

DAFTAR REFERENSI

- Affandi, R. & Riani, E., 1994. Studi Adaptasi Benih Ikan Sidat (*Elver*) *Anguilla* sp. pada Berbagai Tingkat Salinitas. Bogor: Fakultas Perikanan. Institut Pertanian Bogor, pp. 47
- Affandi, R., 2005. Strategi Pemanfaatan Sumberdaya Ikan Sidat (*Anguilla* sp) di Indonesia. *Jurnal Ikhtiologi Indonesia*. 26, pp. 267-272.
- Affandi, R., 2010. Strategi Pemanfaatan Sumberdaya Ikan sidat, *Anguilla spp* di Indonesia. *Prosiding Seminar Riptek Kelautan Nasional*. pp. 210-212.
- Affandi ,R., Ezraneti ,R., & Nirmala, K., 2012. Kondisi Fisiologi Ikan Bandeng (*Chanos chanos* Forskal) yang Dipelihara pada Media yang Terpapar Merkuri dengan Tingkat Salinitas Berbeda. *Jurnal Iktiologi Indonesia*. 12(2), pp. 185-194.
- Affandi, R. & Suhenda, N., 2003. Teknik Budidaya Ikan Sidat (*A. bicolor. bicolor*). Prosiding Forum Nasional Sumberdaya Perikanan Sidat Tropik. UPT Baruna-Jaya-BPPT.
- Affandi, R. & Tang, U.M., 2002. *Fisiologi Hewan Air*. Pekanbaru (ID): UNRI Pers.
- Anger, K. & Charmantier, G., 2000. Ontogeno of Osmoregulation and Salinity Tolerance in a Mangrove Crab, *Sasarma curacounse* (Decapoda: grapsidae). *Journal of Experimental Marine Biology and Ecology*. 251, pp. 265-271
- Aoyama, J., 2009. Life History and Evolution of Migration in Catadromous eels (Genus *Anguilla*). *Aqua-Biosci*, 2, pp.1-42.
- Aslamyah, S., 2006. Peningkatan Peran Mikroba Saluran Pencernaan Untuk Memacu Pertumbuhan Ikan Bandeng. *Desertasi*. Bogor: Program Pascasarjana Institut Pertanian Bogor.
- Arai, T., Limbong, D., Otake, T. & Tsukamoto, K., 2001. Recruitment Mechanisms of Tropical Eels, *Anguilla* Spp., and Implications for The Evolution of Oceanic Migration In The Genus *Anguilla*. *Marine Ecology Progress Series*. 216, pp. 253–264.
- Arai, T., Chino, N., & Le, D.Q., 2013. Migration and Habitat Use of The Tropical Eels *Anguilla marmorata* and *A. bicolor pacifica* in Vietnam. *Aquat Ecol*, 47, pp.57-65.
- Baedah, M.A., 2010. *Strategi Pengelolaan Ikan Sidat*. <http://dkp.sulteng.go.id>. Akses 02 Januari 2017.
- Ballarin, J.D. & Haller, R.D., 1982. *The Intensive Culture of Tilapia in Tank, Raceways and Cages*. In J.F. Muir. R.J. Roberts (eds). *Recent Advances in Aquaculture*. Colorado: Westview Press.

- Boyd, C.E., 1990. *Water Quality in Pond for Aquaculture*. Alabama Agriculture Experiment Station. Auburn University. Birmingham Publishing Co, Alabama. USA. pp.482.
- Bone, Q. & Moore, R.H., 2008. *Biology Of Fishes, Third Edition*. Taylor & Francis Group.
- Budiyono, R., 2013. Pengaruh Salinitas Terhadap Pertumbuhan Ikan Sidat Fase *Glass Eel* Sebagai Alternatif Teknologi Budidaya Ikan Sidat (*Anguilla bicolor bicolor*). *Skripsi*. Surakarta: Universitas Sebelas Maret.
- Colby, R.S., 2015. Physiological Response to Salinity Challenge is Mediated by Na⁺, K⁺ - ATPase Isoform Switching in a Euryhaline Fish, the Alewife. *Honors Scholar Thesis*. pp.418.
- Crosetti, D. & Blaber, S.J.M., 2015. *Biology, Ecology, and Culture Grey Mulletts (Mugilidae)*. USA: CRC Press.
