

DAFTAR PUSTAKA

- Adventine, R. 2016. Identification of *Aeromonas salmonicida* as The Cause of Furunculosis Disease on Gouramy (*Osporonemus gouramy*) Using Conventional and Polymerase Chain Reaction. Skripsi. Fakultas Kedokteran Hewan. Universitas Airlangga. Surabaya. hal 1-33.
- Anggraini, R., D. Aliza, & S. Mellisa. 2016. Identifikasi Bakteri *Aeromonas hydrophila* dengan Uji Mikrobiologi pada Lele Dumbo (*Clarias Gariepinus*) Dibudidayakan di Kecamatan Baitussalam Kabupaten Aceh Besar. Jurnal Ilmiah Mahasiswa Kelautan Perikanan Unsyiah, 1 (2) : 270-286.
- Antriana, N. 2014. Isolasi Bakteri Saluran Pencernaan Rayap Pekerja (*Macrotermes* spp.). Jurnal Saintifika, 16 (1) : 18-28.
- Ashari, C., A. Reiny, Tumbol & M. E. F. Kolopita. 2014. Diagnosa Penyakit Bakterial pada Ikan Nila (*Oreochromis niloticus*) yang di Budi Daya pada Jaring Tancap di Danau Tondano. Jurnal Budidaya Perairan, 2 (3) : 24-30.
- Asy'ari, M & A. S. Noer. 2005. Optimasi Konsentrasi MgCl₂ dan Suhu Annealing pada Proses Amplifikasi Multifragments mtDNA dengan Metoda PCR. Jurnal Kimia Sains dan Aplikasi, 8 (1) : 23-27.
- Austin, B & D. A. Austin. 2007. Bacterial Fish Pathogens : Disease of Farmed and Wild Fish. Ellis Horwood Limited. England. pp. 215.
- Austin, D. A., McIntosh & B. Austin. 1989. Taxonomy of Fish Associated *Aeromonas* spp., with The Description of *Aeromonas salmonicida* subsp. *smithia* subsp. nov. Journal of System Applied. Microbiology, 11 : 277-290.
- Beaz-Hidalgo, R. G. E Magi., S. Balboa., J. L Barja & J. LRomalde. 2008. Development of a PCR Protocol for the Detection of *Aeromonas salmonicida* in Fish by Amplification of the *fstA* (ferric siderophore receptor) gene. Veterinary Microbiology 128, pp. 386-394.
- Belland, R. J., T. J. Trust. 1988. DNA : DNA Reassociation Analysis of *Aeromonas salmonicida*. Journal of Genetic Microbiology , 134 : 307-315.
- Bernoth E. M. 1989. Presence of *Aeromonas salmonicida* in Fish Tissue May be Overlooked by Sole Reliance on Furunculosis Agar. Journal Bull. Eur. Ass. Fish Pathology. 9 : 5-6.

- Bohm, K. H., H. Fuhrmann., H. J. Schlotfeldt & W. Korting. 1986. *Aeromonas salmonicida* from Salmonids and Cyprinids - Serological and Cultural Identification. *Journal Veterinary.Medical.B*, 33 : 777-783.
- Bullock, G. L. & H. M. Stuckey. 1987. Studies on Vertical Transmission of *Aeromonas salmonicida*. *Journal Fish Cultivation*, 49 : 302-303.
- Cappuccino. J. C, Sherman. N. 2005. *Microbiology-A laboratory Manual. 6thEd.*, Pearson Education (Singapore), Indian branch, Dehli, India. pp: 280-285.
- Chapman, P. F., R. C. Cipriano & J. D. Teska. 1991. Isolation and Phenotypic Characterization of an Oxidase-negative *Aeromonas salmonicida* Causing Furunculosis in Coho Salmon (*Oncorhynchus kisutch*). *Journal of Wildl.Disease*, 27 : 61-67.
- Cipriano, R. C & B. Austin. 2011. Furunculosis and Other Aeromonad Diseases. *In* : Woo, P. T & D. W. Bruno (eds). *Fish Diseases and Disorders, Vol 3. Viral, bacterial and Fungal Infections*. CABI, Wallingford.New York. pp. 424-483.
- Cipriano, R. C. & G. L. Bullock. 2001. Furunculosis and Other Disease Caused by *Aeromonas salmonicida* : Fish Disease Leaflet 66. U.S. Fish and Wildlife Service. pp. 33.
- Cunningham, C. O. 2002. Molecular Diagnosis of Fish and Shellfish Diseases: Present Status and Potential Use in Disease Control. *Aquaculture*, 206 : 19-55.
- Dalsgaard, I., B. Nielsen & L. Larsen. 1994. Characterization of *Aeromonas salmonicida* subsp. *salmonicida*: a Comparative Study of Strains of Different Geographic Origin. *J.Applied.Bacteriology*, 77 : 21-30.
- Direktorat Jenderal Perikanan Budidaya. 2017. Laporan Kinerja 2017 Direktorat Jenderal Perikanan. hal. 37-38.
- Duff, D. C. B & B. J Stewart. 1933. Studies on Furunculosis of Fish in British Columbia. *Journal Contributions to Canadian Biology.Fisheries*, 8 : 104-122.
- Figueras, M.J., A. Alperi, R. Beaz-Hidalgo, E. Stackebrandt, E. Brambilla, A. Monera & A. J. Martínez-Murcia. 2011. *Aeromonas rivuli* sp. nov., Isolated from the Upstream Region of a Karst Water Rivulet in Germany. *International Journal of Systematic and Evolutionary Microbiology*, 61 : 242-248.
- Fitri, L & Y. Yasmin. 2011. Isolasi dan Pengamatan Morfologi Koloni Bakteri Kitinolitik. *Jurnal Biologi Edukasi*, 3(2) : 20-25.

