

DAFTAR PUSTAKA

- Ausubel F, M., Brent R., Kingston, R. E. 2002. Short Protocols in Molecular Biology Academy Edition- Wiley Blackwell. California.
- Berthier, F. and Ehrlich, S. D. 1998. Rapid species identification within two groups of closely related lactobacilli using PCR primers that target the 16S/23S rRNA spacer region. *FEMS Microbiology Letters*, 161, 97–106.
- Boyle, R.J., Robins-browne, R.M. and Tang, M.L.K. 2006. Probiotic use in clinical practice : what are the risks?¹⁻³. *Am J Clin Nutr*; 83: pp.1256–1264.
- Brusetti, L., Malkhazova, I., Gtari, M., Tamagnini, I., Borin, S., Merabishvili, M., Chanishvili, N., Mora, D., Cappitelli, F., and Daffonchio, D. 2008. Fluorescent-BOX-PCR for resolving bacterial genetic diversity, endemism and biogeography. *BMC Microbiology*, 8, 220.
- Bujalance, C., Valera-Jimenez, M., Moreno, E., and Ruiz-Bravo, A. 2006. A selective differential medium for *Lactobacillus plantarum*. *Journal of Microbiological Methods*, 66(3), pp.572–575.
- Cai, Y., Matsumoto, M., Benno, Y. 2000. *Bifidobacterium animalis* Scardovi and Trovatelli 1974. *Microbiol. Immunol.* 44 (10), 815-820
- Carvalho, S., Steigerwalt, A. G., Glo, M., Morey, R. E., Shewmaker, P. L., Falsen, E., Facklam, R. R., and Teixeira, L. M. 2008. Designation of the Provisional New Enterococcus Species CDC PNS-E2 as *Enterococcus sanguinicola* sp. nov., Isolated from Human Blood, and Identification of a Strain Previously Named Enterococcus CDC PNS-E1 as *Enterococcus italicus* Fortina, Ricci, Mora, and Manachini 2004. *Journal of Clinical Microbiology*, 46(10), 3473–3476.
- Cesaro, C., Tiso, A., Del Prete, A., Cariello, R., Tuccillo, C., Cotticelli, G., Blanco, C. D. V., Loguercio, C. 2011. Gut microbiota and probiotics in chronic liver diseases. *Digestive and Liver Disease*, 43(6), 431–438.
- Charalampopoulos, D. and Rastall, R.A., 2009. Prebiotics and Probiotics Science and Technology. Springer Science and Business Media LLC.
- Cocolin, L., and Ercolini, D. 2008. Molecular Techniques in the Microbial Ecology of Fermented Food. New York: Springer.
- Davey, H.M., 2011. Life, death, and in-between: Meanings and methods in microbiology. *Applied and Environmental Microbiology*, 77(16), pp.5571–5576.

- Davis, C., 2014. Enumeration of probiotic strains : Review of culture-dependent and alternative techniques to quantify viable bacteria. *Journal of Microbiological Methods*, 103, pp.9–17.
- De bruijn and J. Frans. 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. *Appl. Enviroment Microbial*. 58 (7): 2180-2187.
- De Vrese M, Schrezenmeir J. 2008. Probiotics, Prebiotics, and Synbiotics. *Adv Biochemical Engineering/ Biotechnol*; (111):1–66.
- Douillard, F.P. and de Vos, W.M. 2014. Functional genomics of lactic acid bacteria : from food to health. *Microbial Cell Factories*, 13(Suppl 1), p.S8.
- Essid, I., Medini, M. and Hassouna, M., 2009. Technological and safety properties of *Lactobacillus plantarum* strains isolated from a Tunisian traditional salted meat. *Meat Science*, 81(1), pp.203–208.
- Felis, G. E. and Dellaglio, F. 2015. Taxonomy of *Lactobacilli* and *Bifidobacteria*. *Current Issues Intestinal Microbiology*, 8, 44–61.
- Fernández, M.F., Boris, S. and Barbés, C., 2005. Safety evaluation of *Lactobacillus delbrueckii* subsp. *lactis* UO 004, a probiotic bacterium. *Research in Microbiology*, 156(2), pp.154–160.
- Fisher, M. M., Triplett, E. W., and Triplett, E. W. 1999. Automated Approach for Ribosomal Intergenic Spacer Analysis of Microbial Diversity and Its Application to Freshwater Bacterial Communities Automated Approach for Ribosomal Intergenic Spacer Analysis of Microbial Diversity and Its Application to Freshwater, 65(10), 4630–4636.
- Frizzo, L.S., Bertozzi, E., Soto, L. P., Sequeira, G. J., Armesto, R. 2010. Studies on translocation, acute oral toxicity and intestinal colonization of potentially probiotic lactic acid bacteria administered during calf rearing. *Livestock Science*, 128(1-3), pp.28–35.
- Ganguly, N.K., 2011. *Guidelines for Evaluation of Probiotik in Food*, New Delhi.
- Gevers, D., 2001. Applicability of rep-PCR fingerprinting for identification of *Lactobacillus* species. *FEMS Microbiology Letters*, 205, pp.31–36.
- Girrafa, G and Domenico, C., 2008. *Molecular Technique in Food Fermentation: Principle and Applications*. in *Molecular Techniques in the Microbial Ecology of Fermented Food*. New York: Springer.

