

DAFTAR PUSTAKA

- Abdullah, A., dan Ibrahim, H. (2014). Persepsi peternak terhadap kinerja penyuluh dalam pengembangan teknologi pengolahan jerami padi dan limbah ternak sapi potong. *Jurnal Ilmu dan Teknologi Peternakan Tropis*, 1(1), 99-107.
- Adator, E. H., Narvaez-Bravo, C., Zaheer, R., Cook, S. R., Tymensen, L., Hannon, S. J., Booker, C. W., Church, D., Read, R. R., dan McAllister, T. A. (2020). A One Health comparative assessment of antimicrobial resistance in generic and extended-spectrum cephalosporin-resistant *Escherichia coli* from beef production, sewage and clinical settings. *Microorganisms*, 8(6), 885.
- Adenaya, A., Adeniran, A. A., Ugwuoke, C. L., Saliu, K., Raji, M. A., Rakshit, A., Ribas-Ribas, M., dan Könneke, M. (2025). Environmental risk factors contributing to the spread of antibiotic resistance in West Africa. *Microorganisms*, 13(4), 951.
- Ahmed, S. K., Hussein, S., Qurbani, K., Ibrahim, R. H., Fareeq, A., Mahmood, K. A., dan Mohamed, M. G. (2024). Antimicrobial resistance: Impacts, challenges, and future prospects. *Journal of Medicine, Surgery, and Public Health*, 2, 100081.
- Ally, C. A., Mini, K. P., Silvester, R., Aneesa, P. A., Suresh, K., Divya, P. S., Paul, S., Fathima, P. A., dan Abdulla, M. H. (2016). Comparative evaluation of EMB agar and hicrome *E. coli* agar for differentiation of green metallic sheen producing non *E. Coli* and typical *E. Coli* colonies from food and environmental samples. *Journal of Pure and Applied Microbiology*, 10(4), 2863-2870.
- Almutairi, B. A. A., Almotawa, A. A., Almutairi, M. A. M., Baabbad, R. S., Abdullah, S. A. A., Alagedi, H. S. K., Aljaizani, E. A. H., Ahmar, M. A., Shabi, F. A. A., Alharbi, S. A., Alaboudi, I. S. A., Kaabi, A. A., dan Saleh, A. (2024). Ciprofloxacin: an overview of uses, mechanism of action, and adverse effects. *JoE*, 3(8).
- Althubaiti, A. (2016). Information bias in health research: definition, pitfalls, and adjustment methods. *Journal of multidisciplinary healthcare*, 211-217.
- Angi, A. H., dan Tulle, D. R. (2022). Identifikasi Faktor Resiko Yang Berperan Sebagai Sumber Penularan Penyakit African Swine Fever Di Kota Dan Kabupaten Kupang. *Partner*, 27(2), 1939-1951.
- Anwar, M. A., Aziz, S., Ashfaq, K., Aqib, A. I., Shoaib, M., Naseer, M. A., Alvi, M. A., Muzammil, I., Bhutta, Z. A., Sattar, H., Saleem, A., Zaheer, T., Khanum, F., dan Mahmood, A. (2022). Trends in frequency, potential risks and antibiogram of *E. coli* isolated from semi-intensive dairy systems. *Pakistan Veterinary Journal*, 42(2), 162-172.
- Arikunto, S. (2010). *Prosedur Penelitian: Suatu Pendekatan Praktik*. Jakarta: Rineka Cipta.
- Aryanto, A., dan Ervandi, M. (2025). Desain Standar Pemberdayaan Ternak Sapi Potong Sebagai Tenaga Kerja Dalam Sistem Usahatani. *Jurnal Sains Ternak Tropis*, 3(1), 29-40.

- Badan Pusat Statistik Provinsi Daerah Istimewa Yogyakarta (2026). *Populasi Ternak Menurut Kabupaten/Kota dan Jenis Ternak di Provinsi DI Yogyakarta (ekor)*, 2025. <https://yogyakarta.bps.go.id>
- Bako, E. S., Mahatmi, H., Sudipa, P. H., dan Sanjaya, G. P. (2024). Variations of Coliform Bacteria Isolated From Bali Cattle Calves Feces, Marketed At beringkit Animal Market. *Buletin Veteriner Udayana*, 727-736.
