

## DAFTAR PUSTAKA

- Ahmed, A. M. (2004). New aminoglycoside acetyltransferase gene, aac(3)-Id, in a class 1 integron from a multiresistant strain of *Vibrio fluvialis* isolated from an infant aged 6 months. *Journal of Antimicrobial Chemotherapy*, 53(6), 947–951.
- Aman, A. T., Nuryastuti, T., Aman, A. H., Linda, V. A. N., & Mawarti, Y. (2024). The profile of bacteria isolated from urine culture of adults with urinary tract infection in Yogyakarta 2007-2022. *Indonesian Journal of Biomedicine and Clinical Sciences*, 56(3), 254–266.
- Amin, L. Z. (2014). Pemilihan Antibiotik yang Rasional. *MEDICAL REVIEW*, 27.
- Barrow, G. I., & Feltham, R. K. A. (1993). *Cowan and Steels Manual for the Identification of Medical Bacteria*, 3rd. Ed. Cambridge University Press.
- Basavaraju, M., & Gunashree, B. S. (2023). *Escherichia coli*: An Overview of Main Characteristics. Dalam M. Starčič Erjavec (Ed.), *Escherichia coli—Old and New Insights*. IntechOpen.
- Bhowmik, P., Ahaduzzaman, M., & Hasan, R. B. (2018). A CROSS SECTIONAL ANTHROPO-CLINICAL STUDY ON ANTIMICROBIALS PRESCRIPTION PATTERN IN GOAT PATIENTS AT CHITTAGONG, BANGLADESH. *Bangladesh Journal of Veterinary Medicine*, 15(2), 119–126.
- Blaak, H., Van Hoek, A. H. A. M., Hamidjaja, R. A., Van Der Plaats, R. Q. J., Kerkhof-de Heer, L., De Roda Husman, A. M., & Schets, F. M. (2015). Distribution, Numbers, and Diversity of ESBL-Producing *E. coli* in the Poultry Farm Environment. *PLOS ONE*, 10(8), e0135402.
- Bryskier, A. (Ed.). (2005). *Antimicrobial agents: Antibacterials and antifungals*. ASM Press.
- CLSI. (2020). *M100: Performance Standards for Antimicrobial Susceptibility Testing*. Clinical and Laboratory Standards Institute.
- Donnenberg, M. S. (2013). *Escherichia coli: Pathotypes and principles of pathogenesis* (2nd edition). Academic Press.
- Drlica, K. (with Perlin, D.). (2011). *Antibiotic resistance: Understanding and responding to an emerging crisis*. FT Press.
- European Committee. (2012). *Antimicrobial Susceptibility Testing: Reading guide. Version 2.0*. European Committee.

- Ganar, K., Das, M., Sinha, S., & Kumar, S. (2014). Newcastle disease virus: Current status and our understanding. *Virus Research*, 184, 71–81.
- Han, X.-M., Hu, H.-W., Chen, Q.-L., Yang, L.-Y., Li, H.-L., Zhu, Y.-G., Li, X.-Z., & Ma, Y.-B. (2018). Antibiotic resistance genes and associated bacterial communities in agricultural soils amended with different sources of animal manures. *Soil Biology and Biochemistry*, 126, 91–102.
- Haryadi, F. R., Nurcahyo, R. W., Purwono, E., Yuliarso, D. B., & Fuady, A. A. (2022). *Trypanosoma evansi* pada ternak (Edisi pertama). UGM Press.
- Indraswari, A. A. S., Suwiti, N. K., & Apsari, I. A. P. (2017). *Protozoa Gastrointestinal: Eimeria Auburnensis dan Eimeria Bovis Menginfeksi Sapi Bali Betina Di Nusa Penida*. 9.
- Indraswari, A., Haryanto, A., Suardana, I. W., & Ayu Widiasih, D. (2021). Isolation and Detection of Four Major Virulence Genes in O157:H7 and Non-O157 E. Coli from Beef at Yogyakarta Special Province, Indonesia. *Journal of Animal Health and Production*, 9(4), 371–379.
- Istiqomah, I., Isnansetyo, A., Murwantoko, M., Handayani, D. P., Lestari, Y. N., Taslihan, A., Permana, I. G. N., & Wijayanti, E. (2023). Antibiotic resistance of emerging pathogenic bacteria of hybrid grouper farming in Indonesia. *Biodiversitas Journal of Biological Diversity*, 24(4).
- Jang, J., Hur, H.-G., Sadowsky, M. J., Byappanahalli, M. N., Yan, T., & Ishii, S. (2017). Environmental *Escherichia coli*: Ecology and public health implications-a review. *Journal of Applied Microbiology*, 123(3), 570–581.
- Januari, C., Sudarwanto, M. B., & Purnawarman, T. (2019). Resistansi Antibiotik pada *Escherichia coli* yang Diisolasi dari Daging Ayam pada Pasar Tradisional di Kota Bogor (ANTIBIOTIC RESISTANCE IN *ESCHERICHIA COLI* ISOLATED FROM CHICKEN MEAT OF TRADITIONAL MARKETS IN THE CITY OF BOGOR). *Jurnal Veteriner*, 20(1), 125–131.
- Juwita, R., Anggaeni, T. T. K., & Waskita, P. T. (2025). Profil Resistansi Antibiotik *Escherichia coli* dari Peternakan Sapi Perah Terintegrasi Pertanian di Lembang, Bandung Barat, Jawa Barat. *Jurnal Veteriner*, 25(3), 334–344.
- Katzung, B. G. (Ed.). (2018). *Basic & clinical pharmacology* (Fourteenth edition). McGraw-Hill.
- Khaira Rezkina & Ance Roslina. (2024). PERBANDINGAN PERTUMBUHAN *ESCHERICHIA COLI* DAN *SALMONELLA* SP PADA HARI PERTAMA DAN HARI KEDUA DI DEPOT AIR MINUM ISI ULANG. *Jurnal*

