

DAFTAR PUSTAKA

- Abbot, S.L., Sharon, W., Cheung, K.W., and Janda J.M. (2003). *The Genus Aeromonas : Biochemical Characteristics, Atypical Reaction, and Phenotypic Identification Schemes*. J. Clin. Microbiol. 41(6):2348
- Al-Fatllawy, H.N.K., and Al-Ammar, M.,H. (2013). *Molecular Study of Aeromonas hydrophila isolated from Stool sample in Najaf (Iraq)*. International Journal of Microbiology Research. ISSN: 0975-5276 & E-ISSN : 0975-9174, Volume 5, Issue 1.
- Allen, M.E. (2013). *MacConkey Agar Plate Protocols*. American Society for Microbelibrary. Tersedia [online] : <http://http://www.microbelibrary.org/component/resource/laboratory-test/3203-citrate-test-protocol>. Diunduh pada 12 Juni 2013.
- Arthi, K., Appalaraju, B., & Parvathi, S. (2003). *Vancomycin sensitivity and KOH String Test as an Alternative to Gram Staining of Bacteria*. Indian Journal of Medical Microbiology. 21,(2),121-123
- Austin, B., and Austin, D.A. (2007). *Bacterial Fish Patogen Disease of Farm and Wild Fish Forth Edition*. Praxis Publishing Ltd. Chisester,UK.
- Awan, B.M., Ahmed M.M., Bari, A., and Saad, A.M. (2005). *Biochemical Characterization Of The Aeromonas Species Isolated From Food And Environment*. Pak J Physiol;1(1-2)
- Beaz-Hidalgo, R., Alperi, R., Buján, N., Romalde, J.L., Figueras, M.J., (2010). *Comparison of phenotypical and genetic identification of Aeromonas strains isolated from diseased fish*. Systematic and Applied Microbiology 33, 149–153.
- Braun, M., Stabungr, K., Schlatter, Y., Wahli, T., Kuhnert, P., and Frey, J. (2002). *Characterization of an ADP-Ribosyltransferase Toxin (aext) from Aeromonas salmonicida subsp. Salmonicida*. Journal of Bacteriology, Apr. p. 1851–1858
- Buxton, R. (2013). *Blood Agar Plate and Hemolysis Protocol*. American Society for Mycrobiology. ASM Microlibrary. Tersedia [Online] : <http://www.http://www.microbelibrary.org/component/resource/laboratory-test/2885-blood-agar-plates-and-hemolysis-protocols>. Diunduh pada 8 Juni 2013.

- Camus, A.C., Duborow, R.M., Hemstreet, W.G., Thune, R.L., Hawke, J.P. (1998). *Aeromonas Bacterial Infection-Motile Aeromonad Septicemia*. Southern Regional Aquaculture Center. SRAC Publication No. 478.
- Cappucino, J.G. & Sherman, N. (2005). *Microbiology : A Laboratory Manual*. California : The Benjamin Comings Publishing Company. Inc.
- Carvalho-castro, G.A., Lopes, C.O., Leal, C.A.G., Cardoso, P.G., Leite, R.C., & Figueredo, H.C.P. (2010). *Detection of Type III Secretion system Genes in Aeromonas hydrophila their Relationship with Virulence in Nile Tilapia*. 144.(6).371-376
- Cascon, A., Anguita, J., Hernanz, C., Sa'nchez, M., Ferna'ndez, M., And Naharro, G. (1996). *Identifcation of aeromonas hydrophila hybridization group 1 by PCR assays*. Applied and environmental microbiology, apr. p. 1167–1170
- Case, R.J., Bouche r, Y., Dahllorf, I., Holmstrom, C., Doolittle, W.F. & Kjelleberg, S.(2007): *Use of 16S rRNA and rpoB genes as molecular markers for microbial ecology studies*. – Appl. Env. Mic. Biol. 73: 278–288.
- Cipriano, R.C. (2001). *Aeromonas hydrophila and Motile Aeromonad Septicemia in Fish*. United State Departement of Interior. U.S Fish & Eildlife Publication Paper 134.
- Cipriano, R. C., and Bullock, G.L. (2001). *Furunculosis and Other Disease Caused by Aeromonas salmonicida*. Fish Disease Leaflet 66. Tersedia [Online] : cop.extension.org/mediawiki/files/b/b7/Furunculosis.pdf. Diunduh pada 5 April 2013.
- Dalynn Biologicals. (2005). *Sulfide Indole Motility Medium (SIM) for in vitro use only*. Catalogue No. TS58. Tersedia [online] : <http://http://www.dalynn.com/docs/TS58-03.pdf>. Diunduh pada 12 April 2013.
- Dharmayanti, I.N.L.P. (2011). *Filogenetika Molekuler : Metode Taksonomi Organisme Berdasarkan Sejarah Evolusi*. Balai Besar Penelitian Veteriner. Tersedia [online] : <http://peternakan.litbang.deptan.go.id/fullteks/wartazoa/wazo211-1.pdf>. Diunduh pada 5 Februari 2013.
- Di-Bari, M., Hachich, E. M., Melo, A. M. J., Sato, M. I. Z. (2007). *Aeromonas Spp. And Microbial Indicators In Raw Drinking Water Souces*. Brazilian Journal Of Microbiology, V.38, P.516-521.