- Barh, D. dan Azevedo, V. (2018). *Omics Technologies and Bio-Engineering*. Elsevier.
- Barour, D., Berghiche, A., dan Boulebda, N. (2019). Antimicrobial resistance of *Escherichia coli* isolates from cattle in Eastern Algeria. *Veterinary world*, 12(8), 1195.
- Basavaraju, M. dan Gunashree, B. S. (2022). *Escherichia coli*: an overview of main characteristics. *Escherichia coli-old and new insights*. 1-21.
- Baumeister, S. E., Kocher, T., Papapanou, P. N., Holtfreter, B., dan Demmer, R. T. (2026). Cross-Sectional Studies: Strengths, Limitations, and Methodological Considerations. *Journal of Periodontal Research*.
- Bennett, P. N., Brown, M. J., dan Sharma, P. (2012). *Clinical Pharmacology*. UK: Elsevier.
- Birlutiu, V., dan Birlutiu, R. M. (2025). An overview of the epidemiology of multidrug resistance and bacterial resistance mechanisms: what solutions are available? A comprehensive review. *Microorganisms*, 13(9), 2194.
- Breen, M. J., Williams, D. R., Abdelfattah, E. M., Karle, B. M., Byrne, B. A., Lehenbauer, T. W., dan Aly, S. S. (2023). Effect of group housing of preweaned dairy calves: Health and fecal commensal antimicrobial resistance outcomes. *Antibiotics*, 12(6), 1019.
- Bush, K. dan Bradford, P. A. (2016). β -Lactams and β -lactamase inhibitors: an overview. *Cold Spring Harbor perspectives in medicine*, 6(8), a025247.
- Cameron, A., dan McAllister, T. A. (2016). Antimicrobial usage and resistance in beef production. *Journal of animal science and biotechnology*, 7(1), 68.
- Caneschi, A., Bardhi, A., Barbarossa, A., & Zaghini, A. (2023). The use of antibiotics and antimicrobial resistance in veterinary medicine, a complex phenomenon: a narrative review. *Antibiotics*, 12(3), 487.
- Cantón, R., dan Ruiz-Garbajosa, P. (2011). Co-resistance: an opportunity for the bacteria and resistance genes. *Current opinion in pharmacology*, 11(5), 477-485.
- Cheney, T. E. A., Smith, R. P., Hutchinson, J. P., Brunton, L. A., Pritchard, G., dan Teale, C. J. (2015). Cross-sectional survey of antibiotic resistance in *Escherichia coli* isolated from diseased farm livestock in England and Wales. *Epidemiology & Infection*, 143(12), 2653-2659.
- Clinical And Laboratory Standards Institute (CLSI). (2025). *CLSI M100TM: Performance Standards for Antimicrobial Susceptibility Testing 35th Edition*. USA: CLSI.
- Coughlin, S. S. (1990). Recall bias in epidemiologic studies. *Journal of clinical epidemiology*, 43(1), 87-91.
- Damhuri, D. dan Yatno, Y. (2025). Profil Resistansi Antibiotik *Escherichia coli* yang Diisolasi Dari Air Minum dan Ambing Sapi Perah di Desa Kabawetan,

- Kecamatan Kepahiang, Provinsi Bengkulu. *TERNAK TROPIKA Journal of Tropical Animal Production*, 26(2), 115-128.
- Detha, A., Wuri, D. A., Ramos, F., Biru, D., Meha, M. M., dan Lakapu, A. (2021). Penggunaan Antibiotik yang Kurang Tepat pada Peternakan Babi di Kota Kupang, Nusa Tenggara Timur. *Jurnal Veteriner*, 22(2).