- Grajek, W., Olejnik, A. and Sip, A., 2005. Probiotics, prebiotics and antioxidants as functional foods, 52(3), pp.665–671.
- Guidone, A., Zotta, T., Ross, R. P., Stanton, C., Rea, M. C., Parente, E., Ricciardi, A. 2013. Functional properties of *Lactobacillus plantarum* strains : A multivariate screening study. LWT - Food Science and Technology, 56(1), pp.69–76.
- Ikeda, S., Fujimura, T., and Ytow, N. 2005. Potential application of ribosomal intergenic spacer analysis to the microbial community analysis of agronomic products. Journal of Agricultural and Food Chemistry, 53(14), 5604–5611.
- Ikhsani, A. Y., 2016. Evaluasi Keamanan Strain Probiotik *Lactobacillus plantarum* Mut-7 pada Model Tikus *Sprague Dawley*. Thesis. Jurusan Ilmu dan Teknologi Pangan. Fakultas Teknologi Pertanian. Universitas Gadjah Mada
- Ishibashi, N., and Yamazaki, S. 2001. Probiotics and safety. American Journal of Clinical Nutrition, 73(2 SUPPL.), 1–6.
- Janda, J. M., and Abbott, S. L. 2007. MINIREVIEW 16S rRNA Gene Sequencing for Bacterial Identification in the Diagnostic Laboratory : Pluses, Perils, and Pitfalls, 45(9), 2761–2764.
- Joana, Š. and Abraitien, A. 2015. Selection of enhanced antimicrobial activity posing lactic acid bacteria characterised by (GTG)₅-PCR fingerprinting. J Food Sci Technol, 52(7), pp.4124–4134.
- Kelleher, P., Murphy, J., Mahony, J., Sinderen, D. V. 2015. Next-generation sequencing as an approach to dairy starter selection. Dairy Science and Technology. Springer. DOI 10.1007/s13594-015-0227-4
- Kok, J., Johansen, E., Kleerebezem, M., Teusink, B. 2014. Lactic Acid Bacteria : embarking on 30 more years of research. Microbial Cell Factories, 13(Suppl 1), p.II.
- König, H. and Fröhlich, J., 2009. Lactic Acid Bacteria. Biology of Microorganism on Grapes, in Must and in Wine, Springer, Berlin.
- Kulakauskas, S., 2014. Cell wall structure and function in lactic acid bacteria. Microbial Cell Factories, 13(Suppl 1), p.S9.
- Lahtinen, S. J., Boyle, R. J., Margolles, A., and Frias, R. 2009. Safety Assessment of Probiotics. In Probiotics. Springer Science and Business Media LLC.
- Lima, K.G. de C., Kruger, M. F., Behrens, J., Destro, M. T., Landgraf, M., and de Melo Franco, B. D. G. 2009. Evaluation of culture media for enumeration of

Lactobacillus acidophilus, *Lactobacillus casei* and *Bifidobacterium animalis* in the presence of *Lactobacillus delbrueckii* subsp *bulgaricus* and *Streptococcus thermophilus*. *LWT - Food Science and Technology*, 42(2), pp.491–495.

Lestari, Lily Arsanti, Harmayani, E., and Marsono, Y.2003. Supplementation of Indigenous Probioitc Bacteria into Yoghurt. *Journal of Indonesian Food and Nutrition Progress*, X (1).

Mahony, J., Bottacini, F., van Sinderen, D., and Fitzgerald, G. F. 2014. Progress in lactic acid bacterial phage research. *Microbial Cell Factories*, 13(Suppl 1), p.S1.

Manjulata, S., Asrcher, C.A. and Halami, P.M., 2015. Screening, Characterization and In Vitro Evaluation of Probiotic Properties among Lactic Acid Bacteria through Comparative Analysis. *Probiotics and Antimicrobial Proteins*, 7(3), pp.181–192.