- D’Cotta, Pepey, E., Tine, M., Ouattara, N., Baroiller, J.F., Bezault, E., Durand, J.D., Bonhomme, F., Charmatier, G., Morissens, P., Poivey, J.P., & Chevassus, B., 2006. Adaptation to extreme salinity variations in tilapias. Symposium COA/INRA. *Scientific Cooperation in Agriculture*. 7-10, pp. 275-280.
- Djokosetiyanto, D., Wulandari, A.R., Carman, O., 2008 Pengaruh Salinitas Terhadap Kelulusan Hidup dan Pertumbuhan Benih Ikan Bawal Air Tawar (*Colossoma macropomum*). *Jurnal Perikanan*, pp. 282-289.
- Evans, D.H., Piermarini, P.M. & Choe, K.P., 2005. The Multifunctional Fish Gill: Dominant Site of Gas Exchange, Osmoregulation, Acidbase Regulation, and Excretion of Nitrogenous Waste. *Physiol Rev*. 85, pp.97–177.
- Fahmi, M.R., 2010. Phenotypic Platisity Kunci Sukses Adaptasi Ikan Migrasi: Studi Kasus Ikan Sidat (*Anguilla* sp.). *Prosiding Forum Inovasi Teknologi Akuakultur*. pp.9-17.
- Fahmi, M.R & Hirnawati, R., 2010. Keragaman Ikan Sidat Tropis (*Anguilla* sp.) di Perairan Sungai Cimandiri, Pelabuhan Ratu, Sukabumi. *Prosiding pada Forum Teknologi Akuakultur*, Depok.
- Fidhiany, L., 1999. Pengaruh Umur dan Suhu Air pada Laju Metabolisme Ikan Air Tawar *Cichliasoma nigrofasciatum*. *Jurnal Ilmu-Ilmu Perairan dan Perikanan Indonesia*. 6(1) : 29-47.
- Fitria, A.S., 2012. Analisis Kelulushidupan dan Pertumbuhan Benih Ikan Nila (*Oreochromis niloticus*) F5 D30-D70 Pada Berbagai Salinitas. *Journal of Aquaculture Management and Technology*. 1(1), pp. 18-34.
- Fujaya, Y., 2004. *Fisiologi Ikan*. Jakarta: Rineka Cipta.

- Goenarso, D., Suropto, Susanti, K.I., 2003. Konsumsi Oksigen, Kadar Gula Darah, dan Pertumbuhan Ikan Mas (*Cyprinus carpio*) diberi Pakan Campuran Ampas Kelapa. *Jurnal Matematika dan Sains*. 8(2), pp. 51-56.
- Gracia-Lopez, A., Rosas-Vázquez, C., & Brito-Pérez, R. 2006. Effects of Salinity on Physiological Conditions in Juvenile Common Snook (*Centropomus undecimalis*). *Comparative Biochemistry and Physiology*, pp. 340-345
- Gufhran, 2007. *Pengelolaan Kualitas Air Dalam Budidaya Perairan*. Jakarta: Rineka Cipta.
- Hall, T.W., 1980. *Analytical Chemistry*. New York: John Willey and Sons Inc.
- Hana, Y.S., I.C. Liaob., W.N. Tzenga., Y.S. Huange & Y.L. Yu., 2003. Serum Estradiol and Testosterone Levels During Silvering in Wild Japanese Eel *Anguilla Japonica*. *Comparative Biochemistry and Physiology Part B : Biochemistry and Molecular Biology*. 136(1),pp. 913-920.
- Handoyo, B. Allimuddin. & Nur, B.P.U., 2012. Pertumbuhan, Konversi, dan Retensi Pakan, dan Proksimat Tubuh Benih Ikan Sidat yang Diberi Hormon Pertumbuhan Rekombinan Ikan Kerapu Kertang Melalui Perendaman. *Jurnal akuakultur Indonesia*, 11(2), pp.132-140.
- Hochachka, P.W., 1991. Design of Energy Metabolism in Prosser, C.D (Editor), *Environmental and Metabolic Animal Physiology. Comparativer Animal Physiology, 4th Edition*. New York: Wiley-Liss
- Holiday, F.G.T., 1969. *The Effect of Salinity on The Eggs and Larvae of Teleostei*. New York: I. Academic Press.
- Isnaeni, W., 2006. *Fisiologi Hewan*. Yogyakarta: Kanisius.
