

DAFTAR PUSTAKA

- Afolayan, A.J.; Meyer, J.J.M.1997. The antimicrobial activity of 3, 5, 7-trihydroxyflavone isolated from the shoots of *Helichrysum aureonitens*. *J. Ethnopharmacol.*, **57**: 177–181.
- Akbar J. Adriani M. Aisiah S. 2009. *Peranan Kromium (Cr+3) Dalam Metabolisme karbohidrat pada ikan Betok (Anabas testudineus)*. Laporan penelitian hibah kompetitif penelitian strategis nasional, Dikti-Dinas.Unlam, Banjarbaru.
- Al-Marzouk, A.E.1999 Association of *Pseudomonas anguilliseptica* with mortalities in cultures marine orange-spotter grouper, *Epinephelus cocides*, in Kuwait. *Fish Pathol.* **34**:167–8.
- Altschul, S.F., Gish W, Miller W, Myers EW, Lipman DJ.1990. Basic local alignment search tool. *J. Mol. Biol.* **215**:403–410.
- Anderson, D.P. 1974. “Fish Immunology”, dalam Diseases of Fishes, buku ke-4, Snieszko, S.F. & Axelrod, H.R. (ed.). T.F.H. Publications, Ltd. 239 p.
- Anderson, D.P. 1992. Immunostimulant, adjuvant and vaccine carrier in fish: Applications to aquaculture. *Annual Review of Fish Diseases*, 21: 281-307.
- Anggraeni, D., Feliatra, dan Nursyirwani. . 2011. Efektifitas Bakteri Probiotik dari Udang Galah (*Macrobrachium rosenbergii*, de Man) terhadap Bakteri Patogen *Aeromonas hydrophila*, *Pseudomonas stutzeri*, dan *Vibrio alginolyticus*. Artikel Ilmiah Universitas Riau: Riau
- Anmor S, C Rachmanb, S Chaillouc, H Prevostb, X Doussetb, M Zagorecc, E Dufoura, I Chevalliera. 2005. Phenotypic and genotypic identification of lactic acid bacteria isolated from a small-scale facility producing traditional dry sausages. *J Food Microbiol* **22**: 373–382.
- Austin B, and Austin D.A. 1993. *Backterial fish pathogens: diseases in farmed and wild fish*. 2nd ed. Chichester, England: Ellis Horwood Ltd.
- Boothe, D.M., 2001. *Principles of Antimicrobial Therapy*. In Small Animal Clinical Pharmacology and Therapeutics. 1st Ed., Saunders Company, Philadelphia. 125 – 142.
- Brook, G.F., Bufel, J.S. and Ornston, L.N. (19989) *Medical Microbiology*, 19th Edition, A Large Medical Book, San Matters, California, USA.

- Burri R., and A. Stutzer, 1895, Ueber Nitrat zerstorende Bakterin und den durch dieselben bedingten Stickstoffverlust, Zentbl. Bakteriол. Parasitenkd. **1**:257–265, 350–364, 392–398, 442–432.
- Cao Ngoc Diep *, Pham My Cam, Nguyen Hoai Vung, To Thi Lai, Nguyen Thi Xuan My. 2009. Isolation of *Pseudomonas stutzeri* in wastewater of catfish fish-ponds in the Mekong Delta and its application for wastewater treatment. *Bioresource Technology*. **100**:3787–3791.
- Cho, Anna, "Constructing Phylogenetic Trees Using Maximum Likelihood" (2012). *Scripps Senior Theses*. Paper 46. http://scholarship.claremont.edu/scripps_theses/46
- Cladera, A.M.A. Bennasar, M. Barcelo, J. Lalucat and E. Garcia-Valdes, 2004, Comparative genetic diversity of *Pseudomonas stutzeri* genomovars, clonal structure and phylogeny of the species, *J. Bacteriol.* **186**:5239-5248
- Claudia Scotta, 2012, Identification and genomovars assignation of clinical strains of *Pseudomonas stutzeri*, *European Journal of Clinical Microbiology*. **31**(9):2133.
- Clem, L.W., Bly, J.E., Wilson, M., Chinchar, V.G., Stuge, T., Barker, K., Luft, C., Ryczyn, M., Hogan, R.J., van Lopik, T., Miller, N.W. 1996. Fish immunology: the utility of immortalized lymphoid cells — a mini review. *Veterinary Immunology and Immunopathology*. **54**: 137–144.
- Cookson BD. 1998. The emergence of mupirocin resistance: a challenge to infection control and antibiotic prescribing practice. *Journal of Antimicrobial Chemotherapy*. **41**:11–18.
- Cornejo, J., L. Lapierre, D. Iraguen, S. Cornejo, G. Cassus, P. Richter, and B. San Martin. 2011. Study of enrofloxacin and flumequin residues depletion in eggs of laying hen after oral administration. *J.Vet. Pharmacol.Therap.* **35**:67–72.
- Daubin V, Moran NA, Ochman H (2003) Phylogenetics and the cohesion of bacterial enomes. *Science* **301**: 829–832.
- Domenech A., Fernandez-Garayzabal JF., Garcia JA., Cutuli MT., Blanco MM., Gibello A., Moreno MA. and Dominguez L. 1997.Association of *Pseudomonas anguilliseptica* infection with Winter Disease in sea-bream. *Journal of Fish Diseases*. **22**:69–71.
- Dowling, P. M., 2006. *Amynoglycosides In Antimicrobial Therapy* in Veterinary Medicine, 4th ed. Blackwell Publishing, 207–221

