

## DAFTAR PUSTAKA

- Biutifasari, V. 2018. Extended Spectrum Beta-Lactamase (ESBL). *Oceana Biomedicina Journal*, 1(1): 1-11
- Blendinger K. 2007. Physiology and pathology of the estrous cycle of the bitch. *56th Congresso Internazionale Multisala SCIVAC*, 73–77.
- Brander, G.C., Pugh, D.M., Bywater, R.J., Jenkis, W.K. 1991. *Veterinary Applied Pharmacology and Therapeutics. 5th Ed.* London: The English Book Society and Balliere Tindall. 416-450
- Brooks, G.F., J.S.B., M.S.A. 2012. *Mikrobiologi Kedokteran Jawetz, Melnick, & Adelberg Ed. 25.* ECG.
- Case, L.P. 1999. *The Dog: Its Behaviour, Nutrition and Health 1st Edition.* Iowa: Iowa State University Press. 8
- Carter, G.M., Wise, D.J. 2004. *Essentials of Veterinary Bacteriology and Mycology.* Iowa: Blackwell Publishing. 132-135
- Chopra, I., Roberts, M. 2001. Tetracycline Antibiotics: Mode of Action, Applications, Molecular Biology, and Epidemiology of Bacterial Resistance. *Microbiology and Molecular Biology Reviews*, 65(2): 232-260.
- CLSI. 2020. *M100: Performance Standards for Antimicrobial Susceptibility Testing, 30th Edition.* USA: Clinical and Laboratory Standards Institute
- CLSI. 2020. *VET01S: Performance Standards for Antimicrobial Disk and Dilution Susceptibility Tests for Bacteria Isolated From Animals, 5th Edition.* USA: Clinical and Laboratory Standards Institute
- Collingwood, C., Kemmet, K., Williams, N., Wigley, P. 2014. Is The Concept Of Avian Pathogenic *Escherichia Coli* As A Single Pathotype Fundamentally Flawed?. *Frontiers in veterinary science*. 1(5). 1-4.
- Craig, W. 1993. Pharmacodynamics of Antimicrobial Agents as a Basis for Determining Dosage Regimens. *European Journal of Clinical Microbiology and Infectious Disease*, 12(1): 56-58.
- Cinquelpalmi, V., Monno, R., Fumarola, L., Ventrella, G., Calia, C., Greco, M.F., Vito, D.D., Soleo, L. 2013. Environmental Contamination by Dog's Faeces: A Public Health Problem?. *Int. J. Environ. Res. Public Health*, 10: 72-84.
- Cummings, K.J., Aprea, V.A., Altier, C. 2015. Antimicrobial resistance trends among canine *Escherichia coli* isolates obtained from clinical samples in the northeastern USA, 2004–2011. *Canadian Veterinary Journal*, 56(4), 383–398.

- Forbes, B.A., Weissfeld, A.S., Sahm, D.F. 2007. *Laboratory Methods and Strategies for Antimicrobial Susceptibility Testing*. dalam *Bailey & Scott's Diagnostic Microbiology*. Philadelphia: Elsevier. 187-213
- Geddes, A. M., & Gould, I. M. 2010. *Benzylpenicillin (Penicillin G)*. Dalam: Grayson, M. L. (ed). *Kucers' The Use of Antibiotics Sixth Edition*. London: Hodder Arnold. 23-39
- Guardabassi, L., S.S., L.D.H. 2004. Pet animals as reservoirs of antimicrobial-resistant bacteria. *Journal of Antimicrobial Chemotherapy*, 54(2), 321–332.
- Harley, J.P., Prescott, L.M. 2002. *Laboratory Exercises in Microbiology. 5th Ed.* USA: The McGraw-Hill. 258
- Holt, J.G., Krieg, N.R., Sneath, P.H.A., Staley, J.T., William, S.T. 1994. *Bergey's Manual of Determinative Bacteriology 9th Ed.* USA: Williams and Wilkins. 175
- Jo, M.Y. 2004. Prevalence and Characteristics of Escherichia coli O157 From Major Food Animals in Korea. *Int J Food Microbiol*, (95): 41-49.
- Kataria, D., Agnihotri, D., Jain, V. K., Kumar, T. 2020. A prevalence study on dogs suffering from gastroenteritis. *The Pharma Innovation Journal*, 9(2): 176–179.
- Konig, H.E., Liebich, H. 2020. *Veterinary Anatomy of Domestic Animals Textbook and Colour Atlas*. Stuttgart: Thieme Group. 376
- Kotra, L.P., Haddad, J., Mobashery, S. 2000. Aminoglycosides: Perspectives on Mechanisms of Action and Resistance and Strategies to Counter Resistance. *Antimicrob Agents Chemother*, 44: 3249–3256.
- Krause, K.M., Serio, A.W., Kane, T.R., Connolly, L. 2016. Aminoglycosides: An Overview. *Cold Spring Harbor Perspectives in Medicine*, 6(6): 1-18.
- Kumar, P.A. 2008. Bacterial Resistance to Antimicrobial Agents and Microbiological Quality among Escherichia coli Isolated from Dry Fishes in Southeast Coast of India. *Roumanian Biotechnological Letters*, 13(6), 3984–3989.
- Leboffe, M.J., Pierce, B.E. 2011. *A Photographic Atlas for The Microbiology Laboratory 4th Edition*. Morton Publishing. 11-12 80-81 95-96 144-145 223-225
- Levy, S.B. 1998. The Challenge of Antibiotic Resistance. *Scientific American*, 278(3): 46–53.
- Maddison, J.E., S.W. Page, D.B. Church. 2008. *Small Animal Clinical Pharmacology 2nd Ed.* China: Saunders Elsevier. 157
- Manning, S.D. 2010. *Deadly Diseases and Epidemics: Escherichia coli Infection 2nd Ed.* New York: Chelsea Publishers.