- Griffin, P. J., S. F. Snieszko & S. B. Friddle. 1953. A More Comprehensive Description of *Bacterium salmonicida*. Journal Transaction American Fisheries Society, 82 : 129-138.
- Gustafson, C.E., C. J Thomas & J. T Trust. 1992. Detection of *Aeromonas salmonicida* from Fish by Using Polymerase Chain Reaction Amplification of the Virulence Surface Array Protein Gene. Applied and Environmental Microbiology 58, pp. 3816-3825.
- Handoyo, D & A. Rudiretna. 2000. Prinsip Umum dan Pelaksanaan Polymerase Chain Reaction (PCR). Unitas, 1 (9) : 18-29.
- Haryani, A. 2012. Uji efektivitas daun pepaya (*Carica papaya*) untuk pengobatan infeksi *Aeromonas hydrophila* pada ikan mas koki (*Carassius auratus*). Skripsi. Program studi sarjana perikanan. Universitas padjadjaran. Hal. 54.
- Hiney, M. & G. Oliver. 1999. Furunculosis (*Aeromonas salmonicida*). In : Woo, P. T. K., & D. W. Bruno (eds) Fish diseases and disorders. Vol 3. CAB International Publishing, Wallingford. New York. p. 341-425.
- Hiney, M., M. T Dawson., D. M Heery., P. R. Smith., F. Gannon & R. Powell. 1992. DNA Probe for *Aeromonas salmonicida*. Applied and Environmental Microbiology 58, pp. 1039-1042.
- Husein, U. 2013. Penelitian untuk Skripsi dan Tesis .Rajawali Press. Jakarta. hal. 350.
- Joko, T., N. Kusumandari, & S. Hartono. 2011. Optimasi Metode PCR untuk Deteksi *Pectobacterium carotovorum*, Penyebab Penyakit Busuk Lunak Anggrek. Jurnal Perlindungan Tanaman Indonesia, 17 (2) : 54-59.
- Kadriah, I. A. K., E., S. Susianingsih, Sukenda, M. Yuhana, & E. Harris. 2014. Desain Primer Spesifik untuk Deteksi Dini Penyakit Vibriosis pada Udang Penaeid. Jurnal Riset Akuakultur, 8 (1) : 131-143.
- Karimela, E. J., F. G. Ijong & H. A. Dien. 2017. Karakteristik *Staphylococcus aureus* yang Di Isolasi Dari Ikan Asap Pinekuhe Hasil Olahan Tradisional Kabupaten Sangihe. Scientific Journals of Bogor Agricultural University, 20 (1) : 188-98.
- Kismiyati, S. Subekti, W. N. Yusuf & R. Kusdarwati. Isolasi dan Identifikasi Bakteri Gram Negatif pada Luka Ikan Maskoki (*Carassius auratus*) Akibat Infestasi Ektoparasit *Argulus* sp. Jurnal Ilmiah Perikanan dan Kelautan, 1 (2) : 130-132.