- Dooley, J.S.G., and Trust, T.J. (1988). *Surface Protein composition of Aeromonas hydrophila virulent for fish : identification of a Surface array protein*. J. Bacteriol. 170: 499-506
- Drancourt, M., Bollet, C., Carlioz, R., Martelin, R., Gayral, J. P. & Raoult, D. (2000). *16S ribosomal DNA sequence analysis of a large collection of environmental and clinical unidentifiable bacterial isolates*. J Clin Microbiol 38, 3623–3630.
- Dror, M., Sinyakov, M.S., Okun, E., Dym, M., Sredni, B. and Avtalion, R.R. (2006). *Experiment alhandhng stress as infection-facilitating factor for the goldfish ulcerative disease*. Veterinary Immunology and Immunopathology 109, 279-287.
- EPA. (2006). *Aeromonas : Human Health Criteria Document*. Health and Ecological Criteria Division Office of Science and Technology Office of Water. U.S Enviromental Protection Agency : Wahington.
- Erdem, B., Kariptas, E., Cil, E., Isik, I. (2011). *Biochemical Identifications and Numerical Taxonomy of Aeromonas spp. isolated from Food Sample in Turkey*. Turk J Biol 35. 463-472
- Figueredo, H.C.P., Carvalho-Castro, G.A., Lopes, C.O., Leal, A.A.G., Gardoso, P.G., & Leite, R.C. (2010). *Detection of type III secretion genes in Aeromonas hydrophila and their relationship with virulence in Nile tilapia*. Veterinary Microbiology 144, 371-376
- Figueras, M.J., Soler, L., Chacón, M.R., Guarro, J., Martinez-Murcia, A.J., (2000). *Extended method for discrimination of Aeromonas spp. by 16S rDNA RFLP analysis*. International Journal of Systematic and Evolutionary Microbiology 50, 2069–2073.
- Graf, J. (1999). *Diverse Restriction Fragmen Length Polymorphism Pattern of the PCR-Amplified 16S rRNA Genes in Aeromonas veronii Strain and Possible Misidentification of Aeromonas Species*. Journal of Clinical Microbiology, Oct., p. 3194-3297
- Handoyo, D., dan Rudineta, A. (2001). *Prinsip Umum dan Pelaksanaan Polimerase Chain Reaction (PCR) (General principle and Implementation of Polimerase Chain Reaction)*. Unitas, Vol 9. No. 1. September 2000-Februari 2001, 17-29.
- Hidayat, T., dan Pancoro, A. (2008). *ULASAN Kajian Filogenetika Molekuler dan Peranannya dalam Menyediakan Informasi Dasar untuk Meningkatkan Kualitas Sumber Genetik Anggrek*. Jurnal AgroBiogen 4(1):35-40

