

DAFTAR PUSTAKA

- 1 Sodagari HR, Wang P, Robertson I, Habib I, Sahibzada S. Non-typhoidal Salmonella at the human-food-of-animal-origin interface in Australia. *Animals* 2020; **10**: 1–33.
- 2 Majowicz SE, Musto J, Scallan E, Angulo FJ, Kirk M, O'Brien SJ *et al.* The global burden of nontyphoidal salmonella gastroenteritis. *Clin. Infect. Dis.* 2010; **50**: 882–889.
- 3 Kementerian Kesehatan Republik Indonesia. *Profil Kesehatan Indonesia Tahun 2011*. 2012.
- 4 Kemenkes RI. Situasi diare di Indonesia. *J Bul Jendela Data Inf Kesehat* 2011; **2**: 1–44.
- 5 DuPont HL. Acute infectious diarrhea in immunocompetent adults. *N Engl J Med* 2014; **370**: 1532–1540.
- 6 WHO | Diarrhoea. *WHO* 2016.<http://www.who.int/topics/diarrhoea/en/> (accessed 11 Jul2020).
- 7 Sazawal S, Hiremath G, Dhingra U, Malik P, Deb S, Black RE. Efficacy of probiotics in prevention of acute diarrhoea: a meta-analysis of masked, randomised, placebo-controlled trials. *Lancet Infect Dis* 2006; **6**: 374–382.
- 8 Bacterial Infections of the Gastrointestinal Tract | Microbiology. <https://courses.lumenlearning.com/microbiology/chapter/bacterial-infections-of-the-gastrointestinal-tract/> (accessed 31 Jan2021).
- 9 Kemenkes RI. Buku Saku Petugas Kesehatan Lintas Diare. *Dep Kesehat RI, Direktorat Jendral Pengendali Penyakit dan Penyehatan Lingkungan* 2011; : 1–40.
- 10 Kementerian Kesehatan Republik Indonesia. *PROFIL KESEHATAN INDONESIA TAHUN 2019*. KEMENTERIAN KESEHATAN RI, 2019www.kemkes.go.id.
- 11 Bielecka M. Probiotics in food. *Chem Funct Prop Food Components, Third Ed* 2006; : 413–426.
- 12 Sinkiewicz G. *Lactobacillus reuteri in health and disease*. 2010.
- 13 Liu Y, Tran DQ, Rhoads JM. Probiotics in Disease Prevention and Treatment. *J Clin Pharmacol* 2018; **58**: S164–S179.

- 14 Bermudez-Brito M, Plaza-Díaz J, Muñoz-Quezada S, Gómez-Llorente C, Gil A. Probiotic mechanisms of action. *Ann Nutr Metab* 2012; **61**: 160–174.
- 15 Martín R, Miquel S, Ulmer J, Kechaou N, Langella P, Bermúdez-Humarán LG. Role of commensal and probiotic bacteria in human health: A focus on inflammatory bowel disease. *Microb Cell Fact* 2013; **12**: 1–11.
- 16 Mu Q, Tavella VJ, Luo XM. Role of *Lactobacillus reuteri* in human health and diseases. *Front Microbiol* 2018; **9**: 1–17.
- 17 Juffrie M, Basrowi R, Chairunita C. Saluran Cerna yang Sehat : Anatomi dan Fisiologi. 2018.
- 18 Bardakjian BL. Gastrointestinal system. *Biomed Imaging* 2010; **2**: 6-1-6–13.
- 19 Fallis A. Moore - *Clinically Oriented Anatomy 7th Ed.* 2014 doi:10.1017/CBO9781107415324.004.
- 20 Rosenberg E, DeLong EF, Thompson F, Lory S, Stackebrandt E. The prokaryotes: Human microbiology. *Prokaryotes Hum Microbiol* 2013; : 1–554.
- 21 Carding S, Verbeke K, Vipond DT, Corfe BM, Owen LJ. Dysbiosis of the gut microbiota in disease. *Microb Ecol Heal Dis* 2015; **26**. doi:10.3402/mehd.v26.26191.
- 22 Disease Listing, Foodborne Illness, General Information | CDC Bacterial, Mycotic Diseases. https://web.archive.org/web/20110303025929/http://www.cdc.gov/ncidod/dbmd/diseaseinfo/foodborneinfections_g.htm (accessed 31 Jan2021).
- 23 DORLAND. *dorland's illustrated medical dictionary 32nd edition.* 32nd ed. 2011.
- 24 Daniel Murrell M. Gastrointestinal Infection: Symptoms, Causes, and Treatment. 2018.
- 25 Zheng J, Wittouck S, Salvetti E, Franz CMAP, Harris HMB, Mattarelli P *et al.* A taxonomic note on the genus *Lactobacillus*: Description of 23 novel genera, emended description of the genus *Lactobacillus* beijerinck 1901, and union of *Lactobacillaceae* and *Leuconostocaceae*. *Int J Syst Evol Microbiol* 2020; **70**: 2782–2858.