- Dewi, R. R., Nuryawan, A., Jajere, S. M., Sihombing, J. M., dan Tambunan, I. J. (2024). Antimicrobial resistance profiles of *Escherichia coli* derived from an integrated agroforestry–livestock system in Deli Serdang Regency, Indonesia. *Veterinary World*, 17(3), 690.
- Fecteau, G. (2022). *Neonatal Septicemia in Bovine Neonates*. MSD Manual: Veterinary Manual.
- Ferroni, L., Lovito, C., Scoccia, E., Dalmonte, G., Sargenti, M., Pezzotti, G., Maresca, C., Forte, C., dan Magistrali, C. F. (2020). Antibiotic consumption on dairy and beef cattle farms of central Italy based on paper registers. *Antibiotics*, 9(5), 273.
- Gargita, I. G., Besung, I. N. K., dan Rompis, A. L. T. (2018). *Escherichia coli* on Bali cattle according to maturity levels in different geographies area and it's pattern of antibiotics resistance. *Buletin Veteriner Udayana*. 166-175.
- Gonggrijp, M. A., Santman-Berends, I. M. G. A., Heuvelink, A. E., Buter, G. J., Van Schaik, G., Hage, J. J., dan Lam, T. J. G. M. (2016). Prevalence and risk factors for extended-spectrum β -lactamase-and AmpC-producing *Escherichia coli* in dairy farms. *Journal of Dairy Science*, 99(11), 9001-9013.
- Han, L., Wang, K., Ma, L., Delaquis, P., Bach, S., Feng, J., dan Lu, X. (2020). Viable but nonculturable *Escherichia coli* O157: H7 and *Salmonella enterica* in fresh produce: rapid determination by loop-mediated isothermal amplification coupled with a propidium monoazide treatment. *Applied and environmental microbiology*, 86(7), e02566-19.
- Harada, K., dan Asai, T. (2010). Role of antimicrobial selective pressure and secondary factors on antimicrobial resistance prevalence in *Escherichia coli* from food-producing animals in Japan. *BioMed research international*, 2010(1), 180682.
- Hossain, M. S., Rahman, W., Ali, M. S., Sultana, T., dan Hossain, K. M. M. (2021). Identification and antibiogram assay of *Escherichia coli* isolated from chicken eggs. *Journal of Bio-Science*, 123-133.
- Indrayani, I., Andri, A., dan Boyon, B. (2022). Analisis peran ternak sapi potong dalam pembangunan ekonomi subsektor peternakan di provinsi Sumatera Barat. *Jurnal Ekonomi Pertanian dan Agribisnis*, 6(4), 1416-1426.
- Islam, M. A., Bose, P., Rahman, M. Z., Muktaruzzaman, M., Sultana, P., Ahamed, T., dan Khatun, M. M. (2024). A review of antimicrobial usage practice in livestock and poultry production and its consequences on human and animal health. *Journal of Advanced Veterinary and Animal Research*, 11(3), 675.
- Johnson, J. G., Kunz, L. J., Barron, W., dan Ewing, W. H. (1966). Biochemical differentiation of the Enterobacteriaceae with the aid of lysine-iron-agar. *Applied microbiology*, 14(2), 212-217.

- Kamel, F. H. dan Jarjes, S. F. (2015). *Essentials of Bacteriology and Immunology*. Iraq: Erbil Polytechnic University
- Lajhar, S. A., Brownlie, J., dan Barlow, R. (2018). Characterization of biofilm-forming capacity and resistance to sanitizers of a range of *E. coli* O26 pathotypes from clinical cases and cattle in Australia. *BMC microbiology*, 18(1), 41.
- Leboffe, M. J. dan Pierce, B. E. (2015). *Microbiology: Laboratory Theory & Application 4th Edition*. USA: Morton Publishing Company.
- Lee, J. B., Kim, S. K., dan Yoon, J. W. (2022). Pathophysiology of enteropathogenic *Escherichia coli* during a host infection. *Journal of veterinary science*, 23(2), e28.