Masco, L., Huys, G., Gevers, D., Verbruggen, L., and Swings, J. 2003. Identification of *Bifidobacterium* species using rep-PCR fingerprinting Identification of *Bifidobacterium* Species Using rep-PCR Fingerprinting. *Systematic and Applied Mircrobiology*, 26(12), pp. 557–563.

Marteau, B.P., 2001. Safety aspects of probiotic products. *Scandinavian Journal of Nutrition*, 45(10), pp.22–24.

Mishra, S. and Mishra, H.N., 2015. Technological aspects of probiotic functional food development a review, pp.117–130.

Mohapatra, B. R., and Mazumder, A. 2008. Comparative efficacy of five different rep-PCR methods to discriminate *Escherichia coli* populations in aquatic environments, pp. 537–547.

Montesi, A., Garcia-Albiach, R., Pozuelo, M. J., Pintado, C., Goni, I., and Rotger, R. 2005. Molecular and microbiological analysis of caecal microbiota in rats fed with diets supplemented either with prebiotics or probiotics. *International Journal of Food Microbiology*, 98(3), pp.281–289.

Morandi, S., Cremonesi, P., Povolò, M., and Brasca, M. 2016. *Enterococcus lactis* sp. from Italian raw milk cheeses, (5), pp.1992–1996.

Mori, K., Yamazaki, K., Katsumata, M., Igarashi, A. and Kobayashi, K. Comparative sequence analysis on the 16S rDNA of *Lactobacillus plantarum* and related strains. Available at: <http://ncbi.nlm.nih.gov>.

- Ngatirah, Eni. H, Endang, S.R., Tyas. U., 2000. Seleksi Bakteri Asam Laktat Sebagai Agensia Probiotik yang Berpotensi Menurunkan Kolesterol. Prosiding Vol II: Seminar Nasional Industri Pangan.
- Nucera, D. M., Lomonaco, S., Costa, A., Morra, P., and Grassi, M. A. 2013. Diagnostic Performance of rep-PCR as a Rapid Subtyping Method for *Listeria monocytogenes*. Food Anal. Methods, 3: pp. 868–871.
- Pavlova, S. I., Kilic, A. O., Kilic, S. S., So, J., Nader-Macias, M. E., Simoes, J. A., and Tao, L. 2002. Genetic diversity of vaginal lactobacilli from women in different countries based on 16S rRNA gene sequences. Journal of Applied Microbiology, 92, pp. 451–459.
- Prajapati, J.B. and Sreeja, V. 2013. Probiotic Formulations : Application and Status as Pharmaceuticals — A Review. Probiotics and Antimicrobial Proteins, 5, pp.81–91.
- Pramono Y B, Eni H, Utami T. 2003. Kinetika Pertumbuhan *Lactobacillus plantarum* dan *Lactobacillus* sp. Pada Media MRS Cair. Jurnal Teknologi dan Industri Pangan Vol. XIV (1), pp.20–24.
- Rahayu, E.S., 2003. Lactic Acid Bacteria in Fermented Foods of Indonesian Origin. Agritech, 23(2), pp.75–84.
- Rahayu, E. S., Yogeswara, A., Windiarti, L., Utami, T., Watanabe, K. 2015. Molecular characteristics of indigenous probiotic strains from Indonesia. International Journal of Probiotics and Prebiotics, 10(4), 109–116.
- Ranjard, L., Poly, F., Lata, J., Mougél, C., Thioulouse, J. 2001. Characterization of Bacterial and Fungal Soil Communities by Automated Ribosomal Intergenic Spacer Analysis Fingerprints : Biological and Methodological Variability, 67(10), pp. 4479–4487.
- Ranjbar, R., Karami, A., Farshad, S., Giammanco, G. M., and Mammina, C. 2014. Typing methods used in the molecular epidemiology of microbial pathogens : a how-to guide. New Microbiologica, 37, pp.1–15.
- Ryberg, A., Olsson, C., Ahrné, S., and Monstein, H. J. 2011. Comparison of (GTG)₅-oligonucleotide and ribosomal intergenic transcribed spacer (ITS)-PCR for molecular typing of *Klebsiella* isolates. Journal of Microbiological Methods, 84(2), 183–188.
- Da Silva Sabo, S., Vitolo, M., Gonzalez, J. M. D., de Souza Oliveira, R. P. 2014. Overview of *Lactobacillus plantarum* as a promising bacteriocin producer among lactic acid bacteria. Food Research International, 64, pp.527–536.

