

## DAFTAR PUSTAKA

- Amman, R.I., W. Ludwig, and K.H. Schleifer. 1995. Phylogenetic Identification and In Situ Detection of Individual Microbial Cells without Cultivation. *Microbiol Rev.* 59(1): 143-69.
- Bachrudin, Z., Astuti dan Y.S. Dewi. 2000. *Isolasi dan Seleksi Mikroba Penghasil Laktat dan Aplikasinya pada Fermentasi. Limbah Industri Tahu. Pros. Sem. Nas. Industri Enzim dan Bioteknologi.* Mikrobiologi Enzim dan Bioteknologi.
- Barrow, G.I. and R. Feltham. 1993. *Cowan and Steel's Manual for the identification of medical bacteria. 3<sup>rd</sup> ed.* Cambridge University Press. Great Britain.
- Buntin, N., S. Cahanthachum, and T. Hongpattarakere. 2008. Screening of lactic acid bacteria from gastrointestinal tracts of marine fish for their potential use probiotics. *Sonklanakar Journal Science Technology* vol. 30. 141-148.
- Cai, H., M. Archambault, and J.F. Prescott. 2003. 16S Ribosomal RNA Sequence-based Identification of Veterinary Clinical Bacteria. *J Vet Diagn Invest.* 15:465-469.
- Campbell, N.A., J.B. Reece, and L.G. Mitchell. 2002. *Biologi.* Ed. 5 Jilid-1 Terjemahan. Penerbit Erlangga. Jakarta. Hal 403.
- Campbell, J.R., M.D. Kenealy, and K.L. Campbell. 2003. *Animal Science: The Biology, Care, and Production of Domestic Animal.* McGraw-Hill Co., Inc., New York.
- Cani, P.D., R. Bibiloni, C. Knauf, A. Wagen, A.M. Neyrinck, N.M. Delzenne, and R. Burcelin. 2008. Changes in gut microbiota control metabolic endotoxemia-induced inflammation in high-fat diet-induced obesity and diabetes in mice. *Diabetes*, 57:1470-81.
- Clarridge, J.E. 2004. Impact of 16S rRNA Gene Sequence Analysis for Identification of Bacteria on Clinical Microbiology and Infectious Diseases. *Clin. Microbiol. Rev.* 17(4): 840-62.
- Drancourt, M., C. Bollet, A. Carlouz, R. Martelin, J.P. Gayral, and D. Raoult. 2000. 16S ribosomal DNA sequence analysis of a large collection of

- environmental and clinical unidentifiable bacterial isolates. *J. Clin. Microbiol.* 38:3623–3630.
- Fatchiyah, E.L. Arumingtyas, S. Widyarti, dan S. Rahayu. 2011. *Biologi Molekular: Prinsip Dasar Analisis*. Jakarta: Penerbit Erlangga.
- Flint, J.F. and E.R. Angert. 2005. Development of a Strain-specific Assay for Detection of Viable *Lactobacillus* sp. HOFG1 After Application to Cattle Feed. *J. Microbiol. Methods*, 61: 235-243.
- Hai, H.C., L.C. Cun, D.W. Ji, J.Y. Yu, Y. Cun, B.W. Jin, H.L. Yu, L.D. Han, T.J. Yan, and Q.C. Xian. 2004. Effects of Probiotic on Intestinal Mucosa of Patients with Ulcerative Colitis. *World J Gastroenterol* 10(10):1521-1525.
- Hassan, Z.H. 2006. Isolasi *Lactobacillus*, Bakteri asam Laktat dari Feses dan Organ Saluran Pencernaan Ayam. Seminar Nasional Teknologi Peternakan dan Veteriner.
- Heyman, M. 2000. Effect of lactic Acid Bacteria on Diarrheal Diseases. *Journal of the American College of nutrition*. Vol. 19 No.2:137S-146S.
- Janda, J.M. and S.L. Abbott. 2007. 16s rRNA Gene Sequencing for Bacterial Identification in The Diagnostic Laboratory: Pluses, Perils, and Pitfalls. *Journal Of Clinical Microbiology*, 45(9) 2761-2764.
- Jay, J.M., J.L. Martin, and A.G. David. 2005. *Modern Food Microbiology*. 7<sup>th</sup> ed. Springer, New York.
- Karp, A., S. Kresovich, K.V. Bhat, W.G. Ayad, and T. Hodgkin. 1997. *Molecular Tool in Plant Genetic Resources Conservation: a Guide to The Technologies*. IPGRI Tech. Bull. No. 2.
- Khunajakr, N., A. Wongwicharn, A. Moonmangmee, and S. Tantipaiboonvut. 2008. Screening and Identification of Lactic Acid Bacteria Producing Antimicrobial Compounds from Pig Gastrointestinal Tracts. *KMITL Sci. Tech. J.* Vol. 8 No. 1 Jan –Jun.
- Kusmiati dan A. Malik. 2002. *Aktivitas Bakteriosin dari Bakteri Leuconostoc mesenteroides Pba1 pada Berbagai Media*.
- Kusumo, P.D. 2010. Potensi Probiotik dalam Mekanisme Sistem Imunitas. *Jurnal Kedokteran FK UKI*. 27(4):184-185.
- Lau, S.K.P., P.C.Y. Woo, J.L.L. Teng, K.W. Leung, and K.Y. Yuen. 2002. Identification by 16S Ribosomal RNA Gene Sequencing of *Arcobacter*