- Lee, J. H. (2009). Antimicrobial resistance of *Escherichia coli* O26 and O111 isolates from cattle and their characteristics. *Veterinary microbiology*, 135(3-4), 401-405.
- Lehman, D. (2005). *Triple Sugar Iron Agar Protocols*. American Society for Microbiology. <https://asm.org/>
- Lestari, V. S., Sirajuddin, S. N., Saleh, I. M., dan Indah, K. P. (2021). Perilaku peternak sapi potong terhadap pelaksanaan biosekuriti. *Prosiding Seminar Nasional Teknologi Peternakan dan Veteriner*. 263-271.
- Longhi, C., Maurizi, L., Conte, A. L., Marazzato, M., Comanducci, A., Nicoletti, M., dan Zagaglia, C. (2022). Extraintestinal pathogenic *Escherichia coli*: beta-lactam antibiotic and heavy metal resistance. *Antibiotics*, 11(3), 328.
- Magiorakos, A. P., Srinivasan, A., Carey, R. B., Carmeli, Y., Falagas, M. E., Giske, C. G., Harbarth, S., Hindler, J. F., Kahlmeter, G., Olsson-Lijequists, B., Paterson, D. L., Rice, L. B., Stelling, J., Struelens, M. J., Vatopoulos, A., Weber, J. T., dan Monnet, D. L. (2012). Multidrug-resistant, extensively drug-resistant and pandrug-resistant bacteria: an international expert proposal for interim standard definitions for acquired resistance. *Clinical microbiology and infection*, 18(3), 268-281.
- Mainda, G., Bessell, P. R., Muma, J. B., McAteer, S. P., Chase-Topping, M. E., Gibbons, J., Stevens, M. P., Gally, D. L., dan deC. Bronsvort, B. M. (2015). Prevalence and patterns of antimicrobial resistance among *Escherichia coli* isolated from Zambian dairy cattle across different production systems. *Scientific reports*, 5(1), 12439.
- Makuker, G. P., Anwarudin, O. E., dan Pardosi, H. F. (2024). Penerapan Good Farming Practices pada Sapi Potong di Distrik Warmare Kabupaten Manokwari Provinsi Papua Barat. *Prosiding Seminar Nasional Pembangunan dan Pendidikan Vokasi Pertanian*. 5(1):1446-1459.
- McEwen, S. A., dan Collignon, P. J. (2018). Antimicrobial resistance: a one health perspective. *Microbiology Spectrum*. 521-547.
- Muda, M. T., Kallau, N. H., dan Detha, A. I. (2022). Analisis Hubungan Antara KAP (Knowledge, Attitude, and Practice) Peternak Sapi Terhadap Penggunaan antibiotik Di kecamatan Alak, kecamatan Maulafa, Dan kecamatan Kelapa Lima, Kota Kupang. *Jurnal Veteriner Nusantara*, 5(2), 157-170.

- Murti, B. (2013). *Desain dan Ukuran Sampel untuk Penelitian Kuantitatif dan Kualitatif di Bidang Kesehatan*. Yogyakarta: Gadjah Mada University Press.
- Mustika, Y. R., Effendi, M. H., Puspitasari, Y., Plumeriastuti, H., Khairullah, A. R., dan Kinasih, K. N. (2024). Identification of Escherichia coli Multidrug Resistance in Cattle in Abattoirs. *Jurnal Medik Veterinar*, 7(1).
- Nainggolan, M. S., Azhari, N. K., Sihombing, N. K., Wijaya, E., dan Basriwijaya, K. M. Z. (2025). Analisis Manajemen Pemeliharaan Usaha Ternak Sapi Potong di Desa Pematang Sijonam Kecamatan Perbaungan. *Botani: Publikasi Ilmu Tanaman dan Agribisnis*, 2(1), 228-236.
- Nainu, F., Permana, A. D., Djide, N. J. N., Anjani, Q. K., Utami, R. N., Rumata, N. R., Zhang, J., Emran, T. B., dan Simal-Gandara, J. (2021). Pharmaceutical approaches on antimicrobial resistance: prospects and challenges. *Antibiotics*, 10(8), 981.
