

DAFTAR PUSTAKA

- Abulreesh, H.H. 2012. *Salmonella* in the environment, in *Salmonella—distribution, adaptation, control measures and molecular technologies. Intech Open*, United Kingdom : 19–50. doi: 10.5772/28201.
- Agustin, A.L.D., & Ningtyas, N.S.I. 2022. Resistensi *Escherichia coli* Terhadap Berbagai Macam Antibiotik pada Pasien Kucing Rumah Sakit Hewan Pendidikan Universitas Pendidikan Mandalika. *Media Kedokteran Hewan*, 33(2), 63–71. <https://doi.org/10.20473/mkh.v33i2.2022.63-71>
- Alcaine, S.D., Warnick, L.D., Wiedmann M. 2007. Antimicrobial resistance innontyphoidal *Salmonella*. *J Food Prot.* 70(3):780–790.
- Ariyanti, T. & Supar. 2008. Antigenisitas dan imunogenisitas *Salmonella enteritidis*: implikasinya dalam diagnosis dan pengembangan vaksin isolat lokal untuk unggas. *Wartazoa*. 18:187-197.
- Aryal, S. 2022. Xylose Lysine Deoxycholate (XLD) Agar- Principle, Uses, Composition, Preparation and Colony Characteristics.(Internet). <<https://microbiologyinfo.com/xylose-lysine-deoxycholate-xld-agar-principle-uses-composition-preparation-and-colony-characteristics/>>. (Diakses 18 Juli 2023).
- Astuty, A.T.J.E., Tjahajati, I., Nugroho, W.S. 2020. Detection of feline idiopathic cystitis as the cause of feline lower urinary tract disease in Sleman Regency, Indonesia. *Veterinary World*, 13(6): 1108-1112.
- Awosile, B.B., McClure, J.T., Saab, M.E., & Heider, L.C. 2018. Antimicrobial resistance in bacteria isolated from cats and dogs from the Atlantic Provinces, Canada from 1994-2013. *Canadian Veterinary Journal* 59(0): 885-893.
- Bangol, I., L. I. Momuat., dan M. Kumaunang. 2014. Barcode DNA Tumbuhan Pangi (*Pangium edule*). Berdasarkan Gen matK. *Jurnal MIPA UNSRAT ONLINE*, 3 (2): 113-119.
- Bataller, E., Romero, E.G., Llobat, L, Lizana, V., Trigos, E.J., 2020. Dogs as a source of *Salmonella spp.* in apparently healthy dogs in the Valencia Region. Could it be related with intestinal lactic acid bacteria?. *BMC Veterinary Reseach* 16 : 268.
- Baumler, A.J., Heffron. F., and Reissbrodt, R. 1997. Rapid Detection of *Salmonella enterica* with Primers Specific for *iroB*. *Journal Of Clinical Microbiology Vol. 35*, No. 5 p. 1224–1230.