- Marchetti, L., Buldain, D., Gortari Castillo, L., Buchamer, A., Chirino-Trejo, M., & Mestorino, N. 2021. Pet and Stray Dogs as Reservoirs of Antimicrobial-Resistant Escherichia coli. *International Journal of Microbiology*, 2021, 1–8.
- Markey, B., Leonard, F., Archambault, M., Cullinane, A., dan Maguire, D. (2013). *Clinical Veterinary Microbiology*. USA: Mosby Elsevier. 243-246, 272
- Marks, S.L., Kather, E.J. 2003. Bacterial-Associated Diarrhea in the Dog: a Critical Appraisal. *The Veterinary Clinics Small Animal Practice*, (33): 1029-1060.
- Mazurek, S., Wielgosz, M., Caputa, J., Fraczek, R., Karwatowski, M., Grzeszczyk, J., Lukasik, D., Smiech, A., Russek, P., Jamro, E., Dabrowska-Boruch, A., Pietron, M., Koryciak, S., & Wiatr, K. 2022. Canine age classification using Deep Learning as a step toward preventive medicine in animals. *Proceedings of the 17th Conference on Computer Science and Intelligence Systems, FedCSIS 2022*, 169–172.
- Merchant, I.A., Packer, R.A. 1961. *Veterinary Bacteriology and Virology*. Iowa: Iowa State University Press.
- Mitchell, M.A. 2006. Enrofloxacin. *Journal of Exotic Pet Medicine*, 15: 66–69.
- Mund, M.D., Khan, U.H., Tahir, U. Mustafa, B.E., Fayyaz, A. 2017. Antimicrobial Drug Residues in Poultry Products and Implication on Public Health: A Review. *International Journal of Food Properties*, 20(7): 1433-1446.
- Mohammed, S. J., Al-Musawi, A. T., Al-Fraji, A. S., dan Kareem, H. S. (2022). Comparison of three culture media in assessing the sensitivity of antibiotics to common foodborne microorganisms. *Journal of Medicine and Life*, 15(5): 645-649.
- Moon, D.C., Choi, J.H., Bobby, N., Kang, H.Y., Kim, S.J., Song, H.J., Park, H.S., Gil, M.C., Yoon, S.S., Lim, S.K. 2022. Bacterial Prevalence in Skin, Urine, Diarrheal Stool, and Respiratory Samples from Dogs. *Microorganisms*, 10(8). 1668.
- Neu, H.C., Gootz, T.D. *Antimicrobial Chemotherapy*. Dalam Baron, S., *Medical Microbiology*. (4th ed.). Texas: University of Texas Medical Branch. Ch 11
- Nelson, M.L., Levy, S.B. 1999. Reversal of Tetracycline Resistance Mediated by different Bacterial Tetracycline Resistance Determinants by an Inhibitor of the Tet(B) Antiport Protein. *Antimicrobial Agents and Chemotherapy*, 43: 1719-1724.
- Neuner, E.A., Gallagher, J.C. 2017. Pharmacodynamic and Pharmacokinetic Considerations in the Treatment of Critically Ill Patients Infected With Carbapenem-Resistant Enterobacteriaceae. *Virulence*, 8(4): 440-452.
- Qekwana, D.N., Phophi, L., Naidoo, V., Oguttu, J.W., Odoi, A. 2018. Antimicrobial resistance among Escherichia coli isolates from dogs presented with urinary tract

