

DAFTAR PUSTAKA

- Alander, M., R. Korpela., M. Saxelin., T. Vilpponen-Salmela., T. Mattila-Sandholm, and A. von Wright. 1997. Recovery of *Lactobacillus rhamnosus* GG from human colonic biopsies. *Letters of Applied Microbiology* 24: 361-364.
- Alander, M., Satokari, R., Korpela, R., Saxelin, M., Vilpponen-Salmela, T., Mattila-Sandholm, T. and von Wright, A. 1999. Persistence of colonisation of human colonic mucosa by a probiotic strain, *Lactobacillus rhamnosus* GG after oral consumption. *Applied Environment Microbiology* 65: 351–354.
- Anonymous. 2014. *Lactobacillus plantarum*. <http://dxalzhongbei.en.made-in-china.com/product/sSnQfWqLstVp/China-Lactobacillus-Plantarum.html>. Diakses tanggal 13 April 2014 Ngatirah; Harmayani; R. Rahayu, E.S; dan Utami, T. 2000. Seleksi bakteri asam laktat sebagai agensia probiotik yang berpotensi menurunkan kolesterol Prosiding Seminar Nasional Industri Pangan., Surabaya 10-11 Oktober 2000
- Ausubel, F.M., Brent R., and Kingston R.E. 2002. *Short Protocols in Molecular Biology*. Academy Editions. Wiley-Blackwell. California.
- Backhed, F., Ley, R.E., Sonnenburg, J.L. Peterson., D.A.Gordon. 2005. Host-bacterial mutualism in the human intestine. *Science* 307: 1915–1920.
- Borges, L.G.A., V.D. Vechia and G. Corcao. 2003. Characterisation and genetic diversity via REP-PCR of *Escherichia coli* isolates from polluted waters in southern Brazil. *FEMS Microbiology Ecology* 45: 173-180.
- Buckle, K.A; Edwards, G.H; Fleet and M. Wooton. 1987. *Ilmu Pangan*. Penerjemah Hari Purnomo dan Adiono. Universitas Indonesia. Press. Jakarta
- Bujalance, C., Valera, M. J., Moreno, E., and Bravo, A.R. 2006. A Selective Differential Medium for *Lactobacillus plantarum*. *Journal of Microbiological Methods* 66 : 572-575
- Davoodabadi, Abolfazi., M.M.S. Dallal., A.R. Foroushani., M. Douraghi., M. K. S. Yazdi., F.A. Harati. 2015. Antibacterial activity of *Lactobacillus* spp. isolated from the feces of healthy infants against enteropathogenic bacteria. *Anaerobe* 10:1016
- de Bruijn, J.F. 1992. Use of Repetitive (Repetitive Extragenic Palindromic And Enterobacterial Repetitive Intergeneric Consensus) Sequences and The Polymerase Chain Reaction To Fingerprint The Genomes of *Rhizobium Meliloti* Isolates and Other Soil Bacteria. *Applied and Environmental Microbiology* 58: 2180-2187
- De Vrese, M. and P.R.Marteau.2007. Probiotics and Prebiotics: Effect on Dhiarrhea. *Journal Nutrition* 137: 803S- 811S