- Bearson, S.M., Bearson, B.L., Rasmussen, M.A. 2006. Identification of *Salmonella enterica* serovar Typhimurium genes important for survival in the swine gastric environment. *J Appl Environ Microbiol.* 72:2829–2836.
- Brenner, F. W., Villar, R. G., Angulo, F. J., Tauxe, R., dan Swaminathan, B. 2000. *Salmonella nomenclature*. *J. Clin. Microbiol.* 38 : 2465-2467.
- Castro, K.M.N., Munos, E.T., Garcia, G.M, Ramirez, J.C.H., Valencia, G.L., Basulto, G.E.M., Manriquez, L.C.P., and Evangelista, T.B.R. 2019. Prevalence, risk factors, and identification of *Salmonella spp.* in stray dogs of northwest Mexico. *Austral J Vet Sci* 51, 37-40.
- [CFSPH] Center for Food Security and Public Health. 2003. Non-Typhoidal Salmonellosis. Iowa (USA): Iowa State University College of Veterinary Medicine Ames Iowa.
- Claudi, B., Spröte, P, Chirkova, A., Personnic, N., Zankl, J., Schürmann, N., Schmidt, A., Bumann, D. 2014. Phenotypic variation of *Salmonella* in host tissues delays eradication by antimicrobial chemotherapy. *Cell.* 158(4):722–733. (internet). < [http://doi.org/ urn. doi:10.1016/j.cell.2014.06.045](http://doi.org/urn.doi:10.1016/j.cell.2014.06.045)>. (diunduh 19 Juli 2018)
- Crump, JA., Sjölund-Karlsson, M., Gordon, MA., Parry, CM. 2015. Epidemiology, clinical presentation, laboratory diagnosis, antimicrobial resistance, and antimicrobial management of invasive *Salmonella* infections. *Clin Microbiol Rev.* doi: 10.1128/CMR.00002-15.
- Cuypers, W.L., Jacobs, J., Wong, V., Klemm, E.J., Deborggraeve, S., VanPuyvelde, S. 2018. Fluoroquinolone resistance in *Salmonella*: Insights by whole-genome sequencing. *Microb. Genom.*, 4, e000195.
- De Almeida, P.M.P., Arais, L.R., Andrade, J.R.C., Prado, E.H.R.B., Irino, K., and Cerqueira, A.M.F. 2012. Characterization of atypical Enteropathogenic *Escherichia coli* (aEPEC) isolated from dogs. *Vet Microbiol.* 158 (3– 4): 420-424.
- Degi, J., Imre, K., Herman. V., Bucur, I., Radulov, I., Petrec, O.C., and Cristina, R.T. 2021. Antimicrobial Drug-Resistant *Salmonella* in Urban Cats: Is There an Actual Risk to Public Health?. *Antibiotics* 2021, 10, 1404.
- Denise, M.M., Anne, M., Stanley, F. 2004. Persistent bacterial infections: the interface of the pathogen and the host immune system. *Nat Rev Microbiol.* 2:747–765.

- Dharmayanti, N.L.P.I. 2011. Filogenetika molekuler: metode taksonomi organisme berdasarkan sejarah evolusi. *WARTAZOA*. 21(1): 1-9.
- [Ditjennak] Direktorat Jenderal Peternakan. 2017. Kebijakan dan strategi pengendalian resistensi antimikroba di sektor peternakan dan kesehatan hewan. Disampaikan pada Ildex Indonesia 201. Jakarta, 19 Oktober 2017
- European Food Safety Authority (EFSA). 2018 .The European Union summary report on trends and sources of zoonoses, zoonotic agents and foodborne outbreaks in 2017. <<https://efsa.onlinelibrary.wiley.com/doi/epdf/10.2903/j.efsa.2018.5500>>. (Diakses 16 Sept 2022).
- European Food Safety Authority and European Centre for Disease Prevention and Control (EFSA and ECDC). 2021. The European Union One Health 2020 Zoonoses Report. *EFSA J*. 19, 6971.
- Estoepangestie, A.T.S., Anggita, F.A., Setiawan, B. 2014. Gambaran Resistensi Antibiotika Kuman Salmonella sp yang Diisolasi dari Daging Sapi. *Veterinaria Medika* Vol 7, No. 1 . Hal 67-72
- Fatchiyah., E. L., Tyas, S., Widyarti, dan S. Wahyuni. 2011. *Biologi Molekular: Prinsip Dasar Analisis*. Erlangga, Jakarta.
- Fernández, J., Guerra, B., Rodicio, M.R. 2018. Resistance to Carbapenems in Non-Typhoidal Salmonella enterica Serovars from Humans, Animals and Food. *Vet. Sci.*, 5, 40.
- Fookes, M., Schroeder, G.N., Langridge, G.C., Blondel, C.J., Mammina, C., *et al*. 2011. Salmonella bongori Provides Insights into the Evolution of the Salmonellae. *PLoS Pathog* 7(8): e1002191. doi:10.1371/journal.ppat.1002191
- Foley, S.L, Lynne, A.M. 2008. Food animal-associated *Salmonella* challenges: pathogenicity and antimicrobial resistance. *J Anim Sci*. 86(14):173–187.b
- Ganesan, V., Harish, B. N., Menezes, G. A, and Parija, S.C. 2014. Detection of *Salmonella* in blood by PCR using *iroB* gene. *J. Clin. Diagn. Res. JCDR*. 8, DC01–DC03.
- Guilfoile, P.G. 2007. Antibiotic Resistant Bacteria. Chelsea House Pub., New York.

