

Daftar Pustaka

- Agus, A. S. 2015. Standar Operasional Pelaksanaan (SOP) Prosedur Teknik Sampling Iktioplankton (Telur dan Larva Ikan). Balai Penelitian Pemulihan Dan Konservasi Sumberdaya Ikan, Kementerian Kelautan dan Perikanan. 3 (2) : 67-79.
- Al-Bahry, S.N., Al-Wahaibi, Y.M., Al-Hinai, B., Joshi, S. J., Elshafiel, A. E., Al-Bemani, A. S., and Al-Sabahi, J. 2016. Potential in Heavy Oil Biodegradation via Enrichment of Spore Forming Bacterial Consortia. Journal of Petroleum Ekaliploration and Production Technology.6 (4) : 787-799.
- Andriani, L., A. Mushawwir, H.A.W. Lengkey, O. Sjofjan, R. Rostika, R. Safitri, S. Abdullah, dan Soeharsono. 2010. Probiotik Basis Ilmiah, Aplikasi dan Aspek Praktis. Widya Padjadjaran, Bandung. 37-44.
- Anjasmara, B., P. G. S. Julyantoro, dan E. Wulandari. 2018. Total Bakteri dan Kelimpahan *Vibrio* pada Budidaya Udang Vannamei (*Litopenaeus vannamei*) Sistem Resirkulasi Tertutup dengan Padat Tebar Berbeda. Current Trends in Aquatic Science. 1 (1) : 1-7.
- Austin, B., Stuckey, L.E., Robertson, P.A.W., Effendi, I., Griffith, D.R.W. 1995. A probiotic strain of *Vibrio alginolyticus* effective in reducing disease caused by *Aeromonas salmonicida*, *Vibrio anguillarum* and *Vibrio ordalii*. J. Fish Dis. 18: 93-96.
- Avnimelech, Y. 2009. Biofloc technology. A practical guide book. The World Aquaculture Society, Baton Rouge. 182-183
- Badireddy, A.R., S. Chellam, S. Yanina, P. Gassman, and K. M. Rosso. 2007. Bismuth Dimercaptopropanol (BisBAL) Inhibits the Ekalipression of Ekalitracellular Polysaccharides and Proteins by *Brevundimonas diminuta*: Implications for Membrane Microfiltration. Biotechnology and Bioengineering. 99 (3) : 634-643.
- Balcazar, J.L., T. Rojas-Luna, and D. P. Cunningham. 2007. Inhibitory Activity of Probiotic *Bacillus subtilis* UTM 126 Against *Vibrio* Species Confers Protection Against Vibriosis in Juvenile Shrimp (*Litopenaeus vannamei*). Current Microbiology. 55: 409-412.
- Collado, M. C., E. Isolauri, S. Salminen, and y. Sanz. 2009. The Impact of Probiotic on Gut Health. Current Drug Metabolism. 10 (1) : 68-78.
- Cordeiro CA, Martin ML & Luciano AB. 2002. Production and properties of α -amylase from thermophilic *Bacillus* sp. Brazilian Journal of Microbiology.33: 57– 61.

- Feliatra, Titania. T, dan Silalahi. S. 2011. Skrining bakteri *Vibrio* sp. Asli Indonesia Sebagai Penyebab Penyakit Udang Berbasis Teknik 16s Ribosomal DNA Jurnal Ilmu Dan Teknologi Kelautan Tropis. 1 (3): 73-77
- Franco, D., Beccari E., Santini T., Pisaneschi G., and G. Teece. 2002. Colony Shape as a Genetic Trait in The Pattern-Forming *Bacillus mycoides*. BMC Microbiology, 2 (33): 1-15.
- Ganesh, E.A., Das, S. Chandrasekar, K. Arun. G. & Balamurugan, S. (2010). Total monitoring of heterotrophic bacteria and *Vibrio* spp. in aquaculture ponds. Journal of the Latest Research in Biological Sciences 2 (1): 48-52.
- Gatesoupe, F.J. 1999. The Use Of Probiotics In Aquaculture. Aquaculture, 180: 147-165.
- Gatlin, I. D.M. and A.M. Peredo. 2012. Prebiotics and probiotics: Definitions and applications. Southern Regional Aquaculture Center (SRAC). Publication Tekalias A & M University. 4711: 1-8.
- Ghosh, S., Sinha A., Sahu C. 2008. Dietary probiotic suplementation in growth and health of live-bearing ornamental fishes. Aquaculture Nutrition, 14: 289-299.
- Gomez-Gil, B., Roque, A., Turnbull, J.F. 2000. The use and selection of probiotic bacteria for use in the culture of larval aquatic organisms. Aquaculture, 191: 259-270.
- Hadioetomo, R.S. 1985. Mikrobiologi Dasar dalam Praktek. PT. Gramedia. Jakarta. 17-19.
- Haliman, R.W. dan Adijaya, D. 2005. Udang Vannamei. Penebar Swadaya. Jakarta. 29-30.
- Han, KALI., and Andrade, R. 2005. *Brevundimonas diminuta* infections and its resistance to fluoroquinolones. Journal of Antimicrobial Chemotherapy 55(6): 853-859.
- Hidayat, S.S., M. C. Undu, dan Rachmansyah. 2013. Tingkat Konsumsi Oksigen Udang Vaname (*Litopenaeus vannamei*) Pada Ukuran Bobot Yang Berbeda. Balai Penelitian dan Pengembangan Budidaya Air Payau. Maros, Sulawesi Selatan. 135-140.
- Holt, J.G., N.R. Kreig, P.H.A. Sneath, J.T. Staley, & S.T. Williams. 2000. Bergey's Manual of Determinative Bacteriology. Ninth Edition. Lippincott Williams and Wilkins, Philadelphia. 787-788.
- Hopkins, J.E., R. Hamilton, P. Sandifer, C. Browdy & A. Stokes. 1993. Effect of water exchange rate on production, water quality, effluent