- Di Cagno, R., G. Minervini, E. Sgarbi, C.Lazzi, V.Bernini, E.Neviani, M.Gobbetti. 2010. Comparison of phenotypic (Biolog System) and Genotypic (Random Amplified Polymorphic DNA-Polymerase Chain Reaction, RAPD-PCR, and Amplified Fragment Length Polymorphism, AFLP) Methods for Typing *Lactobacillus plantarum* Isolates from Raw Vegetables and Fruits. *International Journal of Food Microbiology* 143: 246-253.
- Dimitonova, S.P., B.V. Bakalov., R.N.A. Georgieva and S.T. Danova. 2008. Phenotypic and molecular identification of lactobacilli isolated from vaginal secretions. *Journal Microbiology Immunology Infect* 41: 469-477.
- Dombek, E.P., L.K. Johnson., S.T. Zimmerley.,and M.J. Sadowsky. 2000. Use of Repetitive DNA Sequences and the PCR To Differentiate *Escherichia coli* Isolates from Human and Animal Sources. *Applied And Environmental Microbiology* 66: 2572-2577.
- Dubernet, S., N. Desmaures, M. Gueguen. 2002. A PCR-based for Identification of Lactobacilli at The Genus Level. *FEMS Microbiology Letters* 214 : 271-275
- Elli, M., M.L. Callegari., S. Ferrari., E. Bessi., D. Cattivelli., S. Soldi., L. Morelli., N.G. Feuillerat., and J.M. Antoine. 2006. Survival of Yoghurt Bacteria in The Human Gut. *Applied and Environmental Microbiology* 72 : 5113-5117.
- Endo, A., J.Aakko and S.Salminen. 2012. Evaluation of strain-specific primers for identification of *Lactobacillus rhamnosus* GG. *FEMS Microbiology Letters* 337: 120–125.
- FAO/WHO. 2001. Health and Nutritional Properties of Probiotics in Food Including Powder Milk with Live Lactic Acid Bacteria. www.who.int. Accessed 14 May 2011
- Fuller, R. 1989, A Review: Probiotics in man and animals, *Journal of Applied Bacteriology* 66: 365-378.
- Genersch, E and C.Ohten. 2003. The use of repetitive element PCR fingerprinting (rep-PCR) for genetic subtyping of German field isolates of *Paenibacillus larvae* subsp. *larvae*. *Apidologie* 34: 195-206
- Georghiou, P.R., Doggett, A.M., Kielhofner, M.A., Stout, J.E., Watson, D.A., Lupski, J.R. ,Hamill, R. J. 1994 Molecular fingerprinting of *Legionella* species by repetitive element PCR. *Journal of Clinical Microbiology* 32: 2989-2994.
- Gevers, Dirk., G.Huys., J.Swings. 2001. Applicability of rep-PCR fingerprinting for identification of *Lactobacillus* species. *FEMS Microbiology Letters* 205 (2001).

- Goyal, Renuka., H. Dhingra., P. Bajpai., N. Joshi. 2012. Characterization of The *Lactobacillus* isolated from different curd samples. *African Journal of Biotechnology* 11: 14448-144452
- Healy, Mimi., Joe H., Traci B., Maricel L., Stacie F., Sabeen R., Robert S., Janet M, Alex R, Robert N, Charles W, James V., And JR. Lupski. 2005. Microbial DNA Typing By Automated Repetitive-Sequence-Based PCR. *Journal of Clinical Microbiology* 43: 199–207.
- Langendijk, P.S., F. Schut, , G.J .Jansen, , G.C. Raangs, G.R. Kamphuis, M.H. Wilkinson, and G.W. Welling. 1995. Quantitative fluorescence in situ hybridization of *Bifidobacterium* spp. with genus-specific 16S rRNA targeted probes and its application in faecal samples. *Applied and Environmental Microbiology* 61: 3069-3075.
- Lin, M.Y and F.J Chang. 2002. Antioxidative Effect of Intestinal Bacteria *Bifidobacterium longum* ATCC 15708 and *Lactobacillus acidophilus* ATCC 4356. *Digestive Diseases and Sciences* 45: 1617-1622.
- Liu, D., C. Wang., E.J. Swiatlo., M.L. Lawrence. 2005. PCR amplification of a species-specific putative transcriptional regulator gene reveals the identity of *Enterococcus faecalis*. *Research in Microbiology* 156: 944–948.
- Louws, F.J., Fulbright D.W., Stephens C.T., de Bruijn F. 1999. Specific Genomic Fingerprint of *Phytophagetic xanthomonas* and *Pseudomonas pathovars* and strains generated with repetitive sequences and PCR. *Applied and Environmental Microbiology* 60 : 2286-2295
- Maria, G., V. Pinto., C.M.A.P. Franz., U. Schillinger, W.H. Holzapfel . 2006. *Lactobacillus* spp. with in vitro probiotic properties from human faeces and traditional fermented products. *International Journal of Food Microbiology* 109: 205–214
- Maukonen. J., J. Matto., K. Kajander., T. Mattila-Sandholm and M. Saarela. 2008. Diversity and temporal stability of fecal bacterial populations in elderly subjects consuming galacto-oligosaccharide containing probiotic yoghurt. *International Dairy Journal* 18: 386–395.
- Mercier, E., Jumas-Bilak, E., Allardet-Servent, A., O'Callaghan, D., Ramuz, M. 1996 Polymorphism in *Brucella* strains detected by studying distribution of two short repetitive DNA elements. *Journal of Clinical Microbiology* 34: 1299-1302.
- Moore, W.E.C. and L.V. Holdeman. 1974. Human faecal flora: The normal flora of 20 Japanese-Hawaiians. *Applied Microbiology* 27: 961-979.
- Novais. C., T.M. Coque., J.C. Sousa., and L.V. Peixe. 2006. Antimicrobial Resistance Among Faecal Enterococci From Healthy Individuals in Portugal. *Clinical Microbiology Infect* 12: 1131–1134
- O'Sullivan. J.D., 2000. Methods for Analysis of the Intestinal Microflora. *Current Issues Intestinal Microbiology* 1: 39-50.