- Ellis, A.E. 1989. "The Immunology of Teleost" dalam Fish Pathology, R.J. Roberts (ed.). Bailliere Tindall. London. 135-152 pp.
- Fatchiyah, Arumingtyas, E.L., Widyarti, S., Rahayu, S. 2011. Biologi Molekuler – Prinsip Dasar Analisis. PT. Penerbit Erlangga. Ciracas – Jakarta. 1-185.
- Ferguson HW, Collins RO, Moore M, Coles M, MacPhee DD. 2004 *Pseudomonas anguilliseptica* infection in farmed cod, *Gadus morhua* L. *J Fish Dis.* **27**:249–53.
- Frank C. J. Berthe, Christian Michel, Jean-Francois Bernardet. 1995. Identification of *Pseudomonas anguilliseptica* isolated from several fish species in France. *Disease of Aquatic Organism.* **21**:151–155.
- Fung-Tomc, J.C., Minassian, B., Kolek, B., Huczko, E., Aleksunes, L., Stickle, T., Washo, T., Gradelski, E., Valera, L., and Daniel P. Bonner. 2000. Antibacterial Spectrum of a Novel Des-Fluoro(6) Quinolone, BMS-284756. *Antimicrob. Agents Chemother.* **44**:351–3356.
- Furtado G and Medeiros AA. 1980. Single Disc Diffusion Testing (Kirby-Bauer) of Susceptibility of *Proteus mirabilis* to Chloramphenicol : Significance of The Intermediate Category. *J. of Clin Microbiol.* **12**(4):550–553.
- Garvey J. S, Cremer N.E & Sussdorf D.H. 1977. *Methods in Immunology*. Third Edition. W.A Benjamin, Inc, Canada.
- Giguere, S. 2006. *Microlides, Azalides, and Ketolides. In : Antimicrobial therapy in veterinary medicine.* 4th ed. Blackwell publishing. 191–193
- Hardjosworo S dalam Pengantar Imunologi Veteriner, dari Ian Tizard, departemen Mikrobiologi Veteriner dan Imunologi, Fakultas Kedokteran Hewan Ontario, Universitas Guelph, Kanada, edisi Ke-2, WB Saunders Company 1982. Penerbit Universitas Airlangga (Airlangga University Press) – 1987.
- Herbst, HJ., Lavanchy, D., Braun, D.G. 1983. Grouping of Haemolytic Streptococci by Monoclonal antibodies: determinant Specificity, Cross Reactivity. *Ann. Immunol. (Inst. Pasteur).* **134D**: 349–371.
- Hershkovitz, M.A. and D.D. Leipe. 1998. Phylogenetic analysis. In Baxevanis, A.D. and B.F. Oullette (Eds.). *Bioinformatics a Practical Guide to The Analysis of Genes and Proteins*. John Wiley and Sons, New York.