- characteristics and nitrogen budgets of intensive shrimp ponds. Journal of the World Aquaculture Society, 24(3): 304-320.
- Irianto, A. 2003 . Probiotik Aquakultur. Gadjah mada University Press. Yogyakarta. 125-126.
- Irianto, A. 2005. Patologi Ikan Teleostei. Gajah Mada University Press. Yogyakarta. 256-257.
- Jayasree, L., P. Janakiram and R. Madhavi. 2006. Characterization of *Vibrio* spp. Associated with Diseased Shrimp from Culture Ponds of Andhra Pradesh (India). Journal of The World Aquaculture Society., 37(4): 523-532. .
- Jiravanichpaisal, P., Miyazaki, T., Limsuwan, C., Somjetlerdchalern, A., 1993. Comparative histopathology of vibriosis in black tiger prawn, *Penaeus monodon*. In: Asian Fisheries Society Eds., 2nd Symposium on Diseases in Asian Aquaculture. Asian Fisheries Society. 14-15.
- Karigar CS, Rao SS. 2011. Role of microbial enzymes in bioremediation of pollutants: A review. Enzyme Research. 2011: 1-11.
- Kementerian Kelautan dan Perikanan. 2009. Rencana Strategi Budidaya Udang. Jakarta. 3-5.
- Kharisma, A dan Manan, A. 2012. Kelimpahan bakteri *Vibrio* sp. pada air pembesaran udang vanname (*Litopenaeus vannamei*) sebagai deteksi dini serangan penyakit vibriosis. Jurnal Ilmiah Perikanan Dan Kelautan. Universitas Airlangga. 4(2): 70-73
- Khasani, I. 2007. Aplikasi probiotik menuju sistem budidaya perikanan berkelanjutan. Media Akuakultur, 2(2): 86-90.
- Kim KJ, Park KJ, Cho KS, Nam SW, Park TJ, Bajpa R. 2005. Aerobic nitrification–denitrification by heterotrophic *Bacillus* strains. Bioresource Technology 96: 1897-1906
- Lavilla-Pitogo, C.R., 1993. Bacterial diseases of penaeid shrimps: an Asian view. In: Asian Fisheries Society. Eds., 2nd Symposium on Diseases in Asian Aquaculture. Asian Fisheries Society. 13-14.
- Lee, S., Lee, S., and Kim, C. 2002. Changes in the Cell Size of *Brevundimonas diminuta* Using Different Growth Agitation Rates. PDA Journal of Pharmaceutical Science and Technology. 56 (2): 99-108.
- Leifson, E., and Hugh, R. 1954. A New Type of Polar Monotrichous Flagellation. Microbiology. 10: 68-70.