- Natalia, L. (2000). Manifestasi Veseral Penyakit Radang Paha pada Hewan. *JITV*, 5(1), 276-281.
- Nugroho, W. S., Do Karmo, A., Silalahi, G. E., Kajang, E. A., dan Gallantiswara, P. C. D. (2024). Cross-sectional study of antibiotic resistance to Escherichia coli and Salmonella spp. in cats in Yogyakarta, Indonesia, and Dili, Timor-Leste. *Veterinary World*, 17(10), 2347.
- Nurjanah, G. S., Cahyadi, A. I., dan Windria, S. (2020). Kajian pustaka: resistensi Escherichia coli terhadap berbagai macam antibiotik pada hewan dan manusia. *Indonesia Medicus Veterinus*, 9(6), 970-983.
- Pancar, F. M. M., Putra, I. P. C., Yaddi, Y., Libriani, R., Prasanjaya, P. N., dan Fauzia, S. (2024). Representasi Penyakit pada Sapi Berdasarkan Gangguan Sistem Organ di Kabupaten Muna Barat. *Jurnal Sains dan Teknologi Peternakan*, 5(2), 44-54.
- Panie, P. B., Detha, A. I., dan Wuri, D. A. (2022). Kajian penggunaan antibiotik pada peternak babi di Kabupaten Rote Ndao. *Jurnal Kajian Veteriner*, 10(1), 51-60.
- Papich, M. G. (2016). *Saunders Handbook of Veterinary Drugs: Small and Large Animal 4th Edition*. UK: Elsevier
- Pebriani, K. O., Sukaryanan, Y., dan Maghfirroh, K. (2024). Studi Kasus Abses Pada Sapi Potong di PT. Indo Prima Beef II Desa Lempuyang Bandar, Lampung Tengah. *Jurnal Agribisnis Peternakan*. 2(1): 30-34.
- Pereira, R. V., Siler, J. D., Ng, J. C., Davis, M. A., dan Warnick, L. D. (2014). Effect of preweaned dairy calf housing system on antimicrobial resistance in commensal Escherichia coli. *Journal of dairy science*, 97(12), 7633-7643.
- Permatasari, R. I. (2018). Higiene, sanitasi dan kualitas bakteriologis susu sapi di dusun krajan, desa gendro, kecamatan tutur, kabupaten pasuruan. *Jurnal Kesehatan Lingkungan*, 10(4), 343-350.
- Pfeiffer, D. U. (2002). *Veterinary Epidemiology: An Introduction*. UK: University of London
- Putra, A. R. S., Effendi, M. H., Koesdarto, S., Suwarno, S., Tyasningsih, W., dan SOELIH, E. A. (2020). Identifikasi Bakteri Escherichia Coli Penghasil Extended Spectrum B-Lactamase Dari Swab Rectal Sapi Perah

- Menggunakan Metode Vitek-2 Di Kud Tani Wilis Sendang Kabupaten Tulungagung. *JOURNAL OF BASIC MEDICAL VETERINARY*, 8(2), 108.
- Putri, I. A., Zelpina, E., Noor, P. S., dan Lutfi, U. M. (2023). Prevalensi Escherichia coli pada Feses Sapi Simmental di Pasar Ternak Kota Payakumbuh. *Journal of Livestock and Animal Health*, 6(1), 47-50.
- Rell, F., Apada, A. M. S., Yusuf, B., Suharto, R. H., dan Jamaluddin, A. W. (2024). Viral infections posing significant threats to swine populations in Indonesia and globally: a review. *Buletin Veteriner Udayana*, 183-192.
- Reygaert, W. C. (2018). An overview of the antimicrobial resistance mechanisms of bacteria. *AIMS microbiology*, 4(3), 482.
- Rifai, K. R. (2021). Uji indole sebagai kegiatan penjaminan mutu tambahan pada hasil pengujian coliform dalam sampel air mineral. *Indonesian Journal of Industrial Research*, 6(1), 1-6.