- Hidayat, T. dan Pancoro, A. 2008. Kajian Filogenetika Molekuler dan Peranannya dalam Menyediakan Informasi Dasar untuk Meningkatkan Kualitas Sumber Genetik Anggrek. *Jurnal AgroBiogen*. 4(1):35-40.
- Hantke, K., Nicholson, G., Rabsch, W., Winkelmann, G. Salmochelins. 2003. Siderophores of *Salmonella enterica* and uropathogenic *Escherichia coli* strains, are recognized by the outer membrane receptor *IroN*. *Proc. Natl. Acad. Sci.* Vol. 100, 3677–3682.
- House, D., Bishop, A., Parry, C.M., Dougan, G., Wain, J. 2001. Typhoid fever: pathogenesis and disease. *Curr Opin infect Dis*. 14:573–578.
- Hur, J., C. Jawale, and Lee, J.H. 2012. Antimicrobial resistance of Salmonella isolated from food animals: A review. *Food. Res. Int.* 45(2):819-830.
- Hutasoit, K. T., Rastina, dan Mahdi A. 2017. Deteksi Salmonella enterica Serovar Enteritidis Pada Telur Ayam Buras Dari Warung Kopi Di Kecamatan Syiah Kuala Banda Ace. *JIMVET*. 02(1): 247-247.
- Jajere, S.M, Onyilokwu, S.A., Adamu, N.B., Atsanda, N.N., Saidu, A.S., *et al.* 2014. *Prevalence of salmonella infection in dogs in Maiduguri, northeastern Nigeria*. *Int J Microbiol* 2014, 392548.
- Jawetz, E., dkk. 1995. Mikrobiologi Untuk Profesi Kesehatan edisi 16, 299-303, Penerbit Buku Kedokteran EGC, Jakarta.
- Jay, J.M.M.J., Loessner, dan Golden, D.A. 2005. *Modern Food Microbiology*
- Kataria, D., Agnihotri, D., Jain, V. K., & Kumar, T. 2020. *A prevalence study on dogs suffering from gastroenteritis*. 9(2), 176–179.
- Kim, H.J., Park, S.H & Kim, H.Y. 2006. Genomic sequence comparison of Salmonella enterica serovar Typhimurium LT2 with Salmonella genomic sequences, and genotyping of salmonellae using PCR. *Appl Environ Microb* 72: 6142–6151.
- Kress, W.J., Prince, L.M. & Williams, K.J. 2002. The phylogeny and a new classification of the gingers (Zingiberaceae): evidence from molecular data, *Ann. J. Bot.* 89, 1682-1696
- Leonard, E.K., Pearl, D.L., Finley, R.L., Janecko, N., Peregrine, A.S., Reid-Smith, R.J., Weese, J.S. 2011. Evaluation of pet-related management factors and the risk of Salmonella spp. carriage in pet dogs from volunteer households in Ontario (2005-2006). *Zoonoses Public Health* 58:140 –149