- Jalali, M., Reza, D., Abdul, A.M., & Sayed, A.M.Z., 2013. A Comparative Study on Body Composition of Shyrbot (*Barbus grypus*) Fish Reared in Different Salinities. *Elixir International Journal*. 60(3), pp. 16318-16320.
- Khamilah, 2011. Penggunaan *Lactobacillus plantarum* dalam Pembuatan Silase Daun Mengkudu dan Aplikasinya Sebagai Bahan Pakan Alternatif Ikan Sidat (*Anguilla bicolor*) Serta Pengaruhnya Terhadap Pertumbuhan dan FCR. *Laporan Hasil Penelitian*. Surabaya: Fakultas teknik dan Ilmu Kelautan. Hang Tuah.
- Khotimah, F.H., 2005. Laju Metabolisme Rutin dan Konsentrasi Osmotik Plasma Darah Ikan Sidat (*Anguilla bicolor*) yang diaklimasi pada Salinitas Medium. *Skripsi*. Purwokerto: Fakultas Biologi Unsoed.
- Laiz, C.R., Sangiao, A.S., Guzmán, J.M., Martin ,D.R.M.P., Soengas, J.L., & Mancera J., 2005. Growth Performance of Gilthead Sea Bream in Different Osmotic Conditions: Implications for Osmoregulation and Energy Metabolism. *Aquaculture*. 250(3), pp. 849–861.

- Lagler, K.F., 1997. *Ichthyology*. New York: Jhon Willey and Sons Inc.
- Liao I.C & Huang H.J. 1975. Studies On The Respiration Of Economic Prawns In Taiwan. I. Oxygen Of Egg Up To Young Prawns Of *Penaeus monodon* Fab. *Fish Social Taiwan* 4(1), pp. 33-50.
- Lisboa, V., Barcarolli, I.F., Sampaio, L.A., Bianchini, A., 2015. Effect of Salinity on Survival, Growth and Biochemical Parameters in Juvenile Lebranch mullet *Mugil liza* (Perciformes: Mugilidae). *Neotropical Ichthyology*. 13(2): 447–452. *Research*. 43(9), pp. 1372–1383.
- Liviawaty, E. & Afrianto, E., 1998. *Pemeliharaan Sidat*. Yogyakarta : Kanasius
- Mancera, J.M. & McCormick, S.D., 1999. Influence of Cortisol, Growth Hormone, Insuline-like Growth Factor I and 3, 3, 5-triiodo-l-Thyronine on Hypoosmoregulatory Ability in the Euryhaline Teleost, *Fundulus heteroclitus*". *Fish Physiol. Biochem.* 21, pp. 25-33.
- Madsen, S.S., Engelund, M.B. & Culter C.P. 2015. *Water Transport and Functional Dynamics of Aquaporins in Osmoregulatory Organs of Fishes*. Marine Biological Laboratory. 229, pp.70–92.
- Mananes, A.A.L., Meligeni, C.D., & Goldemberg, A.L., 2002. Response to Environmental Salinity of Na⁺, K⁺, ATPase in Individual Gills of The Euryhaline Crab *Cyrtograpsus angulatus*. *J. Exp. Mar. Biol. Ecol.* 274, pp. 75-85.
- Mc Connaughey, B.H. & Zottoli, R., 1983. *Introduction to Marine Biology*. London : Moscy Co.
- Minggawati, I. & Saptono. 2012. Parameter Kualitas Air untuk Budidaya Ikan Patin (*Pangasius pangasius*) di Karamba Sungai Kahayan, Kota Palangka Raya. *Jurnal Ilmu Hewan Tropika*. 1 (1).
- Mommsen, T.P., Vijayan, M.M., & Moon, T.W., 1999. Cortisol in Teleosts: Dynamics, Mechanisms of Action, and Metabolic Regulation. *Rev. Fish Biol. Fish.* 9(3), pp. 211–268.
- Murray, R.K, Granner, D.K., Mayes, P.A., Rodwell, V.W., 2003. *Biokimia Harper, Edisi XXV*, Penerjemah Hartono Andry. Jakarta: ECG.
- Pamungkas, W., 2012. Aktivitas Osmoregulasi, Respons Pertumbuhan, dan *Energetic Cost* Pada Ikan yang Dipelihara dalam Lingkungan Bersalinitas. *Media Akuakultur*. 7(1), pp. 44-51.