- infections at a veterinary teaching hospital in South Africa. *BMC Veterinary Research*, 14(1): 228.
- Papadopoulou, C., Xylouri, E. 1988. An Assessment of Rappaport-Vassiliadis Medium Based on Growth Kinetics. *Journal of Food Protection*, 52(4): 252-253.
- Parashar, U.D., Hummelman, E.G., Bresee, J.S., Miller, M.A., Glass, R.I. 2003. Global Illness and Deaths Caused by Rotavirus Disease In Children. *Emerg Infect Dis*, 9(5): 565-572.
- Pelczar, M.J., Chan, E.G.S. 1988. *Dasar-dasar Mikrobiologi*. Jakarta: Penerbit Universitas Indonesia. 809-811.
- Pham, T.D.M., Ziora, Z.M., Blaskovich, M.A.T. 2019. Quinolone Antibiotics. *MedChemComm*, 10(10): 1719-1737.
- Purnomo, H., Setyorini, I. 2017. Komputasional Derivat Penisilin yang Tahan Asam dan Tahan Enzim Beta Laktamase. *Majalah Farmaseutik*, 13(2): 95-100.
- Rahayu, W.P., Nurjanah, S., Komalasari, E. 2018. *Escherichia coli: Patogenitas, Analisis dan Kajian Risiko*. Bogor: IPB Press. 23-24 26 46-48
- Raynor, B.D. 1997. Peicillin and Ampicillin. *Primary Care Update for OB/GYNS*, 4(4): 147-152.
- Reed, M.D. 2000. Optimal Antibiotic Dosing. The Pharmacokinetic-Pharmacodynamic Interface. *Postgraduate Medicine*, 108(7): 17-24.
- Ritchie, L.E., Steiner, J.M., Suchodolski, J.S. 2008. Assessment of Microbial Diversity Along the Feline Intestinal Tract Using 16S rRNA Gene Analysis. *FEMS Microbiol Ecol*, (66): 590-598.
- Romich, J.A. 2011. *Fundamentals of Pharmacology for Veterinary Technicians 2nd Ed*. USA: Denmark Cengage Learning. 373-392.
- Shrestha P, Cooper, B.S., Coast, J., Oppong, R., Thuy, N.D.T., Phodha, T., Celhay., Guerin, P.J., Wertheim, H., Lubell, Y. 2018. Enumerating the economic cost of antimicrobial resistance per antibiotic consumed to inform the evaluation of interventions affecting their use. *Antimicrob Resist Infect Control* 17(1): 98-107.
- Siswandono. 2016. *Kimia Medisinal Edisi Kedua*. Surabaya: Airlangga University Press. 124
- Suchodolski, J.S., Camacho, J., Steiner, J.M. 2008. Analysis of Bacterial Diversity In the Canine Duodenum, Jejunum, Ileum, and Colon by Comparative 16S rRNA Gene Analysis. *FEMS Microbiol Ecol*, (66): 567-578.
- Sundman, A. 2019. *Dog behaviour: Intricate Picture of Genetics, Rpiogenetics, and Human-Dog Relations*. Sweden: LiU Linköping University. 4

- Swanson, K.S., Dowd, S.E., Suchodolski, J.S., Middelbos, I.S., Vester, B.M., Barry, K.A., Nelson, K.E., Torralba, M., Henrissat, B., Coutinho, P.M., Cann, I.K.O., White, B.A., Fahey Jr, G.C. 2011. Phylogenetic and Gene-Centric Metagenomics of the Canine Intestinal Microbiome Reveals Similarities With Humans And Mice. *ISME J*, (5): 639-649.
- Tillotson, G.S. 1996. Quinolones: Structure-Activity Relationships and Future Predictions. *J. Med. Microbiol.*, 44: 320-324.
- Torres, A.G. 2010. Pathogenic Escherichia coli in Latin America. USA: Bentham Science Publishers. 1-3
- Triono, A.A., Purwoko, A.E. 2012. Efektifitas Antibiotik Golongan Sefalosporin dan Kuinolon terhadap Infeksi Saluran Kemih. *Mutiara Medika*, 12(1): 6-11.
- Trouchon, T., Lefebvre, S. 2016. A Review of Enrofloxacin for Veterinary Use. *Open Journal of Veterinary Medicine*, 6: 40-58
- Vijayakumar, P., Xavier, F., Amil, L. 2006. Housing Management Practices of Pet Dogs in Central Kerala. *Indian Journal of Animal Research*, 40(1): 73-75.
- Washabau, R.J., Day, M.J. 2013. *Canine and Feline Gastroenterology*. Missouri: Elsevier.32
- Wedley, A. L., Maddox, T. W., Westgarth, C., Coyne, K. P., Pinchbeck, G. L., Williams, N. J., & Dawson, S. 2011. Prevalence of antimicrobial-resistant Escherichia coli in dogs in a cross-sectional, community-based study. *Veterinary Record*, 168(13), 354–354.
- Yang, X., Wang, H. 2014. *Pathogenic E. coli*. Alberta: Lacombe Research Centre. 10
- Yenny, Herwana, E. 2007. Resistensi dari Bakteri Enterik : Aspek Global terhadap Antimikroba. *Universa Medicina*, 26(1): 47-55.
- Yousif Afaf Abdulrahman, Hasan Mustafa Salah, & Alwan Mohammad J. (2016). Clinical and molecular study of E. coli O157:H7 isolated from Diarrheic and non diarrheic dogs. *MRVSA*, 5(2), 1–10.