*Kedokteran dan Kesehatan: Publikasi Ilmiah Fakultas Kedokteran Universitas Sriwijaya*, 11(1), 22–31.

Khasanah, H., Widianingrum, D. C., Krismaputri, M. E., & Purnamasari, L. (2020). *Kesehatan Ternak Tropis*. UPT Percetakan & Penerbitan Universitas Jember.

Korkeala, H., & Pekkanen, T. J. (1977). THE TESTING OF THE ANTIBIOTIC SENSITIVITY OF BACTERIA ON AN AGAR MEDIUM: THE PROBLEM OF A DOUBLE ZONE OF INHIBITION. *Acta Pathologica Microbiologica Scandinavica Section B Microbiology*, 85B(2), 174–176.

Leboffe, M. J., & Pierce, B. E. (2015). *Microbiology: Laboratory theory & application* (Fourth edition). Morton Publishing.

Lieblein, G., Østergaard, E., & Francis, C. (2004). Becoming an Agroecologist through Action Education. *International Journal of Agricultural Sustainability*, 2(3), 147–153.

Liu, H., Pan, S., Cheng, Y., Luo, L., Zhou, L., Fan, S., Wang, L., Jiang, S., Zhou, Z., Liu, H., Zhang, S., Ren, Z., Ma, X., Cao, S., Shen, L., Wang, Y., Cai, D., Gou, L., Geng, Y., ... Zhong, Z. (2023). Distribution and associations for antimicrobial resistance and antibiotic resistance genes of *Escherichia coli* from musk deer (*Moschus berezovskii*) in Sichuan, China. *PLOS ONE*, 18(11), e0289028.

Magalhaes, M., & Vance, M. (1978). Hydrogen sulphide-positive strains of *Escherichia coli* from swine. *Journal of Medical Microbiology*, 11(2), 211–214.

Mair, T. S., & Parkin, T. D. (2022). Audit of antimicrobial use in eleven equine practices over a five-year period (2014–2018). *Equine Veterinary Education*, 34(8), 404–408.

Manning, S. (2010). *Escherichia coli Infections (2nd Edition)* (2nd ed). Chelsea House.

Markey, B. K., Leonard, F. C., Archambault, M., Cullinane, A., & Maguire, D. (2013). *Clinical veterinary microbiology* (2. ed). Mosby Elsevier.

Mazumder, R., Hussain, A., Rahman, M. M., Phelan, J. E., Campino, S., Abdullah, A., Clark, T. G., & Mondal, D. (2023). Genomic and functional portrait of multidrug-resistant, hydrogen sulfide (H<sub>2</sub>S)-producing variants of *Escherichia coli*. *Frontiers in Microbiology*, 14, 1206757.

Mazurkewicz, M., Harder, A., & Roberts, T. G. (2012). Evidence for Experiential Learning in Undergraduate Teaching Farm Courses. *Journal of Agricultural Education*, 53(1), 176–189.

