

DAFTAR PUSTAKA

- Alamsyah, Yessi Julianti. 2017. "Efektivitas Ekstrak Kasar Padina australis Sebagai Agen Imunostimulan Udang Vannamei (*Litopenaeus vannamei*) yang Terinfeksi White Spot Syndrome Virus (WSSV)." *Skripsi. Universitas Brawijaya* 1-27.
- Bintari, Ni Wayan Desi, Retno Kawur, dan A. A. Gde Raka Dalem. 2016. "Identifikasi Bakteri Vibrio Penyebab Vibriosis Pada Larva Udang Galah (*Macrobrachium rosenbergii* (de Man))." *Jurnal Biologi* 20(2):53-58.
- Boone. 1931. "ITIS Standard Report Page : *Litopenaeus vannamei* Comments." 1-2. Diambil 1 Maret 2021 (https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=551682&print_version=PRT&source=to_print#null).
- Dugassa, Hailu, dan De Gyrse Gaetan. 2018. "Biology of White Leg Shrimp, *Penaeus vannamei*: Review." *World Journal of Fish and Marine Sciences* 10(2):5-17. doi: 10.5829/idosi.wjfms.2018.05.17.
- Fajriani, Bunga, Anto Budiharjo, dan Sri Pujiyanto. 2018. "Isolasi dan Identifikasi Molekuler Bakteri Antagonis Terhadap *Vibrio Parahaemolyticus* Patogen Pada Udang *Litopenaeus Vannamei* dari Produk Probiotik dan Sedimen Mangrove di Rembang." *Jurnal Biologi* 7(1):52-63.
- FAO. 2019. "Cultured Aquatic Species Information Programme *Penaeus vannamei*." *Food and Agriculture Organization of the United Nations for a world without hunger CulturedCultured* 175:14.
- Farmer, J. J., F. W. Hickman-Brenner, G. R. Fanning, C. M. Gordon, dan D. J. Brenner. 1988. "Characterization of *Vibrio metschnikovii* and *Vibrio gazogenes* by DNA-DNA hybridization and phenotype." *Journal of Clinical Microbiology* 26(10):1993-2000. doi: 10.1128/jcm.26.10.1993-2000.1988.
- Félix, Diana Medina, José Antonio, López Elías, Ángel Isidro, Campa Córdova, Luis Rafael, Martínez Córdova, Antonio Luna González, dan Edilmar Cortez Jacinto. 2017. "Survival of *Litopenaeus vannamei* shrimp fed on diets supplemented with *Dunaliella* sp. is improved after challenges by *Vibrio parahaemolyticus*." *Journal of Invertebrate Pathology*. doi: 10.1016/j.jip.2017.06.003.
- Felix, Feliatra, Titania Nugroho, Sila Silalahi, dan Yuslina Octavia. 2012. "Molecular Characteristics of Vibrio Sp Causing Black Tiger Prawn (*Penaeus Monodon*) Disease In Sumatra And Java Shrimp Ponds By 16s rDNA Sequencing." *Proceedings of the International Seminar* 1-11.
- Felix, Feliatra, Yuslina Octavia, Siha Silalahi, dan Titania Nugroho. 2011. "Skrining bakteri vibrio sp asli Indonesia sebagai penyebab penyakit udang