- Leonard, F. 2014. *Salmonella infection and carriage: the importance of dogs and their owners*. Vet. Rec. 174, 92–93.
- Li, Y., Fernández, R., Durán, I., Molina-López, R.A., and Darwich L 2021 Antimicrobial Resistance in Bacteria Isolated From Cats and Dogs From the Iberian Peninsula. Front. Microbiol. 11:621597. doi: 10.3389/fmicb.2020.621597
- Lin, D., Yan, M., Lin, S., dan Chen, S. 2014. Increasing prevalence of hydrogen sulfide negative *Salmonella* in retail meats. Food Microbiology Journal. 2014; 43:1–4
- Loisa., Lukman, D.W., Latif, H. 2016. Resistensi *Salmonella* spp. terhadap beberapa antibiotik pada daging itik di kabupaten bogor yang dapat memengaruhi kesehatan konsumen. Jurnal Kedokteran Hewan. 10:115-120.
- Mahmood, T., Abbas, M., Ilyas, S., Fzal, N., Nawaz, R. 2016. Quantification of fluorokuinolon (enrofloxacin, norfloxacin and ciprofloxacin) residues in cow milk. IJCBS. 10:10-15.
- Marks, S.L., Rankin, S.C., Byrne, B.A., Weese, J.S. 2011. Enteropathogenic bacteria in dogs and cats: diagnosis, epidemiology, treatment, and control. J Vet Intern Med.;25(6):1195–208.
- Maulana, I. 2011. Identifikasi Isolat-Isolat Khamir dari Saluran Pencernaan *Apis cerana* (Fabricus,1793) di Apiari Berdasarkan Data *Sequence* Daerah ITS rDNA. *Skripsi*. Departemen Biologi Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Indonesia, Depok.
- Melati, R. P., Nurjanah, S., dan Rahayu, W.P. 2022. Desain Primer Gen Virulensi *invA* untuk Identifikasi dan Sekuensing *Salmonella* pada Sampel Karkas Ayam. Jurnal Ilmu Produksi dan Teknologi Hasil Peternakan 10 (2): 91-97.
- Molbak, K. 2005. Human Health Consequences of Antimicrobial Drug-Resistant *Salmonella* and Other Foodborne Pathogens. 2005. *Clin Infect Dis*. 41:1613–1620.
- Mthembu, T.P., Zishiri, O.T., and El Zowalaty, M.E. 2019. Detection and Molecular Identification of *Salmonella* Virulence Genes in Livestock Production Systems in South Africa. *Pathogens*. Aug 9;8(3):124.
- [OIE] Office Internationale des Epizooties. 2018. OIE list of antimicrobials of veterinary importance (Internet).

https://www.oie.int/fileadmin/Home/eng/Our_scientific_expertise/docs/pdf/AMR/A_OIE_List_antimicrobials_May2018.pdf. (diakses 20 Juni 2023).

- Patwardhan, A., Ray, S. & Roy, A. 2014. Molecular markers in phylogenetic studies – A review, *Phylogenetics and Evolutionary Biology* 2(2), 1-9. DOI:10.4172/2329-9002.1000131.
- Pham, O. H., & McSorley, S. J. 2015. Protective host immune responses to *Salmonella* infection. *Future microbiology*.10(1),101-110.
- Pinem, U., Hamdan, dan Hanafi, N.D. 2015. Estimasi jarak genetik dan faktor peubah pembeda rumpun kelinci melalui analisis morfometrik. 2(3): 264-284.
- Poeloengan, M., Komala, I., Noor, S.M. 2006. Bahaya *Salmonella* Terhadap Kesehatan. Lokakarya Nasional Penyakit Zoonosis. Bogor (ID):Balitvet. (Internet).<<http://peternakan.litbang.deptan.go.id/fullteks/lokakarya/lkzo05-34.pdf>> (diakses 20 Juni 2023)
- Polpakdee, A., Angkititrakul, S., Suksawat, F., Sparagano, O., and Kanistawon, K. 2012. Epidemiology and Antimicrobial Resistance of *Salmonella* sp. Isolates from Dogs dan Cats in Northeastern Thailand. *Journal of Animal and Veterinary Advances*. 11 (5): 618-621.
- Quimby, J., Gowland, S., Carney, H.C., DePorter, T., Plummer, P., and Westropp, J. 2021. *J Am Anim Hosp Assoc* 2021; 57:51–72. DOI 10.5326/JAAHA-MS-7189.
- Rachakonda, S., Cartee, L. 2004. Challenges in antimicrobial drug discovery and the potential of nucleoside antibiotics. *Curr Med Chem*. 11:775–793.
- Reimschuessel, R., Grabenstein, M., Guag, J., Nemser, S.M., Song, K., Qiu, J., Clothier, K.A., Byrne, B.A., Marks, S.L., Cadmus, K., Pabilonia, K., Sanchez, S., Rajeev, S., Ensley, S., Frana, T.S., Jergens, A.E., Chappell, K.H., Thakur, S., Byrum, B., Cui, J., Zhang, Y., Erdman, M.M., Rankin, S.C., Daly, R., Das, S., Ruesch, L., Lawhon, S.D., Zhang, S., Baszler, T., Diaz- Campos, D., Hartmann, F., Okwumabua, O. 2017. Multilaboratory survey to evaluate *Salmonella* prevalence in diarrheic and nondiarrheic dogs and cats in the United States between 2012 and 2014. *J Clin Microbiol* 55:1350–1368.
- Resendiz-Nava, C., Y. Esquivel-Hernandez, A., Alcaraz-Gonzalez, P., Castaneda-Serrano., & G. M. Nava. 2019. PCR assays based on *invA* gene