*butzleri* Bacteraemia in a Patient with Acute Gangrenous Appendicitis. *J Clin Pathol: Mol Pathol*.55:182–185.

Lee, C.M., C.C. Sieo, C.M.V.L. Wong, N. Abdullah, and Y.W. Ho. 2008. Sequence Analysis of 16s rRNA Gene and 16s-23s rRNA Gene Intergenic Spacer Region for differentiation of Probiotics Lactobacillus Strains Isolated from The Gastrointestinal Tract of Chicken. *Annals of Microbiology*, 58 (1):133-140.

Lodish, H., Berk, Matsudaira, Kaiser, Krieger, Scott, Zipursky, and Darnell. 2003. *Molecular Cell Biology Fifth Edition*. Freeman. New York.

Mabrouk, M.S., M. Hamdy, M. Mamdouh, M. Aboelfotoh, and Y.M. Kadah. 2006. *BIOINFTool: Bioinformatics and Sequence Data Analysis in Molecular Biology Using Matlab*. *Proc. Cairo International Biomedical Engineering Conference*.

Marteau, P., E. Cuillerier, and S. Meance. 2002. Bifidobacterium animalis strain DN-173 010 shortens the colonic transit time in healthy women: a double-blind, randomized, controlled study. *Alimentary Pharmacology and Therapeutics* 16: 587–593.

Mättö, J., R. Fondén, T. Tolvanen, A. V. Wright, T. Vilpponen-Salmela, R. Satokari, and M. Saarela. 2006. Intestinal Survival and Persistence of Probiotic Lactobacillus and Bifidobacterium Strains Administered in Triple-strain Yoghurt. *Int. Dairy J.*, 16: 1174-1180.

McCartney, A. 2002. Application of molecular biological methods for studying probiotics and the gut flora. *Br J Nutr*. 2002;88:S29–37.

Miele, L., V. Valenza, G. La Torre, M. Montalto, G. Cammarota, R. Ricci, R. Masciana, A. Forgione, M.L. Gabrieli, G. Perotti, F.M. Vecchio, G. Rapaccini, G. Gasbarrini, C.P. Day, and A. Grieco. 2009. Increased intestinal permeability and tight junction alterations in nonalcoholic fatty liver disease. *Hepatology*, 49:1877-87.

Mignard, S., and J.P. Flandrois. 2006. *16S rRNA* sequencing in routine bacterial identification: a 30-month experiment. *J. Microbiol. Methods* 67:574–581.

