

DAFTAR PUSTAKA

- Anonim, 2014. *Naskah Akademik Udang*. Balai Besar Perikanan Air Payau: Jepara.
- Anonim, 2014c. Produksi Benih Dan Induk Udang Vaname Berkualitas Dukung Kemandirian Produksi Udang Nasional. <http://www.djpb.kkp.go.id/berita.php?id=1066>. Diakses tanggal 4 Desember 2014.
- Anonim. 2014a. Sikap Masyarakat Akuakultur Indonesia (MAI) Terhadap Struktur Kabinet Jokowi-JK Bidang Perikanan dan Kelautan. <http://bpblambon-kkp.org/sikap-masyarakat-akuakultur-indonesia-mai-terhadap-struktur-kabinet-jokowi-jk-bidang-perikanan-dan-kelautan/>. Diakses tanggal 4 Desember 2014.
- Anonim. 2014b. Peran Sub Sektor Perikanan Budidaya Dalam Perekonomian Nasional. <http://www.djpb.kkp.go.id/berita.php?id=1041>. Diakses tanggal 4 Desember 2014.
- Arnold, S. J., and Coman, G. J. 2012. Parental influence on embryo development in *Penaeus monodon*. *Aquaculture*. 361: 41-44.
- Arnold, S. J., Coman, G. J., and Emerenciano, M. 2013. Constrains on seedstock production in eighth generation domesticated *Penaeus monodon* broodstock. *Aquaculture*. 411: 95–100.
- Arnold, S. J., Coman, G. J., Burridge, C., and Rao, M. 2012. A novel approach to evaluate the relationship between measures of male fertility and egg fertilization in *Penaeus monodon*. *Aquaculture*. 341: 181–189.
- Arnold, S. J., Coman, G. J., Burridge, C., and Rao, M. 2012. A novel approach to evaluate the relationship between measures of male fertility and egg fertilization in *Penaeus monodon*. *Aquaculture*. 341: 181-189.
- Babu, K. Ramesh. 2013. Improved Maturation of Wild and Pond-reared Black Tiger Shrimp *Penaeus monodon* (Fabricus) using different Combination of Live and Wet Feeds. *Asian J. Exp. Sci.* 27 (2): 37-42.
- Baskett, M. L., and Gomulkiewicz, R. 2011. Introgressive hybridization as a mechanism for species rescue. *Theor Ecol.* 4: 223–239.
- Benzie, J. A. H. 1997. A Review of The Effect of Genetics and Environment on The Maturation and Larval Quality of The Giant Tiger Prawn *Penaeus monodon*. *Aquaculture*, 155: 69-85.
- Braga, A. L., Lopes, D. L. A., Poersch, L. H., and Wasielesky Jr., Wilson. 2013. Spermatophore and sperm quality of the pink shrimp *Farfantepenaeus paulensis* fed with fresh food supplemented with pollen and paprika. *Aquaculture*. 380-383: 29-32.

