

## DAFTAR PUSTAKA

- Althomali, A. W. (2019). *Behavioural ecotoxicology of the brown shrimp, Crangon crangon: changing colour in polluted environments*. University of Salford (United Kingdom)..
- Amiin, M. K., Lahay, A. F., Putriani, R. B., Reza, M., Putri, S. M. E., Sumon, M. A. A., Jamal, M. T., & Santanumurti, M. B. (2023). The role of probiotics in vannamei shrimp aquaculture performance - A review. *Veterinary World*, 16(3), 638–649. <https://doi.org/10.14202/vetworld.2023.638-649>
- Basir, B., & Apriliani, I. (2022). Optimasi Kinerja Udang Vaname (Litopenaeus vannamei) Dengan Suplementasi Daun Kelor Dan Probiotik Pada Pakan Performance. In *Jurnal Ilmu-ilmu Perikanan dan Budidaya Perairan* (Vol. 17, Issue 1). <https://jurnal.univpgri-palembang.ac.id/index.php/ikan>
- Bere, M. M. G., Tangguda, S., & Amalo, P. (2023). Pengecekan Kesehatan Larva Secara Mikroskopis Dalam Upaya Pengendalian Hama Dan Penyakit Pada Benur Udang Vaname (Litopenaeus vannamei). *Fisheries*, 5(2), 40–46.
- Boone, L. (1931). Anomuran, Macruran Crustacea From Panama And Canal Zone. *Bulletin Of The American Museum Of Natural History*. Volume LXIII, Article II.
- Butt, U. D., Lin, N., Akhter, N., Siddiqui, T., Li, S., & Wu, B. (2021). Overview of the latest developments in the role of probiotics, prebiotics and synbiotics in shrimp aquaculture. In *Fish and Shellfish Immunology* (Vol. 114, pp. 263–281). Academic Press. <https://doi.org/10.1016/j.fsi.2021.05.003>
- Caceci, T., Neck, K. F., Lewis, D. H., & Sis, R. F. (1988). Ultrastructur of the Hepatopancreas of The Pacific White Shrimp, Penaeus Vannamei (Crustacea: Decapoda). *F. Mar. Biol. Ass. U.K.*, 68, 323–337.
- Dana, D. A., Setyastuti, T. A., Puspitasari, I., & Sukamto, D. (2020). Change of hepatopancreas conditions in intensive shrimp aquaculture (Litopenaeus vannamei) at Mayangan Village, Legon Kulon District West Java. *IOP Conference Series: Earth and Environmental Science*, 441(1). <https://doi.org/10.1088/1755-1315/441/1/012098>
- Dewi, N. N., Kismiyati, Mahsri, G., & Satyantini, W. H. (2019). Aplikasi Probiotik, Imunostimulan, Dan Manajemen Kualitas Air Dalam Upaya Peningkatan Produksi Budidaya Udang Vanamei (Litopenaeus vannamei) Di Kecamatan Ujung Pangkah, Kabupaten Gresik. *Journal of Aquaculture and Fish Health* (Vol. 8, Issue 3).
- Giang, H. T., Hai, V. H., Tu, P. T. C., Ngan, P. T. T., & Ut, V. N. (2021). Screening utilization of different natural prebiotic extracts by probiotic Lactobacillus sp. for development of synbiotic for aquaculture uses. *Can Tho University Journal of Science*, 13(Aquaculture), 96–105. <https://doi.org/10.22144/ctu.jen.2021.022>