- Hudson, I. R. 1994. The efficacy of intranasal mupirocin in the prevention of staphylococcal infections: a review of recent experience. *Journal of Hospital Infection*. **27**:81–98.
- Ibrahim A. Arif, Haseeb A. Khan, Ali H. Bahkali, Ali A. Al Homaidan, Ahmad H. Al Farhan, Mohamad Shobrak an Mohamad Al Sadoon. 2015. Comparison of Neighbor-joining and Maximum parsimony Methods for Molecular Phylogeny of Oryx species Using 12S rRNA and 16S rRNA Gene Sequences. *Animal Biology Journal* .**1**:1–9
- Ingram, G.A. 1980. “Substances Involved in The Natural Resistance of Fish to Infection-AReview”. *J.Fish. Bio.*, 16:23-60.
- Isenberg HD., 2004. *Clinical Microbiology Procedures Handbook*, American Society for Microbiology. P. 3.3.2 – 3.3.2.13.
- Ivan M Mukisa, Yusuf B. Byaruhanga, Charles m.b.k., muyanja, matthew aijuka, reidar b. schuller, Stefan sahstrom, thor langsrud and juduth a. narvhus, 2012, influence of cofermentation by amylolytic lactobacillus plantarum and lactococcus lactis strains on the fermentation process and rheology of sorghum prridge, *appl environ microbiol* **7B (15)**: 5220 – 5228.
- Iwama, G. and T. Nakanishi. 1996. *The Fish Immune System. Organism, Pathogen, and Environment*. Academic Press. San Diego. California. USA
- Jawetz, E., Melnick, J. K. And Adelberg, E. A., 1996. *Microbiologi Kedokteran*, Edisi 20, Alih bahasa Edi Nugroho, R.F. Maulany, C.V.EGC, Jakarta.
- Jorge Lalucat, Antoni Bennasar, Rafael Bosch, Elena Garcia Valdes and Norberto J. Palleroni, 2006, Biology of *Pseudomonas stutzeri*, *Microbiol Mol Biol Rev*. **70(2)**:510–547.
- Kaattari S.L. Klemmer J.V & Evans D.A. (1999) Teleost antibody structure simple prototype or elegant alternative *Bulletin of the European Association of fish Pathologist*. **19**: 245–249.
- Kaige, N., T. Miyazaki & S. Kubota. 1990. Opsonic Effect of Antiserum and Complement on Phagocytosis by Macrophages from the Peritoneal Cavity of the Japanese Eel, *Anguilla japonica*.
- Katzung, B.G. 2001. *Basic and clinical pharmacology* 8th ed. McGraw-Hill Comp Inc, California. San Fransisco. **3**:25–36.
- Khalil, S.A,R.H, Saad, T.T, Safaa, M. M, 2010: Studies on *Pseudomonas Septicemia* among cutured *Oreochromus niloticus*, *J. Aquacul.Asssoc.Saudi Arabia*. **(1)**:55–60.

- Köse, M., Öztürk, M., Kuyucu, T., Güneş, T., Akçakap, M., and Sümerkan, B. (2004). Community-acquired pneumonia and empyema caused by *Pseudomonas stutzeri*: A case report. *Turk. J. Pediatr.* **46**:177–178.
- Kurniawan A. 2012. Penyakit Akuatik dan Potensi Budidaya Perikanan dalam www.aquacultureubb.wordpress.com.
- Lalucat, Jorge, A. Bennasar, R. Bosch, E. Garcia-Valdes, N.J. Palleroni. 2006. Biology of *Pseudomonas stutzeri*. *Microbiology and Molecular Biology Reviews.* **70**:510–547.
- Lautrop, H., and O. Jessen. 1964. On the *Distinction Between Polar Monotrichous and Lophotrichous Flagellation in green. Fluorescent Pseudomonads.* *Acta Pathol. Microbiol. Scand.* **60**:588– 598.
- Lay, W. B dan Hastowo, S. 1994. Analisis mikroba di Laboratorium, Edisi I. Raja Grafindo Persada. Jakarta
- Lehman and Neuman, 1996, *Grundriss der Bakteriologie und Lehrbuch der speziellen bakteriologischen Diagnostik*, J.F. Lehman, Muenchen, Germany.
- Levine, R. R. 1978. *Pharmacology : Drug Action and Reactions*. 2nd ed. Little, Brown and Company, Boston, 273
- Liddell, Henry George, Robert Scott, Henry Stuart Jones, 1968, *A Greek – English Lexicon*, Oxford: Clarendon Press. P. 1961.
- Lönnström L, Wiklund T, Bylund G. 1994 *Pseudomonas anguilliseptica* isolated from Baltic herring *Clupea harengus* membras with eye lesions. *Dis Aquat Organ.* **18**:143–147.
- Malole, M.B.M, Pramono, C.S.U. 1989. *Penggunaan hewan-hewan Percobaan di Laboratorium.* Departemen Pendidikan Dan kebudayaan Direktorat Jenderal Pendidikan Tinggi Pusat Antar Universitas Bioteknologi. Institut Pertanian Bogor.
- Maple, P. A., Hamilton-Miller, J. M. & Brumfitt, W. 1992. Comparison of the in-vitro activities of the topical antimicrobials azelaic acid, nitrofurazone, silver sulphadiazine and mupirocin against methicillin-resistant *Staphylococcus aureus*. *Journal of Antimicrobial Chemotherapy* **29**:661–8.
- McPherson, M. J. and Parish, J. H. 1993. Chemical and biochemical manipulations of nucleic acids. *Nat. Prod. Rep.* **10**: 175–197.