- Braga, André L., Cintia L. Nakayama, Juscilaine G. Martins, Elton P. Colares, Wilson Wasielesky Jr. 2010. Spermatophore Quality of The Pink Shrimp *Farfantepenaeus paulensis* (Decapoda, Dendrobranchiata) Broodstock Fed with Different Maturation Diets. *Aquaculture*, 307: 44–48.
- Browne, R.A., and Wanigasekera, G. 2000. Combined Effects of Salinity and Temperature on Survival and Reproduction of Five Species of *Artemia*. *Journal of Experimental Marine Biology and Ecology*, 244: 29–44.
- Campbell, Neil A, Reece, Jane B, Urry, Lisa A., Cain, Michael L., Wasserman, Steven A., Minorsky, Peter V., and Jackson, Robert B. Biologi Edisi Kedelapan Jilid 1. (diterjemahkan oleh: Damaring Tyas Wulandari, S.Si). Penerbit Erlangga: Jakarta.
- Camus, Thomas, Zeng, Chaoshu, and McKinnon, A. David. Egg Production, Egg Hatching Success and Population Increase of The Tropical Paracalanid Copepod, *Bestiolina similis* (Calanoida: Paracalanidae) Fed Different Microalgal Diets. *Aquaculture*, 297: 169–175.
- Ceballos-Vazquez, B. P., Rosas, C., and Racotta, I. S. 2003. Sperm quality in relation to age and weight of white shrimp *Litopenaeus vannamei*. *Aquaculture*. 228: 141-151.
- Coman, G.J., Arnold, S.J., Jones, M.J., and Preston, N.P. 2007. Effect of Rearing Density on Growth, Survival and Reproductive Performance of Domesticated *Penaeus monodon*. *Aquaculture*, 264: 175–183.
- Coman, G.J., Arnold, S.J., Peixoto, S., Crocos, P.J., Coman, F.E., and Preston, N.P. 2006. Reproductive Performance of Reciprocally Crossed Wild-Caught and Tank-Reared *Penaeus monodon* Broodstock. *Aquaculture*, 252: 372–384.
- Crocos, Peter J., and Kerr, J.D. 1986. Factors Affecting Induction of Maturation and Spawning of the Tiger Prawn, *Penaeus esculentus* (Haswell), under Laboratory Conditions. *Aquaculture*, 58: 203–214.
- Gapasin, R.S.J., and Duray, M.N. 2001. Effects of DHA-enriched Live Food on Growth, Survival and Incidence of Opercular Deformities in Milkfish (*Chanos chanos*). *Aquaculture*, 193: 49–63.
- Gomes, L.A.O., Honculada Primavera, J., 1993. Reproductive quality of male *Penaeus monodon*. *Aquaculture*, 112. 157–164.
- Haryadi, W., and Triono, S. 2006. Fraksinasi Asam Lemak Omega 3, 6, dan 9 dari Daging Bekicot (*Achatina fulica*) Menggunakan Kolom Kromatografi. *Indon. J. Chem.* 6 (3): 316-321.
- Hoa, Nguyen D. R. W., Mathieu W., Vu T., Tran K. D., Nguyen V. H., Patrick, S. 2009. A fresh-food maturation diet with an adequate HUFA

- composition for broodstock nutrition studies in black tiger shrimp *Penaeus monodon* (Fabricius, 1798). *Aquaculture*, 297: 116–121.
- Holthuis, L. B. 1980. FAO species catalogue. Vol. I. Shrimp and prawn of the world. An annotated catalogue of species of interest fisheries. *FAO Fisheries Synopsis*, 1 (125): 271 p.
- Hoving, H. J. T., Marek R. Lipin´ski, and Lammertjan D. 2010. The male reproductive strategy of a deep-sea squid: sperm allocation, continuous production, and long-term storage of spermatophores in *Histioteuthis miranda*. *ICES Journal of Marine Science*, 67: 1478–1486.
- Ibeas, C., Cejas, J.R., Fores, R., Badia, P., Gomez, T., and Hemindez, Lorenzo A. 1997. Influence of Eicosapentaenoic to Docosahexaenoic Acid Ratio (EPA/DHA) of Dietary Lipids on Growth and Fatty Acid Composition of Gilthead Seabream (*Sparus aurata*) Juveniles. *Aquaculture*, 150: 91-102.
- Ismi, Suko, and Asih, Yasmina Nirmala. 2014. Peningkatan Jumlah dan Kualitas Produksi Benih Ikan Kerapu Melalui Pengkayaan Pakan Alami. *Jurnal Ilmu dan Teknologi Kelautan Tropis*, 6 (2): 403-414.
- Jiang, Shi-Gui, Jian-Hua Huang, Fa-Lin Zhou, Xu Chen, Qi-Bing Yang, Wei-Geng Wen, Zi-Ming Ma. 2009. Observations of Reproductive Development and Maturation of Male *Penaeus monodon* REARED in tidal and Earthen Ponds. *Aquaculture*, 292:121–128.
- Kher-un-Nisa and Sultana, Razia. 2010. Variation in the Proximate Composition of Shrimp, *Fenneropenaeus penicillatus* at Different Stages of Maturity. *American-Eurasian Journal of Scientific Research*, 5 (4): 277-282.
- Koven, W.M., Tandler, A., Sklan, D., and Kissil, G.W. 1993. The association of Eicosapentaenoic and Docosahexaenoic Acids in The Main Phospholipids of Different-Age *Sparus aurata* Larvae with Growth. *Aquaculture*, 116: 71-82.
- Kung, S. Y., Chan, Siu-Ming, Hui, J. H. L., Tsang, W. S., Mak, A., and He, J. G. 2004. Vitellogenesis in the Sand Shrimp, *Metapenaeus ensis*: The Contribution from the Hepatopancreas-Specific Vitellogenin Gene (MeVg2). *Biology of Reproduction*, 71: 863–870.
- Lee, Tai Hung. 2009. Relationship Between Hatching Rate and The Outer Egg Membranes of The in vitro Artificially Fertilized Eggs of The Japanese Mitten Crab *Eriocheir japonica*. *Aquaculture*, 298: 168–171.
- Leelatanawit, R., Uawisetwathana, U., Khudet, J., Klanchui, A., Phomklad, S., Wongtripop, S., Angthoung, P., Jiravanichpaisal, P., and Karoonuthaisiri, N. 2014. Effects of polychaetes (*Perinereis nuntia*) on