- Gunawan, M. R., Muslim, U. B., Shiddieqy, H. A., Ekonomi, F., Bisnis, D., Institut, I., Islam, A., & Bogor, S. (2021). Pelatihan Manajemen Bisnis Syariah Dalam Budidaya Udang Hias Di Desa Gunung Bunder I, Kecamatan Pamijahan, Kabupaten Bogor. In *Sahid Empowerment Journal* (Vol. 1, Issue 1). <https://jurnal.febi-inais.ac.id/index.php/SahidEmpowermentJ>
- Halim, A. M., Fauziah, A., & Aisyah, N. (2022). Kesesuaian Kualitas Air Pada Tambak Udang Vannamei (*Litopenaeus vannamei*) Di CV. Lancar Sejahtera Abadi, Probolinggo, Jawa Timur. *Chanos Chanos*, 20(2), 77. <https://doi.org/10.15578/chanos.v20i2.11773>
- Hidayat, A. S. (2014). Isolasi dan identifikasi bakteri Vibrio sp dari ikan Kerapu sunu (*Plectropomus leopardus*). *Teknosains: Media Informasi Sains dan Teknologi*, 8(2), 209-216.
- Hong, X., Lu, L., & Xu, D. (2016). Progress in research on acute hepatopancreatic necrosis disease (AHPND). In *Aquaculture International* (Vol. 24, Issue 2, pp. 577-593). Springer International Publishing. <https://doi.org/10.1007/s10499-015-9948-x>
- Inayah, Z. N., Musa, M., & Arfiati, D. (2023). Growth of Vannamei Shrimp (*Litopenaeus vannamei*) in Intensive Cultivation Systems. *Jurnal Penelitian Pendidikan IPA*, 9(10), 8821-8829. <https://doi.org/10.29303/jppipa.v9i10.4278>
- Ismawati, I., Destryana, R. A., & Huzaimah, N. (2020). Imunitas Udang Vannamei (*Litopenaeus vannamei*) Yang Diberi Pakan Tambahan Daun Kasembukan (*Paederia foetida* Linn.). *Jurnal Kelautan: Indonesian Journal of Marine Science and Technology*, 12(2), 201-206. <https://doi.org/10.21107/jk.v12i2.5998>
- Jannah, M., Junaidi, M., Setyowati, D. N., & Azhar, F. (2018). Pengaruh Pemberian *Lactobacillus* sp. dengan Dosis yang Berbeda terhadap Sistem Imun Udang Vaname (*Litopenaeus vannamei*) yang diinfeksi Bakteri *Vibrio parahaemolyticus*. *Jurnal Kelautan: Indonesian Journal of Marine Science and Technology*, 11(2), 140. <https://doi.org/10.21107/jk.v11i2.3980>
- Junda, M. (2018). Development of Intensive Shrimp Farming, *Litopenaeus vannamei* in Land-Based Ponds: Production and Management. *Journal of Physics: Conference Series*, 1028(1). <https://doi.org/10.1088/1742-6596/1028/1/012020>
- Karimah, U., Riantana, H., & Avit, I. R. N. (2018). Pemanfaatan Bakteri Prebiotik dari Fermentasi Tanaman Terung (*Solanum melongena*) sebagai Suplemen Alami untuk Meningkatkan Produktivitas Udang Vaname (*Litopenaeus vannamei*) di Kawasan Pantai Trisik. *Jurnal Ilmiah Penalaran dan Penelitian Mahasiswa*, 2(1), 104-110.
- Kewcharoen, W., & Srisapoome, P. (2019). Probiotic effects of *Bacillus* spp. from Pacific white shrimp (*Litopenaeus vannamei*) on water quality and shrimp growth, immune responses, and resistance to *Vibrio parahaemolyticus* (AHPND

strains). *Fish and Shellfish Immunology*, 94, 175–189.  
<https://doi.org/10.1016/j.fsi.2019.09.013>

Lesmanawati, W., Sukenda, dan, Bogor, P., & Raya Dramaga Bogor Alamat, J. (2016). Aplikasi Sinbiotik Untuk Meningkatkan Performa Pertumbuhan Udang Vaname Litopenaeus vannamei. *Jurnal Sains Terapan Edisi VI* (Vol. 6, Issue 1).

Masfirotun, A., & Luthfiyah, S. (2021). Uji Efisiensi Penambahan Feed Supplement Dengan Dosis Berbeda Terhadap Retensi Protein Dan Kelangsungan Hidup Udang Vannamei (Litopenaeus vannamei). *Jurnal Perikanan Pantura (JPP)*, 4(2).

Masriqah, N., Aslamyah, S., & Zainuddin. (2019). Retensi Nutrisi Pakan pada Berbagai Dosis Ubi Jalar (*Ipomoea batatas*) dalam Pakan sebagai Prebiotik Bagi *Lactobacillus* sp. pada Udang Vaname (*Litopenaeus vannamei*). *Prosiding Simposium Nasional Kelautan Dan Perikanan VI*, 229–236.