- Ledouble, S. M., G. Kumar., M. Saleh & M. El- Matbouli. 2016. *Aeromonas salmonicida* : Updates on an Old Acquaintance. *Journal Disease of Aquatic Organisme*, 120 : 49-68.
- Lestari, I. D., Mulyadi & I. Putra. 2014. Rearing of African Catfish (*Clarias gariepinus*) with High Stocking Density in Bioflock Techniques. *Journal Online Mahasiswa Bidang Perikanan dan Ilmu Kelautan*, 1 (1) : 1-11.
- Macfaddin, J.F 1980. *Biochemical test for identification of medical bacteria williams and wilkins*. London.
- Madigan, T. M., J. M. Martinko & J. Parker. 2000. *Brock Biology of Microorganism*. Ninth Edition. Practice Hall International Inch. New Jersey. pp. 215.
- Madinawati., N. Serdiati & Yoel. 2011. Pemberian Pakan yang Berbeda Terhadap Pertumbuhan dan Kelangsungan Hidup Benih Ikan Lele Dumbo (*Clarias gariepinus*). *Media Litbang Sulteng*, 4 (2) : 83-87.
- Maisehala, B., Suparmono, R., Diantara & M. Muhaemin. 2013. Pengaruh Fotoperiode Terhadap Pertumbuhan Lele Dumbo (*Clarias gariepinus*). *Jurnal Rekayasa dan Teknologi Budidaya Perairan*, 1 (2) : 145-150.
- McCarthy, D. H. 1977. The Identification and Significance of Atypical Strains of *Aeromonas salmonicida*. *Bull.Off.international Epizootology*, 87 : 459-463.
- Miyata, M., V. Inglis & T. Aoki. 1996. Rapid Identification of *Aeromonas salmonicida* subspecies *salmonicida* by the Polymerase Chain Reaction. *Aquaculture* 141, pp. 13-24.
- Murniarti M. S., Brojo, Setiawan & Williandi. 2004. *Penuntun Praktikum Ikhtiologi Ikan*. IPB Press, Bogor. hal. 204.
- Mustahal, M & A. Waqiah. 2012. Identification of Bacteria which Infected The Garra Rufa Fish *Cyprinion Macrostomus* at Quarantine Office of Soekarno-Hatta Airport. *Jurnal Perikanan dan Kelautan*, 2 (2) : 67-68.
- Nugroho, L., Kurniasih, M., dan Amanu, S. 2016. Fenotip dan Genotip Bakteri *Aeromonas salmonicida* subspecies *salmonicida* pada Ikan Mas (*Cyprinus carpio*). Thesis. Universitas Gajah Mada Yogyakarta. Hal 1-45
- Nazir, M. 2011. *Metode Penelitian Cetakan 6*. Penerbit Ghalia. Bogor. hal. 486.

- Nielsen, B., J. E. Olsen & J. L. Larsen. 1994. Ribotyping of *Aeromonas salmonicida* subsp. *salmonicida*. *Journal Disease Aquatic Organism*, 18 : 155-158.
- Nilsson, W. B., N. Gudkovs & M. S. Strom. 2006. Atypical Strains of *Aeromonas salmonicida* Contain Multiple Copies of Insertion Element ISAs4 Useful as a Genetic Marker and a Target for PCR assay. *Diseases of Aquatic Organisms* 70, pp. 209-217.
- Nivedita, P & K. Das. 2018. Polymerase Chain Reaction as a Diagnostic Tool in Human Viral Myocarditis. *Journal Practice Cardiovac Science*, 1: 168-175.
- Okomoda, T. V., I. C. C. Koh., A. Hassan., T. Amornsakun & S. M. Shareza. 2018. Morphological Characterization of The Progenies of Pure and Reciprocal Crosses of *Pangasianodon hypophthalmus* (Sauvage, 1878) and *Clarias gariepinus* (Burchel, 1822). *Scientific Reports*. 8 : 3827.
- Pusat Karantina Ikan. 2000. Prosedur Pemeriksaan Bakteri *A. salmonicida* Dinas Kelautan dan Perikanan. Jakarta. hal. 6.
- Popoff, M. 1984. Genus III. *Aeromonas* Kluver and Van Niel 1936, 398AL. In: Krieg NR, Holt JG(eds) *Bergey's Manual of Systematic Bacteriology*. Baltimore, USA. pp. 545-548.
- Rahayu, S. A & M.H. Gumilar. 2017. Uji Cemarkan Air Minum Masyarakat Sekitar Margahayu Raya Bandung dengan Identifikasi Bakteri *Eshericia coli*. *IJPST*, 4 (2): 50-56.
- Rejeki, S., Triyanto & Murwantoko. 2016. Isolasi dan Identifikasi *Aeromonas* spp. dari Lele Dumbo (*Clarias* sp.) Sakit di Kabupaten Ngawi. *Jurnal Perikanan Universitas Gadjah Mada*, 18 (2) : 55-60.
- Rintamäki., P & E.T. Valtonen. 1991. *Aeromonas salmonicida* in Finland: Pathological Problems Associated with Atypical and Typical Strains. *Journal Fish Disease*, 14 : 323-331.
- Romola, R., Nofrizal & I. Syofyan. 2014. Study on Catfish (*Clarias bathracus*) Behavior in The Capture Process by Pvc Trap. *Jurnal Online Mahasiswa Fakultas Perikanan dan Ilmu Kelautan Universitas Riau*, 1 (1) : 1-9.
- Saanin. 1984. *Taksonomi & Kunci Identifikasi Ikan*. Volume I. Bina Rupa Aksara. Jakarta. hal. 212.