- sperm performance of the domesticated black tiger shrimp (*Penaeus monodon*). *Aquaculture*. 433: 266–275.
- Lehninger, Alber L. 1982. *Dasar-dasar Biokimia Jilid 1*. (diterjemahkan oleh: Maggy Thenawijaya). Penerbit Erlangga: Jakarta.
- Lizárraga-Cubedo, H.A., Tuck, I., Bailey, N., Pierce, G.J., Kinnear, J.A.M. 2003. Comparisons of Size at Maturity and Fecundity of Two Scottish Populations of The European Lobster, *Homarus gammarus*. *Fisheries Research*, 65: 137–152.
- Marsden, G., McGuren, J., Sarac, H., Neill, A., Brock, I., Palmer, C., 1992. Nutritional composition of some natural marine feeds used in prawn maturation. *Proceedings of the Aquaculture Nutrition Workshop*, pp. 82–86.
- Memon, A.J., Ikhwanuddin, M., Talpur, A.D., Khan, M.I., Fariddudin, M.O., Safiah, J., and Abol-Munafi, A.B. 2012. To Determine the Efficiency of Different Fresh Diets in Improving the Spermatophore Quality of Bana Shrimp *Penaeus merguensis* (De Man, 1888). *Journal of Animal and Veterinary Advances* 11 (9): 1478-1485.
- Millamena, Oseni M., Primavera, Jurgenne H., Pudadera, Rosario A., and Caballero, Rosemarie v. 1986. The Effect of Diet on The Reproductive Performance of Pond-Reared *Penaeus monodon* Fabricius Broodstock. *Aquaculture*, 593-596.
- Mol, Sühendan, Baygar, Tacnur, Varlik, Candan, and Tosun, Ş. Yasemin. 2008. Seasonal Variations in Yield, Fatty Acids, Amino Acids and Proximate Compositions of Sea Urchin (*Paracentrotus lividus*) Roe. *Journal of Food and Drug Analysis*, 16 (2): 68 – 74.
- Motoh, Hiroshi. 1981. *Studies on the fisheries biology of the giant tiger prawn, Penaeus monodon in the Philippines*. Aquaculture Department Southeast Asian Fisheries Development Center: Philippines.
- Motoh, Hiroshi. 1985. *Biology and Ecology of Penaeus monodon*. Central Laboratory, Marine Ecology Research Institute Onjuku, Isumi-gun, Chiba-ken 299-51: Japan
- Navidghasemizad, Sahar, Temelli, Feral, and Wu, Jianping. 2015. Moisture Impact on Extractability of Phospholipids from Leftover Egg Yolk After Enzymatic Treatment Using Supercritical carbon dioxide. *Food and Bioproducts Processing*, 94: 473–481.
- Nurdjana, Made L. 1986. Pengaruh Ablasi Mata Unilateral Terhadap Perkembangan Telur dan Embryo serta Kualitas Larva Udang Windu (*Penaeus monodon* Fab.). *Disertasi Ilmu Biologi Universitas Gadjah Mada*.