- Michel C, Bernadet JF, Dinand D.1992 Phenotypic and genotypic studies of *Pseudomonas anguilliseptica* strains isolated from farmed European eels (*Anguilla anguilla*) in France. *Fish Pathol.*, **27**:229–32.
- Miyazaki T, Egusa S.1977. Histopathological studies of red spot disease of the Japanese eel (*Anguilla japonica*) – I. Natural infection. *Fish Pathol.* **12**:39–49.
- Mizukane R, Hirata Y, Kum, Ishii Y, Furuya N, Ishida K, Koga H, Kohno S, Yamaguchi K. *Comparative in Vitro Exoenzyme-suppressing activities of azithromycin and other macrolide antibiotics against Pseudomonas aeruginosa, Antimicrob Agents Chemother.* 1994 Mar. Departemen of Laboratory Medicine, Nagasaki University School of Medicine, Japan.38(3) 528–33
- Moran, N., and P. Baumann. 1994. Phylogenetics of cytoplasmically inherited microorganisms of arthropods. *Trends Ecol. Evol.*
- Murray, P.R., Baron, E.J., Pfaller, M.A., Tenover, F.C.m and Tenover, R.H. 1995. *Manual Clinical Microbiology*, A. SM Press, Washington, D.C.Pp. 1308–1320, 1327–1334.
- Mulet M., Lalucat J., Garcia Valdes E., 2010, DNA sequence – based analysis of the *Pseudomonas* species, *Environ Microbiol*, **12(6)**: 151–330
- Muroga, K.Nakai,T,sewada T. 1977. Studies red spot disease of pond-cultured eels N. Physiological characteristic of the causative bacterium, *Pseudomonas anguilliseptica*. *Fish Pathology*. **12**: 33–38.
- Mycek, M. M., Harvey, R. A, Champe, P. C. 2001. Lippincotts Illustrated Review: Pharmacology. Lippincott-Raven Publishers. Philadelphia, 283–291
- Nakai T, Hanada H, Muroga K.1985. First records *Pseudomonas anguilliseptica* infection in cultured ayu, *Plecoglossus altivelis*. *Fish Pathol.* **20**:481–4.
- Nei, M. And Kumar, S. 2000. Molecular Evaluation and Phylogenetics. Oxford University Press. 333.
- Ortega–Calvo, J.J.,A.I.Marchenko, A.V. Vorobyov, and R.V. Borovick. 2003. *Chemotaxis in Polycyclic Aromatic Hydrocarbon–Degrading Bacteria Isolated from Coal Tar and Oil Polluted Rhizospheres*. *Fems Microbiol. Ecol.*44:373–381.