- Hill, K. E., Davies, C. E., Wilson, M. J., Stephen, P., Harding, K. G., & Thomas, D. W. (2003). *Molecular Analysis of the Microflora in Chronic Venous Leg Ulceration*. *Journal of Medical Microbiology*, 52: 365-369
- Holt, J.G., Krieg, N.R., Sneath, P.H.A., Stakey, J.K., & William, S.T. (1994). *Bergey's manual of determinative bacteriology ninth edition*. Vol.1, Baltimore, The Williams and Wilkins Co.
- Hube, B., Stehr, F., Bossenz, M., Mazur, A., Kretschmar, M., Schafer, W. (2000). *Secreted lipases of Candida albicans: cloning, characterisation and expression analysis of a new gene family with at least ten members*. *Arch. Microbiol.* 174 (5): 362–374.
- Illanchezian, S., Jayaraman, S.K., Manoharan, M.S., Valsalam, S. (2010). *Virulence and Citotoxicity of Seafood Borne, Aeromonas hydrophila*. *Brazilian Journal of Microbiology*, 41: 978-983. ISSN 1517-8382
- Janda, J.M., Abbott, S.L., (2010). *The genus Aeromonas: taxonomy, patogenicity, and infection*. *Clinical Microbiology Reviews* 23, 35–73.
- Jayavignesh, V., Kannan, K.K., Bath, A.D. (2011). *Biochemical Characterization and Citotoxicity of the Aeromonas hydrophila Isolated from Catfish*. CODEN (USA) AASRC9 ISSN 0975-508x
- Kingombe, C.I.B., D'Aoust, J., Huys, G., Hoffmann, L., Rao, M., and Kwan, J. (2010). *Multiplex PCR Method for Detection of Three Aeromonas Enterotoksin Genes*. *Applied and Enviromental Microbiology*, page 425-433.
- Kosugi Y., Tanaka H., & Tomizuka, N. (1990). *Continuous hydrolysis of oil by immobilized lipase in a countercurrent reactor*. *Biotechnol. & Bioengin.*, 36 (6), 617-622.
- Kupfer, M., Kuhnert, P., Bozena, M., Peduzzi, R., and Demarta, A. (2006). *Genetic Relationship of Aeromonas Strain Inferred from 16S rRNA, gyrB, and rpoD gene sequence*. *Int. J. Syst.* 56, 2743-2751.
- Lee, S., Kim, S., Oh, Y., Lee, Y. (2000). *Characterization of Isolated Aeromonas hydrophila from Rainbow Trouts in Korea*. *The Journal of Microbiology*, March, p1-7.S
- Li, S., Pearl D., and Doss, H. (1999). *Phylogenetic Tree Construction Using Markov Chain Monte Carlo*. Fred Hutchinson Cancer Research Center Washington. Tersedia [online] : <http://web.stat.ufl.edu/~doss/Research/mc-trees.pdf>. Diunduh pada 27 Mei 2013.

- Li, J., Ni, X.D., Liu, Y.J., and Lu, C.P. (2011). *Detection of Three Virulence Genes *alt*, *ahp*, and *aerA* in *Aeromonas hydrophila* and their Relationship with Actual Virulence to Zebrafish*. Journal of Applied Microbiology ISSN 1364-5072.
- MacWilliam, M.P. (2013). *Citrate Test Protocol*. American Society for Microbelibrary. Tersedia [online] : <http://http://www.microbelibrary.org/component/resource/laboratory-test/3203-citrate-test-protocol>. Diunduh pada 12 Juni 2013.
- Madigan, M.T., Martinko, J.M., Dunlap, P.V., Clark, D.P. (2008). *Biology of Microorganisms 12th edition*. San Francisco: Pearson. Hal:719-720
- Martinez-Murcia,A.J., Benlloch, S., and Collins, M.D. (1992). *Phylogenetic Interrelationship of member of genera *Aeromonas* and *Plesiomonas* as determine by 16S ribosomal DNA sequencing; lack of congruence result of DNA-DNA hybridization*. Int. J. of Systematic Bacteriology, P. 412-421
- Martinez-Murcia,A.J., Soler, L., Saavedra, M.J., Chacon, M.R., Guarro, J.,Stackebrandt, E., Figueras, M.J. (2005). *Phenotypic, genotypic, and phylogenetic discrepancies to differentiate *Aeromonas salmonicida* from *Aeromonas bestiarum**. International Mycrobiology 8: 259-269.
- Monfort, P., & Beleux, B. (1991). *Distribution and Survival of Motil *Aeromonas* spp. in Brackish Water Receiving Sewage Treatment Effluent*. Appn. Environt. Microbiol, 57(9),2459.
- Morandi, A., Zhaxybayeva, O., Gogarten, J.P., Graf, J. (2005). *Evolutionary and diagnostic implications of intragenomic heterogeneity in the 16S rRNA gene of *Aeromonas* strains*. J Bacteriol 187: 6561–6564.
- Nazir, M. 1988. *Metodologi Penelitian*. Ghalia Indonesia : Jakarta.
- Ogara, W.O., Mbuthia, P.G., Kaburia, H.F.A., Somm, H., Kagunya, D.K., Nduthu, D.L & Colquhoun, D. (1998). *Motile aeromonads associated with rainbow trout (*Oncorhynchus mykiss*) mortality in Kenya*. Bulletin of the European Association of Fish Pathologists 18,7-9.
- Ottaviani, D., Parlani, C., Cittero, B., Massini, L., Leoni, F., Canonico, C., Sabatini, L., Bruscolini, F., Pianetti, A. (2011). *Putative Virulence Properties of *Aeromonas* Strain Isolatd from Food, Environmental, and Clinical Sources in Italy: Comparative Study*. Int J Food Microbiol, 144 (3): 538-45.
- Parker, M.W., Buckley, J.T., Postma, J.P., Tucker, A.D., Leonard, K., Pattus, F., Tsernoglou, D. (1994). *Structure of the *Aeromonas* toxin proaerolysin*