- Ouwehand, A.C. 2005. The probiotic potential of propionicbacteria. Di dalam : Salminen S., dan A. Wright, Editor. *Lactic Acid Bacteria: Microbial and Functional Aspect*. 3rd edition. Marcel Dekker Inc., New York. Page 159-174
- Parvez, S., K.A. Malik., S.A. Kong., H.Y. Kim. 2006. Probiotics and Their Fermented Food Products are Beneficial for Health. Review article. *Journal Applied Microbiology* 100: 1171-1185.
- Rahayu, E.S. 2003. Lactic acid bacteria in fermentd food of Indonesia origin. *Agritech*. 23: 75-84
- Rahayu, E.S., Agung .Y, Tyas.U, Suparmo. 2011. Indigenous Probiotic Strains of Indonesia and Their Application for Fermented Food. The 12th Asean Food Conference. Thailand
- Rahayu,E.S, Yogeswara A, Mariyatun, Haryono P, Utami S., Utami T., Nurfiani S., Cahyanto MN. 2013. Bakteri asam laktat indigenous berpotensi probiotik dan aplikasinya untuk produksi susu fermentasi. Prosiding seminar RISTEK. Jakarta 7-8 November 2013.
- Rahayu.,E.S., Utami.T., Mariyatun, M.A.Sarwoko., P. Haryono., J.Sutrianta., I. Kandarina, S.Nurfiani., M.N. Cahyanto. 2014. Pengaruh minuman susu fermentasi *L. Plantarum* dad 13 terhadap microbiota feses orang Indonesia dewasa sehat. Prosiding seminar RISTEK. Bandung 1-2 Oktober 2014.
- Rintahaka.J., Yu X., Kant R., Palva A and von Ossowski I. 2014. Phenotypical Analysis of the *Lactobacillus rhamnosus* GG Fimbrial spaFED Operon: Surface Expression and Functional Characterization of Recombinant SpaFED Pili in *Lactococcus lactis*. *PLoS ONE* 9(11): e113922.doi:10.1371/journal.pone.0113922.
- Roberfroid M.B. 2000 : Prebiotics and probiotics: are they functional foods? *American Journal Clinical Nutrition* 71:1682S-1687S
- Rojas, G.C., M.M. Hiriart., S.P.Leon., R.I.A. Fernandez., R.A.A. Juarez., J. Huebner., and Y.L. Vidal. 2013. Comparison of *Enterococcus faecium* and *Enterococcus faecalis* Strains Isolated from Water and Clinical Samples: Antimicrobial Susceptibility and Genetic Relationships. *PLoS ONE* 8(4): e59491. www.plosone.org
- Salminen, M.K., Tynkkynen, S., Rautelin, H., Saxelin, M., Vaara, M., Ruutu, P., et al. 2002. *Lactobacillus* bacterecemia during a rapid increase in probiotic use of *Lactobacillus rhamnosus* GG in Finland. *Clinical Infections Diseases* 35: 1155-1160
- Salminen, S; von Wright, A; Ouwehand, A. 2004. *Lactic Acid Bacteria Microbiological and Functional Aspects Third Edition*. Marcel Dekker, Inc : NewYork.
- Schneegurt, M.A and Kulpa C.F. 1998. The Application of Molecular Techniques in Inveromental Biotechnology for Monitoring Microbial Systems. *Biotechnology and Applied Biochemistry* 27: 73-79.