- Palleroni, N.J., R. Kunisawa, R. Contopollou, and M. Doudoroff. 1973. Nucleic acids homologies in the genus *Pseudomonas*. *Int. J. Syst. Bacteriol.* **23**:333–339.
- Pangastuti A. 2006. Definisi Spesies Prokaryota Berdasarkan Urutan Basa Gen Penyandi 16s rRNA dan Gen Penyandi Protein. *J Biodiversitas* **7**(3) : 292-296.
- Parales, R. E., A. Fernandez, and C.S. Harwood. 2004. Chemotaxis in *Pseudomonas*, P.793–816. In. J.L. Ramos (ed) *Pseudomonas*, vol. 1. Kluwer. Academic/Plenum Published, New York. N.Y.
- Pilstrom L. 2003. Adaptive Immunity in teleosts, humoral immunity 3rd. *International Symposium on Fish Vaccination*. Bergen, Norway.
- Pudjarwoto,T. , Simanjuntak, C.H., Nur, I.P., 1992, Daya Antimikroba Obat Tradisional Diare terhadap Beberapa Jenis Bakteri Enteropatogen, *Cermin Dunia Kedokteran*, no. 76.
- Puskari, 2015. [Http://gis.bkipm.kkp.go.id/gis](http://gis.bkipm.kkp.go.id/gis). Dipetik 07 02, 2014, dari Sistem Informasi Geografis HPI/ HPIK: www.gis.bkipm.kkp.go.id/gis.
- Rijkers, G.T. 1981. Introduction to fish immunology. *Develop. and Comp. Immunol.*, 5: 527-534.
- Ronald, L.1993, Pathogenesis of Gram negative bacterial infections in warmwater fish. *Annual Review of Fish Diseases*. **3**:37–68.
- Rossello R., Garcia Valdes, J. Lalucat and J. Ursing, 1991, Genotypic and phenotypic diversity of *Pseudomonas stutzeri*, *Syst. Appl. Microbiol.* **14**:150–157.
- Shinoda, S., and K. Okamoto. 1997. Formation and Function of *Vibrio parahaemolyticus* Lateral Flagella. *J. Bakteriol.* 129:1266–1271
- Spiers A.J., A. Buckling and P.B. Rainey, 2000, The causes of *Pseudomonas* diversity, *Microbiology*. **146**:2345–2350.
- Stanier, R. Y., N. J. Palleroni, and M. Doudoroff. 1966. The aerobic *Pseudomonas*: a taxonomic study. *J. Gen. Microbiol.* **43**:159.
- Sulistiyani, N. 2013. Identifikasi Bakteri Indigen Penghasil Protease, Ekstraseluler melalui Analisis Gen Pengkode 16S, rRNA Skripsi. Jurusan Kimia. Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Negeri Malang.

- Tattawasart, U., Maillard, J.-Y., Furr, J.R., Russell, A.D. 1999. Development of resistance to chlorhexidine diacetate and cetylpyridinium chloride in *Pseudomonas stutzeri* and changes in antibiotic susceptibility. *Journal of Hospital Infection*. **42**:219–229.
- Thomson, R.G. 1978. General Veterinary Pathology, W.B Saunders Company, Philadelphia, London, Toronto. 102
- Thompson JD, DG Higgins & TJ Gibson. 1995. CLUSTAL W: Improving the sensitivity of progressive multiple sequence alignment through sequence weighting, Positionspecific gap penalties and and weight matrix choice. *Nucleic Acid Res*. **22**:673–4680.
- Tizard I.R. 2012. Veterinary Immunology an Introduction Seventh Edition. Saunders : United States of America.
- UNEP, 2009, World Fisheries Database, www.unep.org
- Valgas C., de Souza SM., Smânia EFA., Smânia Jr. A. 2007. Screening Methods To Determine Antibacterial Activity Of Natural Products. *Brazilian Journal of Microbiology*. **38**: 369–380.
- Van Niel, C. B. and Allenm, . B. (1952). A note on *Pseudomonas stutzeri*. *Journal of Bacteriology*. **64**:413.
- Wakabayashi, H and Egusa, S,: 1972. Characterization of *Pseudomonas* sp. from an epizootic of pond cultured eel (*Anguilla japonica*) Bull. Japan Soc. Fish. **38**:577–587..
- Wang, G. C. Y., and Jayarao. 2001. Frequency of formation of chimeric molecules is a consequence of PCR coamplification of 16S rRNA genes from mixed bacterial genomes. *Appl. Environ. Microbiol*. **63**:4645–4650.
- Ward, D.M. 1998. A natural species concepts for procaryotes. *Current Opinion in Microbiology* **1**: 271-277.
- Wiklund T, Bylund G. 1990. *Pseudomonas anguilliseptica* as a pathogen of salmonid fish in Finland. *Dis Aquat Organ*. **8**:13–19.
- Woo and Bruno, 1999. Studies on *Pseudomonas* septicaemia among Tilapia fish in Abbassa fish farms, *Egyptian Journal of Aquatic Biology and Fisheries*. **5**:55–64.

- Yamamoto, S dan Harayama, S. 1995. PCR amplification and direct sequencing of *gyrB* genes with universal primers and their application to the detection and taxonomic analysis of *Pseudomonas putida* strains. *Appl. Environ. Microbiol.* **61**(3): 1104–1109.
- Young J. 2004. Respiratory Disease in Chelonians. 2004 Gulf Coast Turtle and Tortoise Society.
- Zloktin A, Eldar A, Hershko H 1998. Possible Transmission of *Streptococcus innae* from Wild Fish to Cultured Marine Fish. *Appl Environ Microbiol.* **64**: 4065–4067.