- Pérez, R.J., Re, A.D., Giffard, M.I., & Díaz, F., 2011. Interactive Effects of Salinity on Oxygen Consumption, Ammonium Excretion, Osmoregulation and Na⁺/K⁺-ATPase Expression in Bullseye Puffer (*Sphoeroides annulatus*, Jenyns 1842). *Aquaculture Research*. 43(9), pp.1372–1383.

- Plaut, I., 2000. Resting Metabolic Rate, Critical Swimming Speed, and Routine Activity of the Euryhaline Cyprinodontid, *Aphanius dispar*, Acclimated to A Wide Range of Salinities. *Journal Physiological and Biochemical Zoology*. 73(5), pp. 590-596
- Pratiwi, E.D., Susilo, U., Priyanto, S., 2013. Aktivitas Amilase dan Laju Metabolisme Ikan Lele Dumbo (*Clarias gariepinus*) pada Kondisi Puasa dan Pemberian Pakan Kembali. Purwokerto: Fakultas Biologi Universitas Jenderal Soedirman.
- Puspitasari, D. 2008. Kajian Substitusi Tapioka Dengan Rumput Laut (*Euchema cottoni*) Pada Pembuatan Bakso. *Skripsi*. Program Studi Teknologi Hasil Pertanian. Fakultas Pertanian Universitas Sebelas Maret.
- Putra, A.N., 2015. Laju Metabolisme pada Ikan Nila Berdasarkan Pengukuran Tingkat Konsumsi Oksigen. *Jurnal Perikanan dan Kelautan*. 5 (1), pp. 13-18.
- Rachmawati, F.N & Susilo, U., 2014. Respon Fisiologi Ikan Sidat, *Anguilla bicolor* McClelland, Terhadap Perlakuan Induksi Hormon. *Prosiding Mathematics and Sciences Forum*. pp. 105-108.
- Randall, D., W. Burggren, and K. French., 2002. Eckert, Animal Physiology, Mechanisms, and Adaptations. *W.H. Freeman and Comp*. New York: 588-621.
- Richard, H.W. & Gordon A., 1989. *Animal Physiology. Sec Ed*. Harpercollins Publisher Inc.
- Rovara, O., Affandi., R., Zairin Junior., M., Agungpriyono., S., & Toelihere, M.R., 2008. Pematangan Gonad Ikan Sidat Betina (*Anguilla bicolor bicolor*) Melalui Induksi Ekstrak Hipofisis. *Jurnal Ilmu-ilmu Perairan dan Perikanan Indonesia*. 1, pp.1-83.
- Saifurridjal & Rahardjo S., 2011. *Budidaya Ikan Sidat*. Materi Penyuluhan Perikanan. Jakarta: Kementerian Kelautan Perikanan
- Sarwono, B., 2011. *Budidaya Belut dan Sidat*. Jakarta: Penebar Swadaya.
- Sasono, A.D., 2001. Kebiasaan Makan Ikan Sidat (*Anguilla bicolor*) di Desa Citepus, Kecamatan Pelabuhan Ratu dan Desa Cimaja, Kecamatan Cisolok, Kabupaten Sukabumi, Jawa Barat. *Skripsi*. Bogor: Institut Pertanian Bogor.
- Schmidt, K. & Nielsen. 1990. *Animal Physiology. Adaptation and Environment*. 4th Edition. New York: Cambridge University Press.
- Schultz, E.T. & McCormick, S.D., 2013. *Evolution and Euryhalinity*. In: McCormick SD, Farrell AP, Brauner CJ (eds) *Fish Physiology*, vol 32. Academic Press.

- Setyadi, I., Darmansyah, Jufri, dan Hersapto, 1994. Pengaruh Beda Kepadatan dan Kelangsungan Hidup Ikan Bandeng *Chanos chanos* Umpan dalam Pengangkutan. *Jurnal Penelitian Budidaya Pantai*. 10(1), pp. 135-139.
- Skrzynski, W., 1974. Review of Biological Knowledge on New Zealand Freshwater Eels (*Anguilla* spp.). *Fisheries Technical Report No. 109*. Wellington, New Zealand: Ministry of Agriculture and Fisheries.
- Solikhah, T. & Widyaningrum, T., 2015. Pengaruh Surfaktan terhadap Pertumbuhan dan Histopatologi Insang Ikan Nila (*Oreochromis Niloticus*) sebagai Materi Pembelajaran Siswa SMA Kelas X. *JUPEMASI-PBIO*. 2(1), pp. 248-255
- Stickney, R.R., 1979. *Principle of Warmwater Aquaculture*. New York: John Willey and Sons Inc..
