samples. *Journal of Pharmaceutical and Biomedical Analysis*, **128**: 126–131.
- Rejczak, T., Tuzimski, T., 2015. A review of recent developments and trends in the QuEChERS sample preparation approach. *Open Chem.* **13** (1), 980–1010.

- Rodríguez-Gómez, R., García-Córcoles, M.T., Çipa, M., Barrón, D., Navalón, A., dan Zafra-Gómez, A., 2018. Determination of quinolone residues in raw cow milk. Application of polar stir-bars and ultra-high performance liquid chromatography–tandem mass spectrometry. *Food Additives & Contaminants: Part A*, **35**: 1127–1138.
- Rossi, R., Saluti, G., Moretti, S., Diamanti, I., Giusepponi, D., Galarini, R., 2018. Multiclass methods for the analysis of antibiotic residues in milk by liquid chromatography coupled to mass spectrometry: A review, *Food Addit. Contam.*, Part A **35** (2): 241–257.
- San Martín, B., Cornejo, J., Iragüen, D., Hidalgo, H., dan Anadón, A., 2007. Depletion study of enrofloxacin and its metabolite ciprofloxacin in edible tissues and feathers of white leghorn hens by liquid chromatography coupled with tandem mass spectrometry. *Journal of Food Protection*, **70**: 1952–1957.
- Santos, L., Rosa, J., Freitas, A., Leston, S., Barbosa, J., dan Ramos, F., 2019. Detection and quantification of 47 antibiotic residues in farmed European sea bass (*Dicentrarchus labrax*) using a multi-class and multi-residue UHPLC-MS/MS method. *Food Additives & Contaminants: Part A*, **36**: 561–570.
- Santos, L., Soares, B., Rosa, J., Freitas, A., Leston, S., Barbosa, J., dkk., 2016. Detection and Quantification of 41 Antibiotic Residues in Gilthead Sea Bream (*Sparus aurata*) From Aquaculture Origin, Using a Multiclass and Multi-residue UHPLC-MS/MS Method. *Food Analytical Methods*, **9**: 2749–2753.
- Sárközy, G., 2001. Quinolones: a class of antimicrobial agents. *Veterinárni Medicina*, **46**: 257–274.
- Sarmah, A. K., Meyer, M. T., Boxall, A. B., 2006. A global perspective on the use, sales, exposure pathways, occurrence, fate and effects of veterinary antibiotics (VAs) in the environment, *Chemosphere*, **65** (5): 725–759.
- Sattar, S., Hassan, M.M., Islam, S.K.M.A., Alam, M., Faruk, Md.S.A., Chowdhury, S., 2014. Antibiotic residues in broiler and layer meat in Chittagong district of Bangladesh. *Veterinary World*, **7**: 738–743.
- Shailesh, B. dan Thaker, A., 2012. Pharmacokinetics of Antimicrobials in Food Producing Animals, dalam: *Readings in Advanced Pharmacokinetics-Theory, Methods and Applications*.

- Sjafarjanto, A. dan Huzai, M., 2014. Residu Antibiotika pada Hati dan Karkas Ayam Pedaging. *VITEK : Bidang Kedokteran Hewan*, **4**.
- Srinivasu, M., Ahmad, A., Kumar, N., Pant, D., dan Ahmad, W., 2017. Screening of Enrofloxacin and Its Metabolite Ciprofloxacin Residues by High-Performance Liquid Chromatography in Cow Milk of District Udham Singh Nagar, Uttarakhand. *International Journal of Livestock Research*, **7**: 140-145.
- Stratev, D., Pavlov, A., Bangieva, D., dan Stoyanchev, T., 2019. Fluoroquinolone Residues in Fish Collected from Farms and Retail Stores in Stara Zagora Region, Bulgaria. *Journal of Food Quality and Hazards Control*, **6**: 128-132.
- Susakate, S., 2018. Multiclass analysis of antimicrobial drugs in shrimp muscle by ultra high performance liquid chromatography-tandem mass spectrometry. *journal of food and drug analysis*, **27**(1): 118-134.
- Susanti, M. dan Dachriyanus, D., 2017. *Kromatografi Cair Kinerja Tinggi*. Lembaga Pengembangan Teknologi Informasi dan Komunikasi (LPTIK) Universitas Andalas.
- Takeda, N., Gotoh, M., dan Matsuoka, T., 2011. Rapid screening method for quinolone residues in livestock and fishery products using immobilised metal chelate affinity chromatographic clean-up and liquid chromatography-fluorescence detection. *Food Additives & Contaminants: Part A*, **28**: 1168–1174.
- Tavakoli, H.R., Firouzabadi, M.S.S., Afsharfarnia, S., Jafari, N.J., dan Sa'Adat, S., 2015. Detecting antibiotic residues by HPLC method in chicken and calves meat in diet of a military center in Tehran, **31**(7):1427-33.
- Teles, J.A., Castello Branco, L.C., Del Bianchi, M., Pilarski, F., dan Reyes, F.G.R., 2016. Pharmacokinetic study of enrofloxacin in Nile tilapia (*Oreochromis niloticus*) after a single oral administration in medicated feed. *Journal of Veterinary Pharmacology and Therapeutics*, **39**: 205–208.
- Tian, H., 2011. Determination of chloramphenicol, enrofloxacin and 29 pesticides residues in bovine milk by liquid chromatography–tandem mass spectrometry. *Chemosphere*, **83**: 349–355.
- Tian, H., Wang, J., Zhang, Y., Li, S., Jiang, J., Tao, D., dkk., 2016. Quantitative multi-residue analysis of antibiotics in milk and milk powder by ultra-

performance liquid chromatography coupled to tandem quadrupole mass spectrometry. *Journal of Chromatography B*, **1033–1034**: 172–179.