- Lemos D., Ezquerra J.M., Carreno Gracia F.L. 2000. Protein digestion in penaeid shrimp: digestive proteinases, proteinase inhibitors and feed digestibility. *Aquaculture* 186, 89-105.
- Lesel, R. 1990. Thermal effects on bacterial flora in the gut of rainbow trout and african catfish. In: Lesel, R (Ed) : *Microbiology in Poecilotherms*.Elsevier, Amsterdam, 33-38.
- Lestari, D.E., Utomo, S.B., Sunarko, Virkyanov. 2008. Pengaruh Penambahan Biosida Pengoksidasi Terhadap Kandungan Klorin untuk Pengendalian Pertumbuhan Mikroorganisme pada Air Pendingin Sekunder RSG-GAS. Pusat Reaktor Serba Guna-BATAN. Kawasan Puspitek Serpong. Tangerang. Banten. 51-58.
- Lightner, D.V., 1993. Diseases of Cultured Penaeid Shrimps. In: McVey, J.P. Ed., CRC Handbook of Mariculture, Boca Raton 2(1): 393–486.
- Main, K. L. and R. Laramore. 1999. Shrimp Health Management. Harbor Branch Oceanographic Institution. 9: 221-226.
- Matiasi, H.B., Yusoff, F.M., Shariff, M., & Azhari, O. 2002. Effects of commercial microbial products on water quality on tropical shrimp culture ponds. *Asian Fisheries Sciences*, 15: 239-248
- Muliani, A. Suwanto, Y. Hala. 2003. Isolasi Dan Karakterisasi Bakteri Asal Laut Sulawesi Untuk Biokontrol Penyakit Vibriosis Pada Larva Udang Windu *Penaeus monodon* Fabricius. 10: 6-11.
- Nancib, N., Nancib, A., Boudjelal, A., Benslimane, C., Blanchard, F., and Boudrant, J. 2001. The effect of supplementation by different nitrogen sources on the production of lactic acid from date juice by *Lactobacillus casei* subsp. *rhamnosus*. *Bioresour Technol*. 78:149-53.
- Purwanta, W. dan M. Firdayati. 2002. Pengaruh Aplikasi Mikroba Probiotik Pada Kualitas Kimia Perairan Tambak Udang. *Jurnal Teknologi Lingkungan*. 3(1): 61 -65.
- Putra, A. N. 2010. Kajian Probiotik, Prebiotik dan Sinbiotik untuk Meningkatkan Kinerja Pertumbuhan Ikan Nila (*Oreochromis niloticus*). Tesis. Program Pasca Sarjana. Institut Pertanian Bogor. Bogor. 91 hal.
- Rengpipat, S., A. Tunyanun, A. W. Fast, S. Piyatiratitivorakul, and P. Menasveta. 2003. Enhanced Growth and Resistance to *Vibrio* Challenge in Pond-Reared Black Tiger Shrimp *Penaeus Monodon* Fed a *Bacillus* Probiotic. *Disease of Aquatic Organisms*. 55: 169-173.

- Rengpipat, S., Rukpratanporn S., Piyatiratitivorakul S., Menasaveta P. 2000. Immunity enhancement in black tiger shrimp (*Penaeus monodon*) by a probiont bacterium (*Bacillus* S11). *Aquaculture* 191: 271–288.
- Robertson, P. A. W., J. Calderon, L. Carrera, J. R. Stark, M. Zherdmant, and B. Austin. 1998. Ekalperimental *Vibrio harveyi* infections in *Penaeus vannamei*larvae. *Dis. Aquat. Org.* 32: 151–155.
- Ruangpan, L., Kitao, T., 1991. *Vibrio* bacteria isolated from black tiger shrimp, *Penaeus monodon* Fabricius. *J. Fish Dis.* 14: 383–388.
- Rusdani, MM., Sadikin A., Saptono W., dan Zaenal A. 2016. Pengaruh Pemberian Probiotik *Bacillus* Spp. Melalui Pakan Terhadap Kelangsungan Hidup dan Laju Pertumbuhan Ikan Nila (*Oreochromis Niloticus*). Program Studi Budidaya Kelautan Program Vokasi. Universitas Mataram. 79-81.
- Schaechter M., and Ingraham F.C., 2006, Microbe, ASM Press, Washington DC., 99-102.
- Segers, P., Vancanneyt, M., Pot, B., Torck, U., Hoste, B., Dewettinck, D., Falsen, E., Kersters, K., and De Vos, P. 1994. Classification of *Pseudomonas diminuta* Leifson and Hugh 1954 and *Pseudomonas vesicularis* Busing, Doll, and Freytag 1953 in *Brevundimonas* gen.nov. as *Brevundimonas diminuta* comb. nov. and *Brevundimonas vesicularis* comb. nov., Respectively. *International Journal of Systematic and Evolutionary Microbiology*. 44(3): 499-510.
- Sharma, N. and B. N. Johri. 2003. *Growth Promoting Influence of Siderophore-producing Pseudomonas strains GRP3A and PRS9 in Maize (Zea mays L.) Under Iron Limiting Conditions. Microbiological Research.* 158 (3) : 243-248.
- Sharma, N. and N. Gautam. 2008. *Antibacterial Activity and Characterization of Bacteriocin of Bacillus mycoides Isolated From Whey. Indian Journal of Biotechnology.* 7:117-121
- Sharmila, R., T.J.Abraham, J. Sundararaj.1996. Bacterial flora of semi-intensive pond reared *Penaeus indicus* and the environment. *J.Aquaculture Trop.*, 11: 193-203.
- Silva, U.L., F.P. Melo, R.B. Soares, D.B.N. Spanghero & E.S. Correia. 2009. Efeito da adição do melaço na relação carbono/nitrogênio no cultivo de camarão *Litopenaeus vannamei* na fase berçário. *Acta Scientiarum. Biological Sciences* 31(4): 337-343.
- Son, M., Y. Moon, O. J. Mi, S. B. Han, K. H. Park, K. Jung-Gon, and J. H. Ahn. 2012. Lipase and Protease Double-Deletion Mutant of *Pseudomonas*