- amplification are not reliable for *Salmonella* detection. *Jundishapur Journal of Microbiology*. 12(2). doi: 10.5812/JJM.68764.
- Rini, A. W. 2017. Isolasi dan Identifikasi Khamir Toleran Alkohol dari Molasses. *Skripsi*. Jurusan Biologi Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Jember, Jember.
- Rodriguez, A., Pangloli, P., Richards, H.A., Mount, J.R., Draughon, F.A. 2006. Prevalence of *Salmonella* in diverse environmental farm samples. *J Food Prot*. 69(11):2576–2580.
- Sakano, C., Kuroda, M., Sekizuka, T., Ishioka, T., Morita, Y., Ryo, A., Tsukagoshi, H., Kawai, Y., Inoue, N., Takada, H., Ogaswara, Y., Nishina, A., Shimoda, M., Kozawa, K., Oishi, K. and Kimura, H. 2013. Genetic Analysis of Non-Hydrogen Sulfide-Producing *Salmonella enterica* Serovar Typhimurium and *S. enterica* Serovar Infantis Isolates in Japan. *American Society for Microbiology, Journal of Clinical Microbiology* Volume 51 Issue 1. 328 – 330.
- Sambrook, J. dan D. W. Russell. 2001. *Molecular Cloning: A Laboratory Manual*. 3rd Edition. Cold Spring Harbor Laboratory Press, New York.
- Sanchez-Vargas, F.M., Abu-El-Haija, M.A., Gomez-Duarte, O.G. 2011. Salmonella infections: an update on epidemiology, management, and prevention. *Travel Med Infect Dis* 9:263–277
- Sefton, A.M. 2002. Mechanisms of antimicrobial resistance. *Drugs*. 62(4):557–566.
- Shrestha P, Cooper, B. S., Coast, J., Oppong, R., Thuy, N. D. T., Phodha, T., Celhay., Guerin, P. J., Wertheim, H., dan 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. <https://doi.org/10.1186/s13756-018-0384-3>
- Silalahi, G.E., Tjahajati, I; Nugroho, W.S. 2022. Survei Helminthiasis pada Anjing DI Daerah Istimewa Yogyakarta. *Actavetindones*, special issue: 49-53, October 2022.
- Sulandari, S. dan M. S. A. Zein., 2003. *Panduan Praktis Laboratorium DNA*. Bidang Zoologi Pusat Penelitian Biologi-LIPI, Bogor.
- Sjafaraenan, Lolodatu, H., Johannes, E., Agus R. dan Sabran, A. 2018. Profil dna gen follicle stimulating hormone reseptor (fshr) pada wanita akne dengan