- Saito N and Nei M. 1987. The Neighbor-Joining Method: A New Method for Reconstructing Phylogenetic Tress. *Molecular Biology and Evolution*, 4:406-425
- Salman, A.A., 2013. Miniaturised System For DNA Analysis. Teesside University.
- Sanders, M.E., Akkermans, L. M.A., Haller, D., Hammerman, C., Heimbach, J., Hormannsperger, G., Huys, G., Lutgendorff, F., Mack, D., Phothirath, P., Solano-Aguilar, G., and Vaughan, E. 2010. Safety assessment of probiotics for human use Safety assessment of probiotics for human use. *Gut Microbes*, 1(3), pp.164–185.
- Snydman, D. 2008. The Safety of Probiotics. *Clinical Infectious Diseases*: (46): S104–11.
- Sekirov I, Shannon L R, Caetano M A, and Finlay, B. B. 2010. Gut Microbiota in Health and Disease, *Physiol Rev* 90: pp.859–904.
- Tamura K, Peterson D, Peterson N, Stecher G, Nei M, Kumar S. 2011. MEGA5: Molecular Evolutionary Genetics Analysis Using Maximum Likelihood, Evolutionary Distance, and Maximum Parsimony Methods. *Molecular Biology Evolution*. 28:2731–2739.
- Temmerman, R., Huys, G. and Swings, J., 2004. Identification of lactic acid bacteria : independent methods. *Trends in Food Science and Technology*, 15, pp.348–359.
- Trevisi, P., de Filippi, S, Modesto, M., Mazzoni, M., Casini, L., Biavati, B., and Bosi, P. 2007. Investigation on the ability of different strains and doses of exogenous Bifidobacteria, to translocate in the liver of weaning pigs. *Livestock Science*, 108(1-3), pp.109–112.
- Vandenplas, Y., Huys, G. and Daube, G., 2015. Probiotics : an update &. *Jornal de Pediatria*, 91(1), pp.6–21.
- Ventura, M., and Zink, R. 2002. Specific identification and molecular typing analysis of *Lactobacillus johnsonii* by using PCR-based methods and pulsed-field gel electrophoresis. *FEMS Microbiology Letter*, 217(217), 141–154.
- Versalovic, J., Koeuth, T., and Lupski, J. R. 1991. Distribution of repetitive DNA sequences in eubacteria and application to fingerprinting of bacterial genomes. *Nucleic Acids Research*, 19(24), pp.6823-6831.
- Wang, W. and Zhou, Z. Autochthonous gut *Lactobacillus* in zebrafish. Available at: <http://ncbi.nlm.nih.gov>.

- Weiss, A., Domig, K. J., Kneifel, W., and Mayer, H. K. 2010. Evaluation of PCR-based typing methods for the identification of probiotic *Enterococcus faecium* strains from animal feeds. *Animal Feed Science and Technology*, 158(3-4), 187–196.
- Yakabe, T., Moore, E. L., Yokota, S., Sui, H., Nobuta, Y., Fukao, M., Palmer, H., Yajima, N. 2009. Safety assessment of *Lactobacillus brevis* KB290 as a probiotic strain. *Food and Chemical Toxicology*, 47(10), pp.2450–2453.
- Xie, M., Yin, H.Q., Liu, Y., Liu, J., and Liu, X. D. 2008. Repetitive sequence based polymerase chain reaction to differentiate close bacteria strains in acidic sites. *Transactions of Nonferrous Metals Society of China (English Edition)*, 18(6), 1392–1397.
- Yu, Z., and Mohn, W. W. 2001. Bacterial Diversity and Community Structure in an Aerated Lagoon Revealed by Ribosomal Intergenic Spacer Analyses and 16S Ribosomal DNA Sequencing Bacterial Diversity and Community Structure in an Aerated Lagoon Revealed by Ribosomal Intergenic Spacer Ana. Society, 67(4), pp.1565–1574.
- Zhang, Z., Liu, C., Zhu, Y. Z., Wei, Y. X., Tian, F. 2012. Safety assessment of *Lactobacillus plantarum* JDM1 based on the complete genome. *International Journal of Food Microbiology*, 153(1-2), pp.166–170.
- Zhong, W. E. I., Millsap, K., Bialkowska-hobrzanska, H., and Reid, G. 1998. Differentiation of *Lactobacillus* Species by Molecular Typing. *Applied and Environmental Microbiology*, 64(7), pp. 2418–2423.