- McVey, D. S., Kennedy, M., & Chengappa, M. M. (2013). *Veterinary Microbiology*. Wiley-Blackwell.
- Mehlman, I. J., Sanders, A. C., Simon, N. T., & Olson, J. C. (1974). Methodology for Recovery and Identification of Enteropathogenic *Escherichia coli*. *Journal of AOAC INTERNATIONAL*, 57(1), 101–110.
- Monaghan, K., Swisher, M., Koenig, R. L., & Rodriguez, J. C. (2017). Education for sustainable agriculture: A typology of the role of teaching farms in achieving learning goals and objectives. *Environmental Education Research*, 23(6), 749–772.
- Mukti, A., Rastina, Harris, A., Ismail, Darniati, & Masyitha, D. (2017). RESISTANSI *Escherichia coli* TERHADAP ANTIBIOTIK DARI DAGING AYAM BROILER DI PASAR RUKOH.
- Nofrianti, F. F., Novita, A., Jamin, F., & Sari, W. E. (2022). DI KOPELMA DARUSSALAM BANDA ACEH. *Jurnal Ilmiah Mahasiswa Veteriner (JIMVET)*, 6(3), 162–168.
- Normaliska, R., Sudarwanto, M. B., & Latif, H. (2019). Pola Resistansi Antibiotik pada *Escherichia coli* Penghasil ESBL dari Sampel Lingkungan di RPH-R Kota Bogor. *Acta VETERINARIA Indonesiana*, 7(2), 42–48.
- Overvliet, M. V. C. (2016). *Antibiotic susceptibility of Staphylococcus aureus from bovine milk samples in Gondar and Bahir Dar region, Ethiopia*. University of Utrecht.
- Panwar, K., Sinha, E., Gorre, V., Sathpathy, M. M., Dutta, S., Tanwar, A., & Bhati, T. (2024). Phenotypic characterization of *E. coli* isolates obtained from fecal samples of Egyptian vultures (*Neophron percnopterus*). *International Journal of Advanced Biochemistry Research*, 8(1S), 903–905.
- Patriani, P., Hafid, H., Hasnudi, & Mirwandhono, E. (2019). *KLIMATOLOGI DAN LINGKUNGAN TERNAK*. USU Press.
- Pelchovich, G., Schreiber, R., Zhuravlev, A., & Gophna, U. (2013). The contribution of common rpsL mutations in *Escherichia coli* to sensitivity to ribosome targeting antibiotics. *International Journal of Medical Microbiology*, 303(8), 558–562.
- Pesato, M. (2024). Small ruminant quality assurance (SRQA) – considerations and practices. *American Association of Bovine Practitioners Conference Proceedings*, 56, 179–182.
- Prastiwi, A., Adji, D., Anggraeni, Rr. D., Purnomo, A., & Ramadhani, M. E. (2024). Prolapsus Rektum Pada Domba Dorper (Case Report: Rectal Prolapses in Dorper Sheep). *Jurnal Sain Veteriner*, 42(3), 432.

- Prescott, J. F., & Dowling, P. M. (Ed.). (2013). *Antimicrobial therapy in veterinary medicine* (Fifth edition). Wiley-Blackwell.
- Putri, A. V. Y., Sadono, R., & Sutata, D. F. (2024). Enhancing land cover and carbon storage through rehabilitation of degraded lands into Wono: A case study of a small-scale private forest in Dengok Village, Gunungkidul, Yogyakarta, Indonesia (1972-2021). *Journal of Degraded and Mining Lands Management*, 11(2), 5105–5117.
- Putri, I. A., Zelpina, E., Noor, P. S., Lutfi, U. M., & Suliha. (2023). Prevalensi *Escherichia coli* pada Feses Sapi Simmental di Pasar Ternak Kota Payakumbuh. *Journal of Livestock and Animal Health*, 6(1), 47–50.
- Rahman, I. W., Fadlilah, R. N. R. N., Ka'bah, Kristiana, H. N., & Dirga, A. (2022). Potensi Ekstrak Daun Jambu Biji (*Psidium guajava*) dalam Menghambat Pertumbuhan *Serratia marcescens*. *Jurnal Ilmu Alam dan Lingkungan*, 13(1), 14–22.
- Rodloff, A., Bauer, T., Ewig, S., Kujath, P., & Müller, E. (2008). Susceptible, Intermediate, and Resistant – The Intensity of Antibiotic Action. *Deutsches Ärzteblatt International*.
- Rogers, S. W., Shaffer, C. E., Langen, T. A., Jahne, M., & Welsh, R. (2018). Antibiotic-Resistant Genes and Pathogens Shed by Wild Deer Correlate with Land Application of Residuals. *EcoHealth*, 15(2), 409–425.
- Ruslin, Jabbar, A., Wahyuni, Malik, F., Trinovitasari, N., Agustina, Bangkit Saputra, Chichi Fauziyah, Fitrah Fajriani Haming, Herda Dwi Saktiani, Nurfadillah Siddiqah, Rezky Marwah Kirana, Sitti Masyithah Amaluddin, & Yuyun Asna Sari. (2023). EDUKASI PENGGUNAAN ANTIBIOTIK PADA MASYARAKAT DESA LEPPE KECAMATAN SOROPIA KABUPATEN KONAWA. *Mosiraha: Jurnal Pengabdian Farmasi*, 1(1), 25–30.
- Sauring, R. Ca., Kumaji, S. S., & Lainjong, E. A. R. (2021). IDENTIFICATION OF *Escherichia coli* BACTERIA IN QUAIL EGGS THAT FOR SALE IN THE CENTRAL MARKET OF THE CITY OF GORONTALO. *Journal of Health, Technology and Science (JHTS)*, 2(1), 19–27.
- Semarabawa, I. G. (2023). Pelayanan Kesehatan Ternak dan Penyuluhan Pencegahan Penularan Penyakit Mulut Dan Kuku di Kelurahan Bakunase II. *Jurnal Pengabdian kepada Masyarakat Nusantara (JPkMN)*, 4(3), 2976–2982.
- Siburian, F., & Ginting, T. T. M. (2024). Meningkatkan Kesadaran Peternak tentang Biosekuriti: Kunci untuk Kesehatan Ayam Kampung yang Lebih Baik di Namorambe. *Jurnal Pengabdian Sosial*, 2(1), 2432–2438.