in its water-soluble and membrane-channel states. Nature 367 (6460): 292–5

- Pelezar, M.J. & Chan, E.C.S. (2006). *Dasar-Dasar Mikrobiologi I*. Jakarta: UI-Press
- Pestana, E.A., Belak, S., Diallo, S., Crowther, J.R., Viljoen, G.J. (2010). *Early, Rapid, and Sensitive Veterinary Molecular Diagnostic- Real Time PCR Application*. Springer. Dordrecht Heidelberg London New York.
- Pulk, A., Maivali, U., and Remme, J. (2006). *Identification of nucleotides in E.coli 16S rRNA essential for Ribosome Subunit Association*. Cold Spring Harbor Laboratory Press, 12:790-796
- Puthuchery, S.D., Puah, S.M., Chua, K.H. (2012). *Molecular Characterization of Clinical Isolate of Aeromonas Species from Malaysia*. Plus One Vol. 7, Issue 2 : e30205
- Rahman, M., Colque-Navarro, P., Kuhn, I., Huys, G., Swings, J., Molby, R. (2002). *Identification and Characterization of Pathogenic Aeromonas veronii biovar sobria associated with epizootic ulcerative syndrome in fish Bangladesh*. Appl. Environ. Microbiol. 68(2):650-5
- Rao, S.P.N. (2006). Imvic reactions. Dept. of microbiology JJMMC, Davangere. Tersedia [online] : <http://www.microrao.com/micronotes/imvic.pdf>. Diunduh 18 juli 2013
- Sadjidan, M.Si., Prof. (2011). *Sekuensing DNA & RNA*. Tersedia [online] : <http://sajidan.staff.fkip.uns.ac.id/2011/02/18/sekuensing-dna-rna/>. Diunduh 20 Juni 2013
- Sahu, I., Das, B.K., Marhua, N.P., Pradhan, J., Sahoo, D.R., Behra, B., Mishra, B.K. (2012). *Phenotypic and Genotypic Method for Identification Aeromonas hydrophila Strain from Carp Labeo rohita and Their Virulence Study*. International Journal of Fisheries and Aquaculture Sciences. ISSN 2248-9975 Volume 2, Number 2 pp. 141-156
- Saitou, N. And Imanishi, T. (1989). *Relative Efficiencies Of The Fitch-Margoliash, Maximum-Parsimony, Maximum-Likelihood, Minimum Evolution And Neighbor-Joining Methods Of Phylogenetic Tree Construction In Obtaining The Correct Tree*. Mol. Biol. Evol. 6(5): 514 – 525.
- Sambrook, E., Fritsch, F., Maniatis, T. (1989). *Molecular Cloning: a Laboratory Manual*. Cold Spring Harbor Laboratory Press. USA. 1 : 112-113.
- Schmidt, H. (2003). *Phylogenetic Trees From Large Datasets. Inaugural-Dissertation, Dusseldorf University*. Tersedia [Online]

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Identifikasi Dan Filogenetika Bakteri Aeromonas Spp. Isolat Air Kolam Beberapa Kota Berdasarkan Pada Sikuen Gen 16S rRNA

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<http://www.Bi.Uniduesseldorf.De/~Hschmidt/Publ/Schmidt2003.Phdthesis.Pdf>. Diunduh pada 23 Juni 2013.