- Rusdiana, S., dan Praharani, L. (2018). Pengembangan peternakan rakyat sapi potong: kebijakan swasembada daging sapi dan kelayakan usaha ternak. *Forum Penelitian Agro Ekonomi*, 36(2), 97-116.
- Safitri, Y., Gultom, W. R., Tobing, D. A. L., dan Sianturi, D. R. (2024). Potensi Escherichia Coli Sebagai Resistansi Antibiotik. *Algoritma: Jurnal Matematika, Ilmu Pengetahuan Alam, Kebumian Dan Angkasa*, 2(5), 08-20.
- Salam, M. A., Al-Amin, M. Y., Salam, M. T., Pawar, J. S., Akhter, N., Rabaan, A. A., dan Alqumber, M. A. (2023). Antimicrobial resistance: a growing serious threat for global public health. *Healthcare*. 11(13): 1946.
- Sastroasmoro, S. dan Ismael, S. (2014). *Dasar-dasar Metodologi Penelitian Klinis*. Jakarta: Sagung Seto
- Setiawan, V., Raisatulhaq, R., dan Septiyani, S. (2024). Streptococcus dysgalactiae Septic Arthritis of a Pre-Weaned Holstein Bull Calf-a Case Report. *Media Kedokteran Hewan*, 35(3), 256-266.
- Shen, C. dan Zhang, Y. (2021). *Introductory Microbiology Lab Skills and Techniques in Food Science*. Elsevier
- Shere, J. A., Kaspar, C. W., Bartlett, K. J., Linden, S. E., Norell, B., Francey, S., dan Schaefer, D. M. (2002). Shedding of Escherichia coli O157: H7 in dairy cattle housed in a confined environment following waterborne inoculation. *Applied and environmental microbiology*, 68(4), 1947-1954.
- Singh, A. S., dan Masuku, M. B. (2014). Sampling techniques & determination of sample size in applied statistics research: An overview. *International Journal of economics, commerce and management*, 2(11), 1-22.
- Susanti, Y., Priyarsono, D. S., dan Mulatsih, S. (2014). Pengembangan peternakan sapi potong untuk peningkatan perekonomian Provinsi Jawa Tengah: Suatu pendekatan perencanaan wilayah. *Journal of Indonesian Agribusiness*, 2(2), 177-190.
- Suzuki, Y., Hiroki, H., Xie, H., Nishiyama, M., Sakamoto, S. H., Uemura, R., Nukazawa, K., Ogura, Y., Watanabe, T., dan Kobayashi, I. (2022). Antibiotic-resistant Escherichia coli isolated from dairy cows and their surrounding environment on a livestock farm practicing prudent antimicrobial use. *International Journal of Hygiene and Environmental Health*, 240, 113930.

- Tedla, M., dan Degefa, K. (2017). Bacteriological study of calf colisepticemia in alage dairy farm, southern Ethiopia. *BMC research notes*, 10(1), 710.
- Thorve, K. (2023). An Overview on Streptomycin: Its Mechanism and Clinical Applications. *Journal of Bacteriology and Parasitology*. 14.
- Thrusfield, M. dan Christley, R. (2018). *Veterinary Epidemiology 4th Edition*. USA: Wiley Blackwell
- Uddin, T. M., Chakraborty, A. J., Khusro, A., Zidan, B. R. M., Mitra, S., Emran, T. B., Dhama, K., Ripon, M. K. H., Gajdacs, M., Sahibzada, M. U. K., Hossain, M. J., dan Koirala, N. (2021). Antibiotic resistance in microbes: History, mechanisms, therapeutic strategies and future prospects. *Journal of infection and public health*, 14(12), 1750-1766.
- Van Hofwegen, D. J., Hovde, C. J., dan Minnich, S. A. (2016). Rapid evolution of citrate utilization by *Escherichia coli* by direct selection requires *citT* and *dctA*. *Journal of bacteriology*, 198(7), 1022-1034.