- berbasis teknik 16S Ribosomal DNA." *Jurnal Ilmu dan Teknologi Kelautan Tropis* 3(2):85–99.
- Gusman, Ery. 2019. "Identifikasi Bakteri Vibrio Yang Diisolasi dari Sedimen Mangrove di Sekitar Tambak Udang Vaname Identification of Vibrio isolated from Mangrove Sediment Near to Vannamei Ponds." *Jurnal Ilmu Perikanan* 10(2):121–27.
- Gusman, Ery, dan Firman. 2012. "Identifikasi Bakteri Vibrio sp pada Udang Windu (*Penaeus Monodon*) di Tambak Tradisional Kota Tarakan." 5(2):173–83.
- Hala, Yusminah, Suwanto Antonius, Ridwan Affandi, dan Muhammad Zairin. 2002. "Adherence and pathogenicity assay of." (18):38–51.
- Han, Eun Jee, Seong-kyoon Choi, Se-hyeon Han, Seung Chan, Hye Jin, Chorong Lee, Kyeong Yeon, Young Seo, Seul Chan, Gahngyoon Rhee, Seon Young, Jun-seob Kim, Song Park, Ji Hyung, dan Kyeong-jun Lee. 2020. "Genomic and histopathological characteristics of *Vibrio parahaemolyticus* isolated from an acute hepatopancreatic necrosis disease outbreak in Pacific white shrimp (*Penaeus vannamei*) cultured in Korea." *Aquaculture* 524(January):735284. doi: 10.1016/j.aquaculture.2020.735284.
- Harris, Enang. 2012. "Isolasi dan karakterisasi *Vibrio* patogen pada ikan kerapu macan *Epinephelus fuscoguttatus* Isolation and characterization of pathogenic *Vibrio* on tiger grouper *Epinephelus fuscoguttatus*." 11(1):28–37.
- Helena Rebouças, Rosa, Oscarina Viana de Sousa, Anahy Sousa Lima, Fabio Roger Vasconcelos, Patricia Barroso de Carvalho, dan Regine Helena Silva dos Fernandes Vieira. 2011. "Antimicrobial resistance profile of *Vibrio* species isolated from marine shrimp farming environments (*Litopenaeus vannamei*) at Ceará, Brazil." *Environmental Research* 111(1):21–24. doi: 10.1016/j.envres.2010.09.012.
- Hikmawati, Farida, Ari Susilowati, dan Ratna Setyaningsih. 2019. "Deteksi jumlah dan uji patogenitas *Vibrio* spp . pada kerang hijau (*Perna viridis*) dikawasan wisata Pantai Yogyakarta." *Prosiding Seminar Nasional Masyarakat Biodiversitas Indonesia* 5(2):334–39. doi: 10.13057/psnmbi/m050234.
- Huyyirnah, dan Fitriyani. 2020. "Metode Penyimpanan Bakteri *Vibrio alginolitycus* dan *Vibrio harveyi* Dalam MediaTSB (Tryptic Soy Broth) dan Gliserol." *Intgrated Lab Journal* 08(02):91–101.
- Ihsan, Burhanuddin, dan Endah Retnaningrum. 2017. "Isolasi dan identifikasi bakteri *Vibrio* sp. pada kerang kapah (*Meretrix meretrix*) di kabupaten trenggalek." *Jurnal Harpodon Borneo* 10(1):23–27.
- Ilmiah, Sukenda, Widanarni, dan Enang Harris. 2012. "Isolasi dan Karakterisasi *Vibrio* Patogen pada Ikan Kerapu Macan *Epinephelus fuscoguttatus*." *Jurnal Akuakultur Indonesia* 11(1):28–37.
- Jellouli, Kemel, Ali Bougatef, Laila Manni, Rym Agrebi, Rayda Siala, Islem