Melangi, S., Asri, M., & Hulukati, S. A. (2022). Sistem Monitoring Informasi Kualitas dan Kekeruhan Air Tambak Berbasis Internet of Things. *Jambura Journal of Electrical and Electronics Engineering*, 4(1), 77-82.

Milograna, S. R., Ribeiro, M. R., Bell, F. T., & McNamara, J. C. (2016). Pigment Translocation in Caridean Shrimp Chromatophores: Receptor Type, Signal Transduction, Second Messengers, and Cross Talk Among Multiple Signaling Cascades. *Journal of Experimental Zoology Part A: Ecological Genetics and Physiology*, 325(9), 565–580. <https://doi.org/10.1002/jez.2052>

Nguyen, H. T., Nguyen, T. T., Thu Pham, H. T., Nguyen, Q. T. N., Tran, M. T., Nguyen, A. H., Phan, T. N., Bui, H. T. V., Dao, H. T. T., & Van Nguyen, A. T. (2018). Fate of carotenoid-producing *Bacillus aquimaris* SH6 colour spores in shrimp gut and their dose-dependent probiotic activities. *PLoS ONE*, 13(12). <https://doi.org/10.1371/journal.pone.0209341>

Oktaviana, A. D. N. I., Widanarni, & Yuhana, M. (2014). The Use of Synbiotics to Prevent IMNV and *Vibrio harveyi* Co-Infection in *Litopenaeus vannamei*. *HAYATI Journal of Biosciences*, 21(3), 127–134. <https://doi.org/10.4308/hjb.21.3.127>

Oktaviana, A., & Febriani, D. (2023). Aplikasi sinbiotik dengan sumber prebiotic berbeda pada udang windu. *Sains Akuakultur Tropis: Indonesian Journal of Tropical Aquaculture*, 7(2), 214-220.

Praja, K. R., & Safnurbaiti, D. P. (2018). The Infection of *Vibrio parahaemolyticus* in Shrimp and Human. *RESEARCH STUDY Oceana Biomedicina Journal* (Vol. 1, Issue 1).

Putri, A. L., & Kusdiyantini, E. (2018). Isolasi dan identifikasi bakteri asam laktat dari pangan fermentasi berbasis ikan (Inasua) yang diperjualbelikan di Maluku-Indonesia. *Jurnal Biologi Tropika*, 1(2), 6-12. <http://Ejournal2.undip.ac.id/index.php/jbt>