Minarwanto, Hendra. 2008. Studi Aktivitas Harian Orangutan (*Pongo pygmaeus*) wurmbii, Grove, 2001) Di Orangutan Care Center And Quarantine Pangkalan Bun, Kalimantan Tengah. [skripsi]. Fakultas Kehutanan. Institut Pertanian Bogor.

- Montesi, A., R. García-Albiach, M.J. Pozuelo, C. Pintado, I. Goñi, R. Rotger. 2005. Molecular and Microbiological Analysis of Caecal Microbiota in Rats Fed with Diets Supplemented Either with Prebiotics or Probiotics. *Int. J. Food Microbiol.*, 98: 281-289.
- Mount, D.W. 2001. *Bioinformatics Sequence and Genome Analysis*. Cold Spring Harbor Laboratory Press, New York: xii + 991 hlm.
- Muladno. 2010. *Teknologi Rekayasa Genetika*. Edisi Kedua. Penerbit IPB-Press. Bogor. 130 hlm.
- Nair, P.S. and P.K. Surendran. 2004-2005. Biochemical Characterization of Lactic Acid Bacteria Isolated from Fish and Prawn. *Journal of Culture Collections*. Vol. 4:48-52.
- Nyffeler, R and D.A. Baum. 2000. Phylogenetic Relationships of The Durians (Bombacaceae-Durioneae or [Malvaceae] Helicteroideae/Durioneae) Based on Chloroplast and Nuclear Ribosomal DNA Sequences. *Plant Systematics and Evolution*, 224:55-82.
- Ouadghiri, M., M. Amar, M. Vancanneyt, J. Swings. 2005. Biodiversity of Lactic Acid Bacteria in Moroccan Soft White Cheese (Jben). *FEMS Microbiol. Lett.*, 251: 267-271.
- Patel, J.B. 2001. *16S rRNA* gene sequencing for bacterial pathogen identification in the clinical laboratory. *Mol. Diagn.* 6:313-321.
- Patil, M., A. Pal, V. Pal, and R.K. Yaddula. 2006-2007. Isolation of Bacteriocinogenic Lactic Acid Bacteria from Rat Intestine. *Journal of Culture Collections*. Vol. 5:58-63.
- Petrosino, J.F., S. Highlander, R.A. Luna, R.A. Gibbs, and J. Versalovic. 2009. Metagenomic Pyrosequencing and Microbial Identification. *Clinical Chemistry* 55: 856-866.
- Prasthani, I. 2012. Isolasi dan Karakterisasi Bakteri Asam Laktat Asal Feses Orangutan (*Pongo pygmaeus*) sebagai Kandidat Probiotik [Skripsi]. Program Kedokteran Hewan. Universitas Brawijaya.
- Pevsner, J. 2003. *Bioinformatics and Functional Genomics*. Wiley-Liss, John Wiley & Sons, Inc., New Jersey, 753 p.
- Rahayu, S. 2010. Lactic Acid Bacteria and Their Role in Food and Health: Current Research in Indonesia. (Abstr.)