- 26 Groves N. Curli fimbriae of Salmonella Typhimurium induce an immune response in chickens producing IgY detectable in serum and yolk . 2017.
- 27 Gart E V., Suchodolski JS, Welsh TH, Alaniz RC, Randel RD, Lawhon SD. Salmonella typhimurium and multidirectional communication in the gut. *Front Microbiol* 2016; **7**: 1–18.
- 28 Sri Rezeki S. Hadinegoro. Demam Tifoid pada Anak. *Univ Diponegoro* 2013.
- 29 What is Salmonella? | Facts | yourgenome.org. <https://www.yourgenome.org/facts/what-is-salmonella> (accessed 31 Jan2021).
- 30 Toxicity | Definition of Toxicity by Merriam-Webster. <https://www.merriam-webster.com/dictionary/toxicity> (accessed 31 Jan2021).
- 31 Tuin A, Huizinga-Van Der Vlag A, Van Loenen-Weemaes AMMA, Meijer DKF, Poelstra K. On the role and fate of LPS-dephosphorylating activity in the rat liver. *Am J Physiol - Gastrointest Liver Physiol* 2006; **290**: 377–385.
- 32 Kintz E, Heiss C, Black I, Donohue N, Brown N. crossm Salmonella enterica Serovar Typhi. 2017; **85**: 1–10.
- 33 Rudolph JA, Rufo PA. 394 Diarrhea. *Most* 2007; : 394–401.
- 34 Hoffmann S, Batz MB, Morris JG. Annual cost of illness and quality-adjusted life year losses in the united states due to 14 foodborne pathogens. *J Food Prot* 2012; **75**: 1292–1302.
- 35 Jonathan R Kurtz, J. Alan Goggins and JBM. Salmonella infection: interplay between the bacteria and host immune system. *Dis Swine* 2017. doi:10.1016/j.imlet.2017.07.006.
- 36 de Weirdt R, Crabbé A, Roos S, Vollenweider S, Lacroix C, van Pijkeren JP *et al*. Glycerol supplementation enhances *L. reuteri*'s protective effect against *S. Typhimurium* colonization in a 3-D model of colonic epithelium. *PLoS One* 2012; **7**. doi:10.1371/journal.pone.0037116.
- 37 BPOM. Peraturan Badan Pengawas Obat Dan Makanan Nomor 13 Tahun 2019 TENTANG BATAS MAKSIMAL CEMARAN MIKROBA DALAM PANGAN OLAHAN. *Badan Pengawas Obat Dan Makanan* 2019.
- 38 agung yogeswara I. *probiotik, prebiotik dan sinbiotik*. 2015 doi:10.13140/RG.2.1.4693.3921.
- 39 Yonata A, Farid AFM. Penggunaan Probiotik sebagai Terapi Diare. *Majority*