- Ramadhani, I. S., Harpeni, E., Tarsim, T., & Santoso, L. (2017). Potensi sinbiotik lokal terhadap respon imun non spesifik udang vaname (*Litopenaeus vannamei*). *Depik*, 6(3), 221–227. <https://doi.org/10.13170/depik.6.3.7613>
- Ramamurthy, T., & Nair, G. B. (2014). Bacteria: *Vibrio parahaemolyticus*. In *Encyclopedia of Food Safety* (Vol. 1, pp. 555–563). Elsevier. <https://doi.org/10.1016/B978-0-12-378612-8.00118-9>
- Ramdhani, S., Nur'aeni Setyowati, D., & Astriana, H. (2018). The Addition Of Different Prebiotics On Feed To Increase The Growth of White Shrimp (*Litopenaeus vannamei*). *Jurnal Perikanan* 8(2); 50-57.
- Renitasari, D. P., & Musa, M. (2020). Teknik Pengelolaan Kualitas Air Pada Budidaya Intensif Udang Vanamei (*Litopeneus vanammei*) Dengan Metode Hybrid System. In *Jurnal Salamata* (Vol. 2, Issue 1).
- Riyanto, R. A., Nafisah, D. A., Studi, P., Pangan, T., Pertanian, F., Sultan, U., Tirtayasa, A., Raya, J., Km, J., & Banten, P. (2022). Telaah singkat aplikasi oligosakarida dari umbi-umbian lokal Indonesia sebagai prebiotik. In *Journal of Food and Agricultural Product* (Vol. 2, Issue 1). <http://journal.univetbantara.ac.id/index.php/jfap>
- Safitri, R., Andriani, Y., & Dwi Buwono, I. (2020). Effect Of Powder And Liquid Preparations Of Probiotics On White SHRIMP (*Litopenaeus vannamei*) Growth Performance. *BIOTROPIA*, 27(3), 199-208.
- Sakazaki, R., Iwanami, S., & Fukumi, H. (1963). Studies On The Enteropathogenic, Facultatively Halophilic Bacteria, *Vibrio parahaemolyticus* I. Morphological, Cultural And Biochemical Properties And Its Taxonomical Position. In *Jap. J. M. Sc. & Biol* (Vol. 16).
- Sarjito, Apriliani, M., & Haditomo, C. (2015). Agensi Penyebab Vibriosis Pada Udang Vaname (*Litopenaus gariepinus*) yang Dibudidayakan Secara Intensif Di Kendal. *Jurnal Kelautan Tropis Desember*, 18(3), 189–196.
- Setyastuti, T. A., Sukamto, D., & Fawwaz, I. E. (2022). Analysis of causes of changes in conditions of vannamei shrimp hepatopancreas indicators at PT. Lombang Sumber Rejeki Sumenep. *IOP Conference Series: Earth and Environmental Science*, 1036(1). <https://doi.org/10.1088/1755-1315/1036/1/012060>
- Shara, J., IGP Gede Rumayasa, Y., Ath-Thaariq Gusti Muhammad, dan, Kelautan dan Perikanan Sidoarjo, P., Raya Buncitan, J., & Timur, J. (2023). Manajemen Kualitas Air Terhadap Kesehatan Udang Vanamei (*Litopenaeus Vannamei*) Di Tambak Intensif CV. Reksa Bumi, Situbondo. *MARLIN Marine and Fisheries Science Technology Journal* <https://doi.org/10.15578/marlin.V4.I2.2023.101-110>
- Sholikhuddin, G., Agus, M., & Mardiana, T. Y. (2019). Pengaruh Perbedaan Persentase Pakan Buatan Dan Fermentasi Bungkil Kedelai Terhadap Pertumbuhan Udang Vaname (*Litopenaeus vannamei*). *PENA Akuatika*, 28(2), 34–46.

- Siregar, T., S, B. H., & Syafitri, E. (2021). Isolasi Dan Identifikasi *Vibrio parahaemolyticus* Pada Udang Vaname (*Litopenaeus vannamei*) Penyebab Penyakit Vibriosis. *Jurnal Aquaculture Indonesia*, 1(1), 7-14. <https://doi.org/10.46576/jai.v1i1.1389>
- Soto-Rodriguez, S. A., Gomez-Gil, B., Lozano-Olvera, R., Betancourt-Lozano, M., & Morales-Covarrubias, M. S. (2015). Field and experimental evidence of *Vibrio parahaemolyticus* as the causative agent of acute hepatopancreatic necrosis disease of cultured shrimp (*Litopenaeus vannamei*) in northwestern Mexico. *Applied and Environmental Microbiology*, 81(5), 1689-1699. <https://doi.org/10.1128/AEM.03610-14>
- Subamia, W., & Himawan, Y. (2014). Performa Udang Hias Red Cherry (*Neocaridina heteropoda*) Pada Fase Pembesaran Melalui Aplikasi Warna Wadah Berbeda. *Al-Kauniyah Jurnal Biologi* (Vol. 7, Issue 1).
- Supono, S., Turovika, Y. B., & Hudaerah, S. (2024). Performa Pertumbuhan dan Kelulushidupan Udang Vaname (*Litopenaeus vannamei*) yang Dipelihara pada Salinitas Rendah. *Journal of Tropical Marine Science*, 7(1), 71-78. <https://doi.org/10.33019/jour.trop.mar.sci.v7i1.5181>
- Suryana, A., Asih, E. N. N., & Insafitri. (2023). Fenomena Infeksi Acute Hepatopancreatic Necrosis Disease pada Budidaya Udang Vaname di Kabupaten Bangkalan. *Journal of Marine Research*, 12(2), 212-220. <https://doi.org/10.14710/jmr.v12i2.35632>
- Syadillah, A., Hilyana, S., & Marzuki, M. (2020). Pengaruh Penambahan Bakteri *Lactobacillus* sp. Dengan Konsentrasi Berbeda Terhadap Pertumbuhan Udang Vanamei (*LitopenaeusVannamei*). *Jurnal Perikanan Unram*, 10(1), 8-19. <https://doi.org/10.29303/jp.v10i1.146>
- Tei, M. T. D., Aslamyah, S., & Sriwulan. (2019). Pemanfaatan Ubi Jalar Sebagai Prebiotik Terhadap Kinerja Bakteri *Lactobacillus* sp. Dalam Saluran Pencernaan Udang Vanamei (*Litopenaeus vannamei*). *Torani: JFMarSci*, 3(1), 8-15.
- Ula, A. I., Gilang, T. I., & Ida, R. (2024). Seminar Nasional Karakterisasi Morfologi Ubi Jalar (*Ipomoea batatas*). *Seminar Nasional Sains, Kesehatan, Dan Pembelajaran* 3.
- Usman, Z., Kurniaji, A., Anton, A., Yunarty, Y., Supryady, S., Hamka, M. S., & Saputra, H. K. (2023). Aplikasi Berbagai Jenis Probiotik Dan Imunostimulan Komersial Pada Budidaya Udang Vaname (*Litopenaeus vannamei*) Secara Intensif Di Tambak Plastik. *SEMAH Jurnal Pengelolaan Sumberdaya Perairan*, 7(2), 72-84.
- Valente, C. de S., & Wan, A. H. L. (2021). Vibrio and major commercially important vibriosis diseases in decapod crustaceans. *Journal of Invertebrate Pathology*, 181. <https://doi.org/10.1016/j.jip.2020.107527>
- Wang, C., Yao, D., Zhao, M., Lu, K., Lin, Z., Chen, X., Zhao, Y., & Zhang, Y. (2022). Shrimp Lipid Droplet Protein Perilipin Involves in the Pathogenesis of AHPND-