- teknik pcr dan sekuensing dna. *BIOMA: JURNAL BIOLOGI MAKASSAR*. 3 (1): 1-11.
- Srisanga, S., Angkititrakul, S., Sringam, P., Ho, P.T.L., Vo, A.T.T., Chuanchuen, R. 2017. Phenotypic and genotypic antimicrobial resistance and virulence genes of *Salmonella enterica* isolated from pet dogs and cats. *J Vet Sci* 2017, 18(3), 273-281
- Thomas, J., Slawson, R., Taylor, W. 2013. *Salmonella* serotype diversity and seasonality in urban and rural streams. *J. Appl. Microbiol* 114, 907–922.
- Trouchon, T. dan Lefebvre, S. 2016. A Review of enrofloxacin for veterinary use. *Open J Vet Med*. 6:40-58.
- Wales, A., Davies, R.H., Barrow, P.A., Methner, U. 2013. Environmental aspects of *Salmonella* in domestic animals, Wallingford, UK. p 399–425.
- Warsiki, E., Mulyorini, R., dan Roseiga, R. A. 2016. Media Berindikator Warna Sebagai Pendeteksi *Salmonella typhimurium* Colored Indicator Media As *Salmonella typhimurium* Detector. *Jurnal Teknologi Industri Pertanian*. 26(3): 276-283.
- Wei, L., Yang, C., Shao, W., Sun, T., Wang, J., Zhou, Z., Chen, C., Zhu, A., Pan, Z. 2020. *Pchenrevalence and Drug Resistance of Salmonella in Dogs and Cats in Xuzhou, China*. *J. Vet. Res.*, 64, 263–268.
- Wei, Z., Wang, J., Zhu, L., Wang, J., Zhu, G. 2018. Toxicity of enrofloxacin, copper and their interactions on soil microbial populations and ammonia-oxidizing archaea and bacteria. *Sci Rep*. 8:5828. doi: 10.1038/s41598-018-24016-8.
- [WHO] World Health Organization. 2016. *Salmonella (nontyphoidal)* (Internet). <<http://www.who.int/mediacentre/factsheets/fs139/en/>>. (diunduh 8 September 2022).
- Wright, G.D. 2005. Bacterial resistance to antibiotics: enzymatic degradation and modification. *Adv Drug Deliv Rev*. 57:1451–1470.
- Wu, F., Xu, X., Xie, J., Yi, S., Wang, J., Yang, X., et al. 2016. Molecular Characterization of *Salmonella enterica* Serovar Aberdeen Negative for H2S Production in China. *PLoS ONE* 11(8): e0161352. doi:10.1371/journal.pone.0161352
- Yanuartono. 2008. Monitoring Penggunaan Amoksisilin, Ampisilin, dan Kloramfenikol pada Kucing di Rumah Sakit Hewan-Fakultas Kedokteran

Hewan Universitas Gadjah Mada Tahun 2005-2007. *Jurnal Sains Veteriner* 26(2):102-107.

Yukawa, S., Uchida, I., Tamura, Y., Ohshima, S., Hasegawa, T 2019. Characterisation of antibiotic resistance of Salmonella isolated from dog treats in Japan. *Epidemiology and Infection* 147, e102, 1–6. <https://doi.org/10.1017/S0950268819000153>.

Yousif, A.A., Hasan, M.S., and Alwan, M.J. 2016. Clinical and molecular study of E. coli O157:H7 isolated from Diarrheic and non-diarrheic dogs. *MRVSA*. 5(2): 1-10. Culp, W.T.N.

Zenad, M.M., Al-Obaldi, Q.T., Al-Tabili, M.A. 2014. Prevalence of Salmonella species in stray cats in Mosul City, Iraq. *Online J Anim Feed Res* 4:4.

Zein, M. S. dan D. M. Prawiradilaga. 2013. *DNA Barcode Fauna Indonesia*. Prenada Media, Jakarta.

Zishiri, O.T., Mkhize, N., & Mukaratirwa, S. 2016. Prevalence of virulence and antimicrobial resistance genes in Salmonella spp. isolated from commercial chickens and human clinical isolates from South Africa and Brazil. *Onderstepoort Journal of Veterinary Research* 83(1), a1067.