- Skold, O. (2011). *ANTIBIOTICS AND ANTIBIOTIC RESISTANCE*. JOHN WILEY & SONS, INC.
- Smart Veterinary Teaching Farm Universitas Gadjah Mada. (2024). Profil Smart Veterinary Teaching Farm Universitas Gadjah Mada. *Universitas Gadjah Mada*. <https://svtf.fkh.ugm.ac.id/profil/>
- Sousa, R. D. T., Suada, I. K., & Suarjana, I. G. K. (2022). Bakteri *Escherichia coli* pada Limbah Peternakan Babi di Kabupaten Badung Jauh Melampaui Baku Mutu Coliform Provinsi Bali. *Indonesia Medicus Veterinus*, *11*(1), 85–94.
- Suardana, I. W., Utama, I. H., Putriningsih, P. A. S., & Rudyanto, M. D. (2014). Uji Kepekaan Antibiotika Isolat *Escherichia coli* O157:H7 asal Feses Ayam. *Buletin Veteriner Udayana*, *6*(1), 19–27.
- Sun, H., Yang, H., Ruan, H., Li, W., He, X., Wang, L., Liu, F., & Zhang, J. (2018). The Protective Effect of Sika Deer Antler Protein on Gentamicin-Induced Nephrotoxicity in Vitro and in Vivo. *Cellular Physiology and Biochemistry*, *50*(3), 841–850.
- Tallon, R. E., Whitt, B., & Bladon, B. M. (2024). Antibiotic usage in 14 equine practices over a 10-year period (2012–2021). *Equine Veterinary Journal*, *56*(3), 544–551.
- Tyasningsih, W., Ramandinianto, S. C., Ansharieta, R., Witaningrum, A. M., Permatasari, D. A., Wardhana, D. K., Effendi, M. H., & Ugbo, E. N. (2022). Prevalence and antibiotic resistance of *Staphylococcus aureus* and *Escherichia coli* isolated from raw milk in East Java, Indonesia. *Veterinary World*, 2021–2028.
- Wang, R., Lin, X., Zha, G., Wang, J., Huang, W., Wang, J., Hou, Y., Mou, H., Zhang, T., Zhu, H., & Wang, J. (2022). Mechanism of enrofloxacin-induced multidrug resistance in the pathogenic *Vibrio harveyi* from diseased abalones. *Science of The Total Environment*, *830*, 154738.
- Wibisono, F. J., Sumiarto, B., Untari, T., Effendi, M. H., Permatasari, D. A., & Witaningrum, A. M. (2021). CASES OF MULTIDRUG RESISTANCE (MDR) AND EXTENDED SPECTRUM BETA-LACTAMASE (ESBL) PRODUCING *ESCHERICHIA COLI* FROM BROILER CHICKEN IN BLITAR, INDONESIA. *Biochem. Cell. Arch.*, *21*(1), 1923–1929.
- Wiwanitkit, V. (2011). *Escherichia coli Infections*. CreateSpace Independent Publishing Platform.
- Xu, C., Kong, L., Liao, Y., Tian, Y., Wu, Q., Liu, H., & Wang, X. (2022). Mini-Review: Antibiotic-Resistant *Escherichia coli* from Farm Animal-Associated Sources. *Antibiotics*, *11*(11), 1535.



Zengel, J. M., Young, R., Dennis, P. P., & Nomura, M. (1977). Role of ribosomal protein S12 in peptide chain elongation: Analysis of pleiotropic, streptomycin-resistant mutants of *Escherichia coli*. *Journal of Bacteriology*, *129*(3), 1320–1329.