- 2016; **5**: 1–5.
- 40 Goldman E, - LHGSE (eds.). *Practical Handbook of Microbiology*. CRC Press, 2015 doi:10.1201/b17871.
- 41 Shinta K, Hartantyo H, Wijayahadi N. Pengaruh Probiotik pada Diare Akut: Penelitian dengan 3 Preparat Probiotik. *Sari Pediatr* 2016; **13**: 89.
- 42 Liu Y, Tran DQ, Rhoads JM. Probiotics in Disease Prevention and Treatment. *J Clin Pharmacol* 2018; **58**: S164–S179.
- 43 Silva DR, Sardi J de CO, Pitanguí N de S, Roque SM, Silva ACB da, Rosalen PL. Probiotics as an alternative antimicrobial therapy: Current reality and future directions. *J Funct Foods* 2020; **73**: 104080.
- 44 Sari R, Apridamayanti P, Octaviani M, Sari R, Apridamayanti P, Octaviani M. Optimasi Aktivitas Bakteriosin yang Dihasilkan oleh Bakteri *Lactobacillus plantarum* dari Minuman Ce Hun Tiau. *Pharm Sci Res* 2018; **5**: 1–6.
- 45 Dobson A, Cotter PD, Paul Ross R, Hill C. Bacteriocin production: A probiotic trait? *Appl Environ Microbiol* 2012; **78**: 1–6.
- 46 Seo BJ, Mun MR, Kumar RVJ, Kim CJ, Lee I, Chang YH *et al*. Bile tolerant *Lactobacillus reuteri* isolated from pig feces inhibits enteric bacterial pathogens and porcine rotavirus. *Vet Res Commun* 2010; **34**: 323–333.
- 47 Salas-Jara M, Ilabaca A, Vega M, García A. Biofilm Forming *Lactobacillus*: New Challenges for the Development of Probiotics. *Microorganisms* 2016; **4**: 35.
- 48 Talarico TL, Dobrogosz WJ. Chemical characterization of an antimicrobial substance produced by *Lactobacillus reuteri*. *Antimicrob Agents Chemother* 1989; **33**: 674–679.
- 49 Schaefer L, Auchtung TA, Hermans KE, Whitehead D, Borhan B, Britton RA. The antimicrobial compound reuterin (3-hydroxypropionaldehyde) induces oxidative stress via interaction with thiol groups. *Microbiology* 2010; **156**: 1589–1599.
- 50 Jones SE, Versalovic J. Probiotic *Lactobacillus reuteri* biofilms produce antimicrobial and anti-inflammatory factors. *BMC Microbiol* 2009; **9**: 1–9.
- 51 Lin YP, Thibodeaux CH, Peña JA, Ferry GD, Versalovic J. Probiotic *Lactobacillus reuteri* suppress proinflammatory cytokines via c-Jun. *Inflamm*

- Bowel Dis* 2008; **14**: 1068–1083.
- 52 Hou C, Zeng X, Yang F, Liu H, Qiao S. Study and use of the probiotic *Lactobacillus reuteri* in pigs: A review. *J Anim Sci Biotechnol* 2015; **6**: 1–8.
- 53 Abdel-Daim A, Hassouna N, Hafez M, Ashor MSA, Aboulwafa MM. Antagonistic activity of lactobacillus isolates against salmonella typhi in vitro. *Biomed Res Int* 2013; **2013**. doi:10.1155/2013/680605.
- 54 Jiang P, Yang W, Jin Y, Huang H, Shi C, Jiang Y *et al*. *Lactobacillus reuteri* protects mice against *Salmonella typhimurium* challenge by activating macrophages to produce nitric oxide. *Microb Pathog* 2019; **137**: 103754.
- 55 Greifová G, Májeková H, Greif G, Body P, Greifová M, Dubničková M. Analysis of antimicrobial and immunomodulatory substances produced by heterofermentative *Lactobacillus reuteri*. *Folia Microbiol (Praha)* 2017; **62**: 515–524.
- 56 Nakazato G, Paganelli FL, Lago JC, Aoki FH, Mobilon C, Brocchi M *et al*. *Lactobacillus acidophilus* decreases salmonella typhimurium invasion in vivo. *J Food Saf* 2011; **31**: 284–289.
- 57 Gancarčíková S, Nemcová R, Popper M, Hřčková G, Sciranková L, Maďar M *et al*. The Influence of Feed-Supplementation with Probiotic Strain *Lactobacillus reuteri* CCM 8617 and Alginate on Intestinal Microenvironment of SPF Mice Infected with *Salmonella Typhimurium* CCM 7205. *Probiotics Antimicrob Proteins* 2019; **11**: 493–508.