- Ramadhan, M.L., I.D. Buwono, dan Y. Mulyani. 2012. Analisis Potensi dan Karakterisasi Molekuler Gen 16s rRNA Bakteri Selulolitik yang Diisolasi dari Makroalga *Eucheuma sp.* dan *Sargassum sp.* Sebagai Penghasil Enzim Selulase. *Jurnal Perikanan dan Kelautan*. Vol. 3 No.3: 61-67.
- Salminen, S., A.V. Wright, and A. Ouwehand. 2004. *Lactic Acid Bacteria*. Marckel Dekker, New York.
- Sambrook, J. dan D.W. 2001. *Molecular Cloning a Laboratory Manual*. Ed ke-3. New York: Cold Spring Harbor Laboratory.
- Sánchez, I., S. Seseña, and L. Palop. 2003. Identification of Lactic Acid Bacteria from Spontaneous Fermentation of 'Almagro' Eggplants by SDS-PAGE Whole Cell Protein Fingerprinting. *Int. J. Food Microbiol.*, 82: 181-189.
- Santoso, P.J., G.B. Saleh, N.M. Saleh and S. Napis. 2005. Phylogenetic Relationships Amongst 10 Durio Species Based on PCR-RFLP Analysis of Two Chloroplast Genes. *Indonesian Journal of Agricultural Science*, 6(1): 20-27.
- Shenoy, B.D., R. Jeewon, and K.D. Hyde. 2007. Impact of DNA Sequence-Data on the Taxonomy of Anamorphic Fungi. *Fungal Diversity* 26: 1-54.
- Simmering, R., and M. Blaut. 2001. Pro- and pre-biotics – the tastyguardian angels? *Appl. Microbiol. Biotechnol.*, 55: 19-28.
- Snell-Castro, R., J.J. Godon, J.P. Delgenès, and P. Dabert. 2005. Characterisation of The Microbial Diversity in a Pig Manure Storage Pit Using Small Subunit rDNA Sequence Analysis. *FEMS Microbiol. Ecol.*, 52: 229-242.
- Stoyancheva, G.D., T.S. Danova, and I.Y. Boudakov. 2006. *Molecular Identification of Vaginal Lactobacilli Isolated from Bulgarian Women*. *Antonie van Leeuwenhoek*, 90: 201-210.
- Suharsono dan U. Widyastuti. 2008. *Penuntun Praktikum; Pengantar Genetika Molekuler*. Departemen Biologi-FMIPA. Institut Pertanian Bogor.
- Supriatna, J. dan E.H. Wahyono. 2000. *Panduan Lapangan Primata Indonesia*. Yayasan Obor Indonesia. Jakarta.
- Tamang, P.J., B. Tamang, U. Schillinger, C.M.A.P. Franz, M. Gores, and W.H. Holzapfe. 2005. Identification of Predominant Lactic Acid Bacteria Isolated from Traditionally Fermented Vegetable Products of The Eastern Himalayas. *Int. J. Food Microbiol.*, 105: 347-356.

- Tamura, K., G. Stecher, D. Peterson, A. Filipski, and S. Kumar. 2013. MEGA6: Molecular Evolutionary Genetics Analysis Version 6. *Mol. Biol. Evol.* 30(12): 2725-2729.
- Twindiko, S., D.P. Wijayanti, dan Ambriyanto. 2013. Studi Filogenetik Ikan Karang Genus *Pseudochromis* dan *Pictichromis* di Perairan Indo-Pasifik. *Buletin Oseanografi Marina*. Vol. 2: 29-37.
- Weisburg, W.G., S.M. Barns, D.A. Pelletier, and D.J. Lane. 1991. 16s Ribosomal DNA Amplification for Phylogenetic: Study. *Journal Bacterial*.
- Widyastuti, Y. dan E. Sofarianawati. 1999. Karakter Bakteri Asam laktat *Enterococcus* sp. yang Diisolasi dari Saluran Pencernaan Ternak. *Jurnal Mikrobiologi Indonesia*. Hlm. 50-53.
- Woo, P.C.Y., K.H.I. Ng, S.K.P. Lau, K.T. Yip, A.M.Y. Fung, K.W. Leung, D.M.W. Tam, T.L. Que, and K.Y. Yuen. 2003. Usefulness of the MicroSeq 500 16S ribosomal DNA-based identification system for identification of clinically significant bacterial isolates with ambiguous biochemical profiles. *J. Clin. Microbiol.* 41:1996-2001.
- Yan, F. and D.B. Polk. 2010. Probiotics: progress toward novel therapies for intestinal diseases. *Curr Opin Gastroenterol* 26(2):95-101.
- Yin, Q.Q. and Q.H. Zheng. 2005. Isolation and Identification of The Dominant *Lactobacillus* in Gut and Faeces of Pigs Using Carbohydrate Fermentation and 16S rDNA Analysis. *J. Biosci. Bioeng.*, 99: 68-71.
- Zubillaga, M., R. Weill, E. Postaire, C. Goldman, R. Caro, and J. Boccio. 2001. Effect of Probiotics and Functional Foods and Their Use In Different Disease. *Nutr Research* 21:569-579.