- Shimakawa, Y., S. Matsubara, N. Yuki, M. Ikeda, and F. Ishikawa, 2003. Evaluation of Bifidobacterium brece strain Yakult-fermented soymilk as probiotics food. *International Journal of Food Microbiology* 81: 131-136.
- Singh, Smita., P. Goswami., R. Singh., K.J. Heller. 2009. Application of molecular identification tools for *Lactobacillus*, with a focus on discrimination between closely related species: A review. *LWT - Food Science and Technology* 42 : 448–457
- Singh, V.A and R. Bunger. 2014. Probiotics and Gut Health. *Journal of Internation Medical Sciences Academy* 27: 41-45.
- Smith, N.C., J. Hennessy and D.E. Stead. 2001. Repetitive sequence-derived PCR profiling using the BOX-A1R primer for rapid identification of the plant pathogen *Clavibacter michiganensis* subspecies *sepedonicus*. *European Journal of Plant Pathology* 107: 739–748
- Songisepp, E. P. Hutt., M. Ratsep., E. Shkut., S. Koljalg., K. Truusalu., J. Stsepetova., I. Smidt., H. Kolk., M. Zagura., and M. Mikelsaart. 2012. Safety of a probiotic cheese containing *Lactobacillus plantarum* Tensia according to a variety of health indices in different age groups. *Journal Dairy Science* 95 :5495–5509.
- Spanhaak, S., R. Havenaar, and G. Schaafsma. 1998. The effect of consumption of milk fermented by *Lactobacillus casei* strain Shirota on the intestinal microflora and immune parameters in humans. *European Journal of Clinical Nutrition* 52:899–907.
- Stiles, J.R., and Holzapfel, W.H. 1997. Lactic acid bacteria of foods and their current taxonomy. *International Journal of Food Microbiology* 36: 1-29
- Stoeckel, D.M and V.J. Harwood. 2007. Performance, Design, and Analysis in Microbial Source Tracking Studies. *Applied and Environmental Microbiology* 73:2405.
- Tamura K, Peterson D, Peterson N, Stecher G, Nei M. 2011. MEGA 6 : Molecular Evolutionary Genetics Analysis Version 6.0. *Molecular Biology and Evolution* 30: 2725–2729
- Tannock, G.W. 2004. A special fondness for Lactobacilli. *Applied and Environmental Microbiology* 70: 3189-3194
- Todorov S.D., H. Nyati., M. Meincken., L.M.T. Dicks. 2007. Partial characterization of bacteriocin AMA-K, produced by *Lactobacillus plantarum* AMA-K isolated from naturally fermented milk from Zimbabwe. *Food Control* 18: 656–664
- Tuohy, K.M., M. Pinart-Gilberga., M. Jones., L. Hoyles., A.L. McCartney and G.R. Gibson. 2006. Survivability of a probiotic *Lactobacillus casei* in the gastrointestinal tract of healthy human volunteers and its impact on the faecal microflora. *Journal of Applied Microbiology* ISSN 1364-5072

- Versalovic, J., Schneider, M., de Bruijn, F.J. and Lupski, J.R. 1994. Genomic fingerprinting of bacteria using repetitive sequence-based polymerase chain reaction. *Methods in Molecular and Cell Biology* 5: 25–40
- Vidojevic, A.T., S. Mihajlovic., G. Uzelac., K. Veljovic., M. Tolinacki., M. Nolic., L. Topisirovic., M. Kojic. 2014. Characterization of Lactic Acid Bacteria Isolated from Artisanal Travnik Young Cheeses, Sweet Creams and Sweet Kajmaks Over Four Seasons. *Food Microbiology* 39: 27-38
- Wheeler, A.L., P.G. Hartel., D.G. Godfrey., J.L. Hill., and W.I. Segars. Potential of *Enterococcus faecalis* as a Human Fecal Indicator for Microbial Source Tracking. *Journal of Environmental Quality* 31:1286–1293
- Wilson, K.H and R.B. Blitchington. 1996. Human Colonic Biota Studied by Ribosomal DNA Sequence Analysis. *Applied and Environmental Microbiology* 62: 2273-2278