- fluorescens* Suitable for Ekalitracellular Protein Production. Journal Applied and Environmental Microbiology. 78 (23): 8454-8462.
- Standar Nasional Indonesia. 2006. SNI 01-7246-2006 : Produksi Udang Vaname (*Litopenaeus vannamei*) di Tambak dengan Teknologi Intensif. Badan Standardisasi Nasional. Jakarta. 4 hal.
- Subagiyo, S. Margino, dan Triyanto. 2015. Pengaruh Penambahan Berbagai Jenis Sumber Karbon, Nitrogen Dan Fosfor pada Medium *deMan, Rogosa and Sharpe* (MRS) Terhadap Pertumbuhan Bakteri Asam Laktat Terpilih Yang Diisolasi Dari Intestinum Udang Penaeid. Jurnal Kelautan Tropis. Vol. 18(3):127–132
- Svensson, U. 1999. Industrial perspective. Probiotics: A Critical Review, ISBN: 1898486. 15(8): 57- 64
- Syafriani, D. 2013. Penapisan Bakteri Termo-amilolitik Dari Sumber Air Panas Sungai Medang Kerinci Jambi. Jurnal Biologi Universitas Andalas. 2(2): 123-125
- Uma, A., Abraham, T.J., Sundararaj,V. 1999. Effect of a probiotic bacterium, *Lactobacillus plantarum* on disease resistance of *Penaeus indicus* larvae. Indian J. Fish. 46(4): 367- 373.
- Vaseeharan B. and Ramasamy P. 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. Docasal. S. F, Prieto. M. A, Gonzalez Ma. P, Murado. M. A. 2008. Growth and metabolic features of lactic acid bacteria in media with hydrolysed fish viscera. An approach to bio-silage of fishing by-products. Bioresource Technology 99: 6.246–6.257.
- Verschueren, L., Rombaut, G., Sorgeloos, P., Verstraete, W. 2000. Probiotic bacteria as biological control agents in aquaculture. J. Microbiol. Mol.Biol. Rev. 64: 655-671.
- Vielle, C and Zeikus. 2001. Hiperthermophilic Enzyme: source, used and molecular Mechanism for thermostability. Microbiol Mol Biol Rev. 65:1-43
- Vijayan K.K., Bright Singh I.S., Jayaprakash N.S. , Alavandi S.V., Somnath Pai S., Preetha R., Rajan J.J.S., Santiago T.C. 2006. A brackishwater isolate of *Pseudomonas* PS-102, a potential antagonistic bacterium against pathogenic vibriosis in penaeid and non-penaeid rearing systems. Aquaculture 251, 192-200.
- Waluyo, L. 2007. Teknik dan Metode Dasar Dalam Mikrobiologi. UMM Press, Malang. 32-38.

Wyban, J. A. and J.N. Sweeny. 1991. Intensive Shrimp Production Technology. The Oceanic Institute Makapuu Point. Honolulu, Hawai USA, 158 hal.

Williams R.A.D., P.A.Lambert, and P.Singleton. 1996. Antimicrobial Drug Action. UK: Scientific Publisher Ltd. 42: 245-248.

Yustianti, M. N. Ibrahim, dan Ruslaini. 2013. Pertumbuhan dan sintasan larva udang vaname (*Litopenaeus vannamei*) melalui substitusi tepung ikan dengan tepung usus ayam. Universitas Haluoleo Kampus Hijau Bumi Tridharma Kendari.Jurnal Mina Laut Indonesia Vol. 01 No. 01 (93 – 103) ISSN : 2303-3959.