

## DAFTAR PUSTAKA

- Ajitha, S., M. Sridhar, N. Sridhar, I.S.B. Singh and V. Varghese. 2004. Probiotic effects of lactic acid bacteria against *Vibrio alginolyticus* in *Penaeus* (Fenneropenaeus) *indicus* (H. Milne Edwards). *Asian Fish. Sci.*, **17**: 71-80.
- Akbar, S., 2000. Meramu Pakan Ikan Kerapu: Bebek, Lumpur, Macan, Malabar. Cetakan I. Penebar Swadaya, Jakarta. 56 hal.
- Aly, S.M., A.M. Abd-El-Rahman, G. John & M.F. Mohamed. 2008a. Characterization of Some Bacteria Isolated from *Oreochromis niloticus* and their Potential Use as Probiotics. *Aquaculture*, **277**: 1-6.
- Aly, S.M., Y.A.G. Ahmed, A.A.A. Ghareeb & M.F. Mohamed. 2008b. Studies on *Bacillus subtilis* and *Lactobacillus acidophilus*, as potential probiotics, on the immune response and resistance of *Tilapia nilotica* (*Oreochromis niloticus*) to challenge infections. *Fish & Shellfish Immunology*, **25**: 128-136.
- Amaro, C., B. Fouz, E.G. Biosca, E. Marco-Noates and R. Collado. 1997. The lypopolysaccharide O side chain in *Vibrio vulnificus* serogroup E is a virulence determinant for eels. *Infection and Immunity*, **65**: 2475-2470.
- Antoro, S., Widiastuti, dan P. Hartono. 1999. Biologi Kerapu Tikus (*Cromileptes altivelis*). Dalam: Anindiasuti, P. Hartono dan Sudaryanto. Pembenihan Kerapu Tikus (*Cromileptes altivelis*). Proyek Pengembangan Budidaya Laut Lampung. Hal. 2-7.
- Antoro, S., H.A. Sarwono dan Sudjiharno. 2004. Pembenihan Ikan Kerapu: Biologi Kerapu. Proyek Pengembangan Perekayasaan Teknologi, BBL Lampung.
- Aslim, B., Yuksekdog, Z.N., Sarikaya, E. & Beyatli, Y. 2005. Determination of the bacteriocin-like substances produced by some lactic acid bacteria isolated from Turkish dairy products. *LWT*, **38**: 691-694.
- Balcazar, J.L., I. de Blas, I. Ruiz-Zarzuela, D. Cunningham, D. Vendrell, and J.L. Muzquiz. 2006. The role of probiotics in aquaculture. *Vet. Microbiol.* **114**: 173-186.
- Balcazar, J.L., Vendrell, D., de Blas, I., Ruiz-Zarzuela, I., Muzquiz, J.L. & Girones, O. 2008. Characterization of probiotic properties of lactic acid bacteria isolated from intestinal microbiota of fish. Short communication. *Aquaculture*, **278**: 188-191.

- Barrow, G.I. and R.K.A. Feltham. 1993. Cowan and Steel's manual for the identification of medical bacteria. Cambridge University Press, Cambridge. 329 pp.
- Baumann, P., A.L. Furniss and J.V. Lee. 1984. Genus *Vibrio*. In Kreig N.R. and J.G. Holt (Eds.). Bergeys's Manual of Systematic Bacteriology, Vol. 1. William and Wilkins, Baltimore, Maryland. Pp. 528-550.
- Bucio, A., Hartemink, R., Schrama, J.W., Verreth, J., & Rombouts, F.M. 2004. Screening of lactobacilli from fish intestines to select a probiotic for warm freshwater fish. *Bioscience Microflora*, 23(1): 21-30.
- Bucio, A., R. Hartemink, J.W. Schrama, J. Verreth, and F.M. Rombouts. 2006. Presence of lactobacilli in the intestinal content of freshwater fish from a river and from a farm with a recirculation system. *Food Microbiology*, 23: 476-482.
- Buntin, N., S. Chanthachum, and T. Hongpattarakere. 2008. Screening of lactic acid bacteria from gastrointestinal tracts of marine fish for their potential use as probiotics. *Songklanakarin J. Sci. Technol.* 30 (Suppl.1): 141-148.
- Cai, Y., P. Suyanandana, P. Saman, and Y. Benno. 1999. Classification and characterization of lactic acid bacteria isolated from the intestine of common carp and freshwater prawns. *J. Gen. Appl. Microbiol.* 45: 177-184.
- Cappucino, J.G. & Sherman, N.. 2001. Microbiology. A Laboratory Manual. Sixth Edition. Rockland Community College, New York. 491p.
- Coenye, T. and P. Vandamme. 2003. Extracting Phylogenetic Information from Whole-genome sequencing Projects: the Lactic Acid Bacteria as a test case. *Microbiol.*, 149: 3507-3517.
- Davidson, P.M. and M.E. Parish. 1989. Methods for testing the efficacy of food antimicrobials. *Food Technology*-January 1989: 148-155.
- Deane, E.E. and N.Y. Woo. 2000. Modulated heat shock protein expression during pathogenic *Vibrio alginolyticus* stress of sea bream. *Diseases Aquatic Organisms*, 62 (3): 205-215.
- Desrina, A. Taslihan, Ambariyanto dan S. Suryaningrum. 2006. Uji keganasan bakteri *Vibrio* pada ikan Kerapu Macan (*Epinephelus fuscoguttatus*). *Ilmu Kelautan*. Vol. 11 (3): 119-125.