- Stickney, R.R., 2000. *Encyclopedia of aquaculture*. A Wiley-Interscience Publication John Wiley & Sons, Inc. The United States of America, pp.1,063.
- Suitha, I.M & A. Suhaeri., 2008. *Budidaya Sidat*. Jakarta: PT Agromedia Pustaka.
- Susilo, U., Rachmawati, F.N., & Simanjuntak, S.B.I., 2007. Peran Hormon Kortisol dalam Osmoregulasi Ikan Sidat, *Anguilla bicolor*, pada Lingkungan Bersalinitas. *Biosfera*. 24 (3).
- Sutrisno, 2008. Penentuan Salinitas Air dan Jenis Pakan Alami yang Tepat dalam Pemeliharaan Benih Ikan Sidat (*Anguilla bicolor*). *Jurnal Akuakultur Indonesia*, 7(1), pp.71–77.
- Swanson, C., 1998. Interactive Effect of Salinity on Metabolic Rate, Activity, Growth and Osmoregulation in Euryhaline Milkfish (*Chanos chanos*). *Journal of Experimental Biology*. 201, pp. 3355-3366.
- Syukri, M., 2016. Pengaruh Salinitas Terhadap Sintasan dan Pertumbuhan Larva Udang Windu (*Penaeus monodon*). *Jurnal Galung Tropika*. 5 (2), pp. 86 – 96.
- Takei, Y. & Hirose S., 2001. The Natriurtic Peptide System in Eel: a Key Endocrine System for Euryhalinity. *Am. J. Physiol. Regulatory Integrative Comp. Physiol.* 282, pp. 940-951.
- Tesch, F.W., 1997. *The Eel, Biology and Management of Anguillid Eels*. London : Chapman and Hall. Tesch, F.w. 2003. *The Eel*. Oxford: Blackwell Science Ltd.
- Tesch, F.W. 2003. *The eel*. Oxford: Blackwell Science Ltd.
- Tobin, A.J. 2005. *Asking about Life*. Canada: Thomson Brooks/Cole.,.

- Tsukamoto, K. & Arai, T., 2001. Facultative Catadromy of The Eel *Anguilla japonica* between Freshwater and Seawater Habitats. *Marine Ecology Progress Series*. 220, pp. 265–276.
- Tsuzuki, M.Y., Strussmann, C.A., & Takashima, F., 2008. Effect of salinity on the Oxygen Consumption of Larvae of the Silversides *Odontesthes hatcheri* and *O. bonariensis* (Osteichthyes, therinopsidae). *Brazilian Archives of Biology and Technology*, 51(3), pp. 563-567
- Yulfiperius, Toelihere, M.R., Affandi, R., & Sjafei, D.S., 2004. Pengaruh Alkalinitas Terhadap Kelangsungan Hidup dan Pertumbuhan Ikan Lalawak (*Barbodes* sp). *Jurnal Iktiologi Indonesia*. 4(1).
- Yurisma, E. H., Abdulgani, N., & Mahasri, G., 2013. Pengaruh Salinitas yang Berbeda terhadap Laju Konsumsi Oksigen Ikan Gurame (*Osprhonemus gouramy*) Skala Skala Laboratorium. *Jurnal Sains dan Seni*. Surabaya: Institut Teknologi Sepuluh Nopember, 1(1) pp. 1-4
- Yuwono, E. 2001. *Fisiologi Hewan I*. Purwokerto: Fakultas Biologi Unsoed.
- Val, A.L. & Kapoor, B.G. 2003. *Fish Adaptations*. India: Science Publihers Inc..
- Winarno, 1996. *Teknologi Pengolahan Rumput Laut*. Jakarta: Pustaka Sinar Harapan.
- Winarno, F.G., 2003. *Transportasi Hidup Ikan dan Domba*. Bogor: M-brio Press.
- Wulandari, A.R., 2006. Peranan Salinitas terhadap Kelangsungan Hidup dan Pertumbuhan Benih Ikan Bawal Air Tawar *Colossoma macropomum*. *Skripsi*. Bogor: Institut Pertanian Bogor.
- Woo, N.Y.S. & Kelly, S.P., 1995. Effects of salinity and nutritional status on growth and metabolism of *Sparus sarba* in a closed seawater system. *Aquaculture*, 135: 229-238.