- Safrida, Y. D., C. Yulvizar & C. N. Devira. 2012. Isolasi dan Karakterisasi Bakteri Berpotensi Probiotik Pada Ikan Kembung (*Rastrelliger* sp.). *DEPIK Jurnal Ilmu-Ilmu Perairan, Pesisir dan Perikanan*, 1 (3) : 200-203.
- Sitio, M. H.F., D. Jubaedah & M. Syaifudin. 2017. Kelangsungan Hidup dan Pertumbuhan Benih Ikan Lele (*Clarias* sp.) pada Salinitas Media yang Berbeda. *Jurnal Akuakultur Rawa Indonesia*, 5 (1) : 83-96.
- Smith, I. W. 1963. The Classification of "Bacterium salmonicida". *Journal Genetic Microbiology*, 33 : 263-274.
- Soriano-Vargas, E, G. Castro-Escarpulli, M. G Aguilera-Arreola, F. Vega-Castillo & C. Salgado-Miranda. 2010. Aislamiento e identificación de *Aeromonas bestiarum* a partir de carpa común de cultivo (*Cyprinus carpio* L.) procedentes de Santa María Chapa de Mota, Estado de México, México. *Veterinaria México*, 41 : 111-115.
- Starliper, C. E., D. R. Smith DR & T. Shatzer. 1998. Virulence of *Renibacterium salmoninarum* to salmonids. *Journal Aquatic Animal Health*, 9 : 1-7.
- Supriyadi, H & L. Gardenia. 2010. *Streptococcosis* pada Ikan Nila (*Oreochromis niloticus*) Budidaya di Danau Maninjau. Pusat Riset Perikanan Budidaya. Jakarta. *Prosding Forum Inovasi Teknologi Akuakultur*. (1) : 905-910.
- Svendsen, Y. S., R. A. Dalmo & J. Bogwaldt. 1999. Tissue Localization of *Aeromonas salmonicida* in Atlantic salmon, *Salmo salar* L., Following Experimental Challenge. *Journal Fish Disease*, 22 : 125-131.
- Sya'baniar, L., E. Erina & A. Sayuti. 2017. Isolasi dan Identifikasi Bakteri Asam Laktat (Bal) Genus *Lactobacillus* dari Feses Orangutan Sumatera (*Pongo abelii*) Di Kebun Binatang Kasang Kulim Bangkinang Riau. *Jurnal Ilmiah Mahasiswa Veteriner*, 1 (3) : 351-359.
- Teska, J. D. 1993. *In vitro* Growth Enhancement of *Renibacterium salmoninarum*: the aetiology of bacterial kidney disease. *Biomedical Letters*, 48 : 27-33.
- Toelle, N. N & L. Viktor. 2014. Identification and Characteristics of *Staphylococcus* sp. and *Streptococcus* sp. Infection of Ovary in Commercial Layers. *Jurnal Ilmu Ternak*. 1 (7) : 32-37.
- Toranzo, A. E., Y. Santos., S. Noéñez., & J. L Barja. 1991. Biochemical and Serological Characteristics, Drug Resistance and Plasmid Profiles of Spanish Isolates of *Aeromonas salmonicida*. *Gyobyo Kenkyu*, 26 : 55-60.

- Wahyudi, Tri Harsono. 2007. Pengaruh Suhu Annealing dan Jumlah Siklus yang Berbeda Pada Program PCR Terhadap Keberhasilan Iolasi dan Amplifikasi mtDNA Ikan Patin (*Pangasius hypothalmus*). Skripsi.Bogor: ITB. hal. 33.
- Wassenbergh, S. V. 2005. Scalling of Suction-Feeding Kinematics and Dynamics in The African Catfish (*Clarias gariepinus*). Journal of Experimental Biology, 208 (11) : 2103-2114.
- Wichardt, U. P., N. Johansson & O. Ljungberg. 1989. Occurrence and Distribution of *Aeromonassalmonicida* Infections on Swedish Fish Farms, 1951-1987. Jurnal Aquatic.Animal.Health, 1 : 187-196.
- Yusuf, Z. K. 2010. Analisis RAPD (Random Amplified Polymorphic DNA) untuk Diferensiasi Mycobacteriun tuberculosis isolat klinik sensitif INH dan Rifampisin di Makassar. Jurnal Sainstek, 5 (1) : 7.