- Frerichs, G.N. and R.J. Roberts. 1989. The bacteriology of teleosts. In: Roberts, R.J. (Ed.). *Fish Pathology*. Second Ed. Bailliere Tindall, London. Hal. 289-319.
- Jahanbary, M., Rezaei, M., Jami, M., & Nazari, R.M. 2009. Isolation and characterization of *Lactobacillus* species from intestinal contents of Beluga (*Huso huso*) and Persian sturgeon (*Acipenser persicus*). *Iranian Journal of Veterinary Research*, 10 (2): 152-157.
- Jai, N.V., R. Fotadar & N. Buller. 2007. Selection of probiotics by various inhibition test methods for use in the culture of western king prawns, *Penaeus latisulcatus* (Kishinouye). *Aquaculture*, 272: 231-239.
- Jardingsih, R., R.N.R. Napitupulu & T. Yulinery. 2006. Isolasi dan uji resistensi beberapa isolat *Lactobacillus* pada pH rendah. *Biodiversitas*, 7 (1): 15-17.
- Heemstra, P.C. and J.E. Randall. 1993. FAO Species Catalog Vol. 16: Grouper of the World (Family Serranidae, Subfamily Epinephelus and). Rome. Food and Agriculture Organization of the United Nation. 382 p.
- Hjelm, H., O. Bergh, A. Riaza, J. Nielsen, J. Melchiorson, S. Jensen, H. Duncan, P. Ahrens, H. Birkbeck & L. Gram. 2004. Selection and identification of autochthonous potential probiotic bacteria from turbot larvae (*Scophthalmus maximus*) rearing units. *System Appl. Microbiol.* 27: 360-371.
- Holt, J.G., N.R. Kreig, P.H.A. Sneath, J.T. Staley and S.T. Williams. 2000. *Bergey's Manual of Determinative Bacteriology*. Ninth Edition. Lippincott Williams and Wilkins, Philadelphia. 787 pages.
- Huang, R.F. 2005. *Vibrio alginolyticus* in the grouper, *Epinephelus coioides*. *Fish Sci.* 24:1-3 (in Chinese with English abstract).
- Hugh, R. and R. Sakazaki. 1975. International Committee on Systematic Bacteriology, Subcommittee on taxonomy of *Vibrio*, Minutes of Closed Meeting. *J. Syst. Bacteriology*, 25: 389-391.
- Irianto, A., 2005. *Patologi Ikan Teleostei*. Gadjah Mada University Press. Yogyakarta. 256 hal.
- Isnansetyo, A. & Triyanto. 2007. Karakterisasi dan Identifikasi Bakteri Penghasil Antibiotik, Strain S2V2 dan RLP. Laporan Penelitian Fundamental Perguruan Tinggi Tahun Anggaran 2007. Fakultas Pertanian Universitas Gadjah Mada, Yogyakarta. 35 hal.