- Sen, K., and Rodgers, M. (2004). *Distribution of six virulence factors in Aeromonas species from isolated US drinking water utilities : a PCR identification*. Journal of Applied Microbiology, 97, 1077–1086
- Seshadri. (2006). *Aeromonas hydrophila*. Tersedia [Online] : http://www.genome.jp/keggbin/get_htext?query=aha&htext=br08601.keg&option=-a . diunduh 23 Juni 2013
- Shotts,E., and Rimler, R. (1973). *Medium for the Isolation of Aeromonas hydrophila*. American Society for Microbiology Vol. 26, No. 4
- SMI (UK Standard for Microbiology Investigation). (2011). *Oxidase test*. Standard Unit, Microbiology Service Division, Health Protection Agency (HPA). Issue No : 2.2 Page 1 of 11.
- SNI. (2009). *Metode Identifikasi Bakteri Aeromonas hydrophila secara Biokimia*. SNI 7303: 2009
- Soler L., Yanez, M.A., Chacon, M.R., Aguilera-Arreola, M.G., Catalan, V., Figueras, M.J., and Martinez-Murcia, A.J. (2004). *Phylogenetic analysis of the genus Aeromonas based on two housekeeping genes*. International Journal of Systematic and Evolutionary Microbiology , 54,1511-1519
- Stackebrandt, E., and Gobel, B. 1994. *Taxonomi note: a place of DNA-DNA reassociation and 16S rRNA sequence analysis in the present species definition in bacteriology*. Int. J. Syst Bacteriol 44, 846-849.
- Suzuki, T., Mushiga, Y., Yamane , T., & Shimizu, S. (1988). *Mass production of lipase by fedbatch culture of Pseudomonas fluorescens*. Appl. Microbiol.Technol., 27, 417-422
- Swann,L., and White,M.R. (1995). *Diagnosis and treatment of Aeromonas hydrophila infection of fish*. Aquaculture extension. Illinois-Indiana Sea Grant Program. Purdue University
- Syadza, A. (2012). *Karakterisasi Gen Virulen dan Uji Patogenitas Bakteri Aeromonas hydrophila Strain A2 pada Ikan Gurami (Osphronemus gouramy)*. Skripsi. Jurusan Pendidikan Biologi. FPMIPA. Universitas Pendidikan Indonesia. Bandung.
- Vilches, S., Urgell, C., Merino, S.,Chacon, M.R., Soler, L.,Castro-Escarpulli, G.,Figueras, M.J., and Tomas, J.N. (2004). *Complete Type III Secretion System of a Mesophilic Aeromonas hydrophila Strain*. Applied and Environment Microbiology, Page 6914-6919

Visi Tinta Manik, 2013

Identifikasi Dan Filogenetika Bakteri Aeromonas Spp. Isolat Air Kolam Beberapa Kota Berdasarkan Pada Sikuen Gen 16S rRNA

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- Vilches,S., Jimenez, N., Tomas, J.N., and Merino, S. (2009). *Aeromonas hydrophila AH-3 Type-III Secretion System Expression and Regulatory Network*. 75(11) 6382-6392
- Wahli, T., Burr, S.E., Pugovkin, D., Mueller, O., and Frey, J. (2005). *Aeromonas sobria, acausative agent of disease in farmed perch, Percafluviatilis L. Journal of Fish Diseases* 28,141-150.
- Wulandari, R. (2012). *Deteksi gen Virulen dan Uji Patogenitas Bakteri Aeromonas hydrophila Isolat Air Sukabumi Pada Ikan Gurami (Osphronemus gourami)*. Skripsi. Jurusan Pendidikan Biologi. FPMIPA. Universitas Pendidikan Indonesia. Bandung.
- Yanez, M.A., Catalan, V., Apraiz, D., Figueraz, M.J., & Martinez-Murcia, A.J. (2003). *Phylogenetic analysis of member of the genus Aeromonas based on gyrB gene sequences*. International Journal of Systematic and Evolutionary Microbiology, 53, 875-883.
- Yuwono, T. (2006). *Biologi Molekuler*. Penerbit Erlangga, Jakarta
- Zheng, W., Chao, H., Yang, X. (2012). *Aeromonas veronii infection in the Cultere Sneakhead fish, Ophiocephalus argus (Cantor)*. African Journal of Microbiology Research Vol. 6(44), pp. 7218-7223