- Olivotto, Ike, Holt, Scott A., Carnevali, Oliana, and Holt, G. Joan. 2006. Spawning, Early Development, and First Feeding in The Lemonpeel Angelfish *Centropyge flavissimus*. *Aquaculture*, 253: 270– 278.
- Perez-Jar, L., Ramos, L., Palacios, E., and Racotta, e llie S. 2007. Reproductive Performance and Sperm Quality in Wild and Pond-reared Southern White Shrimp *Litopenaeus schmitti* Adult Males during Continuous Reproductive Activity. *Rev. Invest. Mar.* 28 (3):237-246.
- Perez-Velazquez, M., Bray, Wiliam A., Lawrence, A. L., Gatlin III, Delbert M., and Gonzalez-Felix, M. L. Effect of temperature on sperm quality of captive *Litopenaeus vannamei* broodstock. *Aquaculture*. 198: 209-218.
- Pinchuk, Alexei I., and Hopcroft, Russell R. 2006. Egg Production and Early Development of Thysanoessa Inermisand *Euphausia pacifica* (Crustacea: Euphausiacea) in The Northern Gulf of Alaska. *Journal of Experimental Marine Biology and Ecology*, 332: 206– 215.
- Pongtippatee-Taweepreda, Pattira, Chavadej, Jittipan, Plodpai, Pornthep, Pratoomchart, Boonyarath, Sobhon, Prasert, Weerachatanukul, Wattana, Withyachumnarnkul, Boonsirm. 2004. Egg Activation In The Black Tiger Shrimp *Penaeus monodon*. *Aquaculture*, 234: 183-198.
- Prastowo, B. W., Rahardianti, R., and Maftuti Nur, E., 2008. Profil Heterogenitas Genetik induk Udang Windu (*Penaeus monodon*) Turunan F1 melalui Analisa DNA Mitokondria-RFLP dan RAPD. *Disampaikan pada Seminar Nasional Tahunan Hasil Penelitian Perikanan dan Kelautan V*. Yogyakarta, 26 Juli 2008.
- Prastowo, B. W., Rahardianti, R., Maftuti Nur, E., and Taslihan, A. 2007. Genetic Heterogeneity Profile of *Penaeus monodon* Broodstock F1 Revealed by Mitochondria DNA-RFLP and RAPD. *Indonesian Journal of Biotechnology*. 12 (1): 967-972.
- Romimohtarto, Kasjian & Juwana, Sri. 2009. *Biologi Laut*. Penerbit Djambatan: Jakarta.
- Sawada, Hitoshi. 2015. Fertilization and Development in Echinoderms. International Summer Course - Sugashima Marine Biological Laboratory (not publish). Japan, 28 June – 10 July 2015.
- Seed, J. C., Robert E., Clegg, E. D., Dostal, L. A., Foote, R. H., Hurtt, M. E., Klinefelter, G. R., Makris, S. L., Perreault, S. D., Schrader, S., Seyler, S., Robert, T., Kimberley, A., Veeramachaneni, D. N. Rao, and Wise, L. D. 1996. Methods for Assessing Sperm Motility, Morphology, and Counts in The Rat, Rabbit, and Dog: A Consensus Report. *Reproductive Toxicology*. 10 (3): 237-244.
- Tricahyo, Eddy. 1995. *Biologi dan Kultur Udang Windu (Penaeus monodon L)*. Akapres: Jakarta.

- Trijoko, Eidman, H.M., Affandi, H., Ridwan, and Zairin Jr, M. 1999. Hubungan Ukuran Induk Udang Barong (*Panulirus homarus* L) dengan Kualitas Telur (Bobot Kering Telur, Kadar Asam Lemak Telur, Daya Tetas Telur) dan Daya Hidup Larva. *Biologi*, 2 (8): 445-458.
- Utomo, N.B.P., Rosmawati, A., dan Mokoginta, I. 2006. Pengaruh Pemberian Kadar Asam Lemak n-6 Berbeda pada Kadar Asam Lemak n-3 Tetap (0%) dalam Pakan terhadap Penampilan Reproduksi Ikan Zebra, *Danio rerio*. *Jurnal Akuakultur Indonesia*, 5 (1): 51-56.
- Wu, Xugan, Smith, Greg, and Hall, Michael. 2012. Patterns of Larval Growth, Lipid Composition and Fatty Acid Deposition During Early to Mid Stages of Development In *Panulirus Ornatus* Phyllosoma. *Aquaculture*, 330–333: 63–73.
- Xu, X.L., Ji, W.J., Castell, J.D., and O’Dor, R.K. 1994. Influence of Dietary Lipid Sources on Fecundity, Egg Hatchability and Fatty Acid Composition of Chinese Prawn (*Penaeus chinensis*) Broodstock. *Aquaculture*, 119: 359-370.
- Zare, Parviz, Naderi, Mojtaba, Eshghi, Hamidreza, and Anastasiadou, Chryssa. 2011. Reproductive Traits of The Freshwater Shrimp *Caridina Fossarum* Heller, 1862 (Decapoda, Caridea, Atyidae) In The Ghomp-Atashkede Spring (Iran). *Limnologica*, 41: 244–248.