Causing *Vibrio parahaemolyticus*. *International Journal of Molecular Sciences*, 23(18). <https://doi.org/10.3390/ijms231810520>

Wicaksono, B. A., Dwinanti, S. H., & Hadi, P. (2020). *Pengendalian Populasi Bakteri Vibrio sp. Koloni Hijau pada Pemeliharaan Udang Vaname (Litopenaeus vannamei) dengan Menggunakan Ekstrak Daun Pepaya (Carica papaya L)* (Vol. 4).

Widanarni, Putri, F. N., & Rahman. (2019). Growth performance of white shrimp *Litopenaeus vannamei* fed with Various dosages of prebiotic honey. *IOP Conference Series: Earth and Environmental Science*, 278(1). <https://doi.org/10.1088/1755-1315/278/1/012079>

Widanarni, W., Sukenda, S., & Septiani, G. R. (2016). Aplikasi Sinbiotik Untuk Pencegahan Infeksi Infectious Myonecrosis Virus Pada Udang Vaname (*Litopenaeus Vannamei*). *Jurnal Kedokteran Hewan-Indonesian Journal of Veterinary Sciences*, 10(2), 121-127.

Wijayanti, A., Dwinitasari, N., Febriyani, U., Harpeni, E., & Wardiyanto, W. (2018). Analisis Uji Tantang Udang Vaname (*Litopenaeus vannamei*) Yang Diberbakteri Probiotik *Bacillus* sp. D2. 2 dan Ekstrak Ubi Jalar Sebagai Sinbiotik. *Biospecies*, 11(2), 63-71.

Yu, P., Shan, H., Cheng, Y., Ma, J., Wang, K., & Li, H. (2022). Translucent disease outbreak in *Penaeus vannamei* post-larva accompanies the imbalance of pond water and shrimp gut microbiota homeostasis. *Aquaculture Reports*, 27. <https://doi.org/10.1016/j.aqrep.2022.101410>

Yuliansar, Ridwan, & Hermawati. (2020). Karakterisasi Pati Ubi Jalar Putih, Orange, Dan Ungu. In *SAINTIS* (Vol. 1, Issue 2).

Yunarty, Y., Kurniaji, A., Budiyati, B., Renitasari, D. P., & Resa, M. (2022). Karakteristik Kualitas Air Dan Performa Pertumbuhan Budidaya Udang Vaname (*Litopenaeus vannamei*) Secara Intensif. *Pena Akuatika : Jurnal Ilmiah Perikanan Dan Kelautan*, 21(1), 71. <https://doi.org/10.31941/penaakuatika.v21i1.1871>