Toffolatti, L., Rosa Gastaldo, L., Patarnello, T., Romualdi, C., Merlanti, R., Montesissa, C., dkk., 2006. Expression analysis of androgen-responsive genes in the prostate of veal calves treated with anabolic hormones. *Domestic Animal Endocrinology*, **30**: 38–55.

Uchida, K., Konishi, Y., Harada, K., Okihashi, M., Yamaguchi, T., Do, M.H.N., dkk., 2016. Monitoring of Antibiotic Residues in Aquatic Products in Urban and Rural Areas of Vietnam. *Journal of Agricultural and Food Chemistry*, **64**: 6133–6138.

Van Boeckel, T. P., Brower, C., Gilbert, M., Grenfell, B. T., Levin, S. A., Robinson, T. P., Teillant, A., Laxminarayan, R., 2015. Global trends in antimicrobial use in food animals, *Proc. Natl. Acad. Sci. U. S. A.*, **112** (18): 5649–5654.

Van Boeckel, T. P., Glennon, E. E., Chen, D., Gilbert, M., Robinson, T. P., Grenfell, B. T., Levin, S. A., Bonhoeffer, S., Laxminarayan, R., 2017. Reducing antimicrobial use in food animals, *Science*. **357** (6358): 1350–1352.

Vancutsem, P., Babish, J., dan Schwark, W., 1990. The fluoroquinolone antimicrobials: structure, antimicrobial activity, pharmacokinetics, clinical use in domestic animals and toxicity. *The Cornell veterinarian*, **80**: 173–86.

Verma, M.K., Ahmad, A.H., Pant, D., Rawat, P., Sharma, S., dan Arya, N., 2020. Screening of Enrofloxacin and Ciprofloxacin Residues in Chicken Meat by High-Performance Liquid Chromatography. *Journal of Pharmaceutical Research International*, hlm.64–69.

Vernet, G., Mary, C., Altmann, D.M., Doumbo, O., Morpeth, S., Bhutta, Z.A., dkk., 2014. Surveillance for Antimicrobial Drug Resistance in Under-Resourced Countries. *Emerging Infectious Diseases*, **20**: 434–441.

Wang, G.N., Feng, C., Zhang, H.C., Zhang, Y.Q., Zhang, L., dan Wang, J.P., 2015. Determination of fluoroquinolone drugs in meat by ionic-liquid-based dispersive liquid–liquid microextraction-high performance liquid chromatography. *Analytical Methods*, **7**: 1046–1052.

Wang, G.N., Zhang, L., Song, Y.P., Liu, J.X., dan Wang, J.P., 2017. Application of molecularly imprinted polymer based matrix solid phase dispersion for determination of fluoroquinolones, tetracyclines and sulfonamides in meat. *Journal of Chromatography B*, **1065–1066**: 104–111.

- Widiastuti, R., 2008. Residu enrofloksasin dan siprofloksasin pada ayam pedaging pasca pencekakan enrofloksasin. *JITV*, **13**: 150–154.
- Yamaguchi, T., Okihashi, M., Harada, K., Konishi, Y., Uchida, K., Do, M.H.N., dkk., 2015. Antibiotic Residue Monitoring Results for Pork, Chicken, and Beef Samples in Vietnam in 2012–2013. *Journal of Agricultural and Food Chemistry*, **63**: 5141–5145.
- Yamaguchi, T., Okihashi, M., Harada, K., Konishi, Y., Uchida, K., Hoang Ngoc Do, M., dkk., 2017. Detection of antibiotics in chicken eggs obtained from supermarkets in Ho Chi Minh City, Vietnam. *Journal of Environmental Science and Health, Part B*, **52**: 430–433.
- Yang, Y., Qiu, W., Li, Y., dan Liu, L., 2020. Antibiotic residues in poultry food in Fujian Province of China. *Food Additives & Contaminants: Part B*, **13**: 177–184..
- Yu, H., Tao, Y., Chen, D., Pan, Y., Liu, Z., Wang, Y., Huang, L., Dai, M., Peng, D., Wang, X., Yuan, Z., 2012. Simultaneous determination of fluoroquinolones in foods of animal origin by a high performance liquid chromatography and a liquid chromatography tandem mass spectrometry with accelerated solvent extraction, *Journal of Chromatography B*, **885**: 150–159.
- Zechiedrich, E.L., Cozzarelli, N.R., 1995. Roles of topoisomerase IV and DNA gyrase in DNA unlinking during replication in Escherichia coli, *Genes and Development*, **9**: 2859–2869.
- Zhang, J. Q. dan Dong, Y. H., 2008. Effect of low-olecular-weight organicacids on the adsorption of norfloxacin in typical variable charge soils of China. *Journal of hazardous materials*. **151**(2-3): 833-839.
- Zhang, Q. Q., Ying, G. G., Pan, C. G., Liu, Y. S., Zhao, J. L., 2015. Comprehensive evaluation of antibiotics emission and fate in the river basins of China: Source analysis, multimedia modelling, and linkage to bacterial resistance, *Environment Science Technology*, **49**(11): 6772–6782.