- Velazquez-Meza, M. E., Galarde-López, M., Carrillo-Quiróz, B., dan Alpuche-Aranda, C. M. (2022). Antimicrobial resistance: one health approach. *Veterinary world*, 15(3), 743.
- Wang, D., Ding, X., dan Rather, P. N. (2001). Indole can act as an extracellular signal in *Escherichia coli*. *Journal of bacteriology*, 183(14), 4210-4216.
- Wibisono, F. J., Sumiarto, B., Untari, T., Effendi, M. H., dan Permatasari, D. A., dan Witaningrum, A. M. (2021). Cases of multidrug resistance (MDR) and extended spectrum Beta-lactamase (ESBL) producing *Escherichia coli* from broiler chicken in Blitar, Indonesia. *Biochemical & Cellular Archives*, 21.
- Widodo, A., Lamid, M., Effendi, M. H., Khailrullah, A. R., Kurniawan, S. C., Silaen, O. S., Riwu, K. H. P., Yustinasari, L. R., Afnani, D. A., Dameanti, F. N. A. E. P., dan Ramandinianto, S. C. (2023). Antimicrobial resistance characteristics of multidrug resistance and extended-spectrum beta-lactamase producing *Escherichia coli* from several dairy farms in Probolinggo, Indonesia. *Biodiversitas: Journal of Biological Diversity*, 24(1).
- Williams, K. J., Ward, M. P., dan Dhungyel, O. P. (2015). Daily variations in *Escherichia coli* O157 shedding patterns in a cohort of dairy heifers at pasture. *Epidemiology & Infection*, 143(7), 1388-1397.
- Wirawan, I. M. A., Besung, I. N. K., dan Gelgel, K. T. P. (2024). RESISTANCE OF *ESCHERICHIA COLI* TO ANTIBIOTICS STEPTOMYCIN, KANAMYCIN, AND AMPICILLIN IN BROILER IN PENEDEL DISTRICT, TABANAN BALI. *Buletin Veteriner Udayana*, 528-536.
- World Health Organization (WHO). (2019). *Critically Important Antimicrobials for Human Medicine 6th Revision 2018: Ranking of Medically Important Antimicrobials for Risk Management of Antimicrobial Resistance due to Non-Human Use*. Switzerland: WHO
- World Helath Organization (WHO). (2023). *Antimicrobial Resistance*. Switzerland: WHO
- World Organisation for Animal Health (WOAH). (2025). *WOAH List of Antimicrobial Agents of Veterinary Importance*. Switzerland: WOAH.

- Yang, X., Liu, W., Liu, Y., Wang, J., Lv, L., Chen, X., He, D., Yang, T., Hou, J., Tan, Y., Xing, L., Zeng, Z., dan Liu, J. H. (2014). F33: A-: B-, IncHI2/ST3, and IncI1/ST71 plasmids drive the dissemination of fosA3 and bla CTX- M- 55/- 14/- 65 in *Escherichia coli* from chickens in China. *Frontiers in microbiology*, 5, 688.
- Yang, Z. (2023). Understanding Ampicillin: Mechanism of Action and Clinical Applications. *Journal of Bacteriology and Parasitology*. S22:052.
- Zahid, M. (2022). Penerapan biosekuriti di peternakan untuk pencegahan penularan penyakit mulut dan kuku (PMK). *Buletin Pengujian Mutu Obat Hewan*, 31, 37-5.
- Zhao, X., Zhong, J., Wei, C., Lin, C. W., dan Ding, T. (2017). Current perspectives on viable but non-culturable state in foodborne pathogens. *Frontiers in Microbiology*, 8, 580.
- Zulfikar, Z. (2014). Gambaran Penyakit Infeksius Pada Ternak Sapi Dan Cara Pencegahan. *Lentera: Jurnal Ilmiah Sains dan Teknologi*, 144999.
- Zuroida, R., dan Azizah, R. (2018). Sanitasi kandang dan keluhan kesehatan pada peternak sapi perah di Desa Murukan Kabupaten Jombang. *Jurnal Kesehatan Lingkungan*, 10(4), 434-4