- loborn, A., J.C. Olsson, A. Westerdahl, P.L. Conway, and S. Kjelleberg. 1997. Colonization in the fish intestinal tract and production of inhibitory substances in intestinal mucus and fecal extracts by *Carnobacterium* sp. K1. *J. of Fish Diseases*, 20: 383-392.
- MacFaddin, J.F., 1983. Biochemical Tests for Identification of Medical Bacteria. Second Edition. Williams & Wilkins, Baltimore, London. 527 p.
- Murdjani, M., 2002. Identifikasi dan Patologi Bakteri *Vibrio alginolyticus* pada Ikan Kerapu Tikus (*Cromileptes altivelis*). Disertasi. Program Pascasarjana Universitas Brawijaya, Malang. 117 hal.
- Nair, P.S. and P.K. Surendran. 2004. Biochemical characterization of lactic acid bacteria isolated from fish and prawn. *Journal of Culture Collection*, 4: 48-52.
- Nikoskelainen, S., A. Ouwehand, S. Salminen, and G. Bylund. 2001. Protection of rainbow trout (*Onchorynchus mykiss*) from furunculosis by *Lactobacillus rhamnosus*. *Aquaculture*, 198: 229-236.
- Nikoskelainen, S., A. Ouwehand, G. Bylund, S. Salminen, and E.M. Lilius. 2003. Immune enhancement of in rainbow trout (*Onchorynchus mykiss*) by potential probiotic bacteria (*Lactobacillus rhamnosus*). *Fish Shellfish Immunol.* 15: 443-452.
- Nitimulyo, K.H., A. Isnansetyo, Triyanto, I. Istiqomah dan M. Murdjani. 2005. Isolasi, identifikasi dan karakterisasi *Vibrio* spp. Patogen penyebab vibriosis pada kerapu di Balai Budidaya Air Payau Situbondo. *Jurnal Perikanan*, Vol. 7 (2): 80-94.
- Pierre S, S. Gaillard, N. Prévot-D'Alvise, J. Aubert, O. Rostaing-Capaillon & D. Leung-Tack. Grouper aquaculture: Asian successes and Mediterranean trials. *Aquatic Conserv: Mar. Freshw. Ecosyst.* 18:297-308.
- Ringo, E. and F.J. Gatesoupe. 1998. Lactic acid bacteria in fish: a review. *Aquaculture*, 160: 177-203.
- Ringø, E. and E. Strøm. 1994. Microflora of Atlantic char, *Salvelinus alpinus* (L.); gastrointestinal flora microflora of free-living fish, and effect of diet and salinity on the intestinal microflora. *Aquacult. Fish Manage.*: 25, 623-629.
- Ringo, E., H.R. Bendiksen and R.E. Olsen. 1997. The effect of dietary fatty acid on lactic acid bacteria with the epithelial mucosa and from faecalia Arctic charr, *Salvelinus alpinus*. *J. Appl. Microbiol.* Submitted.

- Serrano, P.H., 2005. Responsible use of antibiotics in aquaculture. *FAO Fisheries Technical Paper* 469. Food and Agriculture Organization of the United Nations. Rome. 110 p.
- Stamer, J.R., 1979. The lactic acid bacteria: Microbes of diversity. *Food Technol.*, 1: 60-65.
- Sun, Y., H. Yang, Z. Ling, J. Chang and J. Ye. 2009. Gut microbiota of fast and slow growing grouper *Epinephelus coioides*. *African Journal of Microbiology Research* Vol. 3 (11): 713-720.
- Sunyoto, P. 1994. Pembesaran Kerapu dengan keramba Jaring Apung. Penebar Swadaya, Jakarta. Hal. 2, 3 dan 12.
- Taslihan, A., M. Murdjani, C. Pubomartono, dan E. Kusnendar. 2000. Bakteri patogen penyebab penyakit mulut merah pada ikan kerapu tikus (*Cromileptes altivelis*). *Jurnal Perikanan UGM* II (2): 57-62.
- Taufik, P. 2001. Teknologi budidaya laut dan pengembangan sea farming di Indonesia: Bakteri patogen pada ikan kerapu (*Epinephelus* sp.) dan Bandeng *Chanos chanos*. Departemen Kelautan dan Perikanan kerjasama dengan *Japan International Cooperation Agency*. Bogor. Hal. 15.
- Todar, K. 2002. Text book of bacteriology. University of Wisconsin. Wisconsin.
- Tome, Y., Teixeira, P., & Gibbs, P.A.. 2006. Anti-listerial inhibitory lactic acid bacteria isolated from commercial cold smoked salmon. *Food Microbiol.*, 23: 399-405.
- Trust, T.J., and R.A.H. Sparrow. 1974. The bacterial flora in the alimentary tract of freshwater salmonids fishes. *Can. J. Microbiol.* 20: 1219-1228.
- Vaseeharan, B. and P. Ramasamy. 2003. Control of pathogenic *Vibrio* spp. by *Bacillus subtilis* BT23, a possible probiotic treatment for black tiger shrimp *Penaeus monodon*. *Letters in Applied Microbiology*, 36: 83-87.
- Vazquez, J.A., M.P. Gonzalez and M.A. Murado. 2005. Effects of lactic acid bacteria cultures on pathogenic microbiota from fish. *Aquaculture*, 245: 149-161.
- Verschuere, L., G. Rombaut, P. Sorgeloos, and W. Verstraete. 2000. Probiotic bacteria as biological control agents in aquaculture. *Microbiol Mol Biol Rev*, 64 (4): 655-671.