- Younes, dan Moncef Nasri. 2009. "Molecular and biochemical characterization of an extracellular serine-protease from *Vibrio metschnikovii* J1." *Journal of Industrial Microbiology and Biotechnology* 36(7):939–48. doi: 10.1007/s10295-009-0572-5.
- Kharisma, Adnan, dan Abdul Manan. 2012. "Kelimahan Bakteri Vibrio sp. Pada Air Pembesaran Udang Vannamei (*Litopenaeus vannamei*) Sebagai Deteksi Dini Serangan Penyakit Vibriosis." *Jurnal Ilmiah Perikanan dan Kelautan* 4(2):129–34.
- KKP. 2014. "Udang vaname (*Litopenaeus vannamei* , Boone 1931)." *Badan Standarisasi Nasional SNI 8037.1*.
- KKP. 2017. "[statistik - kkp]." 1-7. Diambil 24 Maret 2021 (<https://statistik.kkp.go.id/home.php?m=total&i=2#panel-footer>).
- Lee, J. V., T. J. Donovan, dan A. L. Furniss. 1978. "Characterization, taxonomy and emended description of *Vibrio metschnikovii*." *International Journal of Systematic Bacteriology* 28(1):99–111. doi: 10.1099/00207713-28-1-99.
- Leyva-Madrigal, Karla Y., Antonio Luna-González, César M. Escobedo-Bonilla, Jesús A. Fierro-Coronado, dan Ignacio E. Maldonado-Mendoza. 2011. "Screening for potential probiotic bacteria to reduce prevalence of WSSV and IHHNV in whiteleg shrimp (*Litopenaeus vannamei*) under experimental conditions." *Aquaculture* 322–323:16–22. doi: 10.1016/j.aquaculture.2011.09.033.
- Linde, Hans Jörg, Reinhard Kobuch, Sylvia Jayasinghe, Udo Reischl, Norbert Lehn, Stefan Kaulfuss, dan Lothar Beutin. 2004. "Vibrio metschnikovii, a rare cause of wound infection." *Journal of Clinical Microbiology* 42(10):4909–11. doi: 10.1128/JCM.42.10.4909-4911.2004.
- Matté, Maria H., Lucia Baldassi, Maria Luisa Barbosa, Maria I. C. Malucelli, Sandra M. O. O. Nitrini, dan Glavur R. Matté. 2007. "Virulence factors of *Vibrio metschnikovii* strains isolated from fish in Brazil." *Food Control* 18(6):747–51. doi: 10.1016/j.foodcont.2006.03.012.
- Miyake, M., T. Honda, dan T. Miwatani. 1988. "Purification and characterization of vibrio metschnikovii cytolysin." *Infection and Immunity* 56(4):954–60. doi: 10.1128/iai.56.4.954-960.1988.
- Muliani, Atmomarsono Muharijadi, dan Nurhidayah. 2017. "Patogenisitas Beberapa Bakteri Vibrio yang Diisolasi dari Sedimen Tambak Terhadap Udang Windu (*Penaeus monodon*)."*Jurnnal Penelitian dan Perikanan Indonesia* 6(3-4):44–50.
- Muliani, Nurhidayah, dan Muharjadi Atmomarsono. 2005. "Karakterisasi, Analisis Gen 16s-rRNA Bakteri BL542 dan Evaluasi Efek Baktertsidanya Terhadap Vibrio Harveyi Penyebab Penyakti pada Udang Windu (*Penaeus monodon*)."*Jurnal Penelitian peikanan Indonesia* 11(1):59–71.
- Muthukrishnan, Sarmila, Tom Defoirdt, M. Y. Ina-salwany, dan Fatimah Yusoff.

2019. "Vibrio parahaemolyticus and Vibrio harveyi causing Acute Hepatopancreatic Necrosis Disease (AHPND) in Penaeus vannamei (Boone , 1931) isolated from Malaysian shrimp ponds." *Aquaculture* 511(May):734227. doi: 10.1016/j.aquaculture.2019.734227.
- Nadhif, Muhammad. 2016. "Pengaruh Pemberian Probiotik pada Pakan dalam berbagai Konsentrasi Terhadap Pertumbuhan dan Mortalitas Udang Vaname (Litopenaeus vannamei)." *Skripsi Universitas Airlangga Surabaya* 1-50.
- Neogi, S. B., B. P. Koch, P. Schmitt-Kopplin, C. Pohl, G. Kattner, S. Yamasaki, dan R. J. Lara. 2011. "Biogeochemical controls on the bacterial populations in the eastern Atlantic Ocean." *Biogeosciences* 8(12):3747-59. doi: 10.5194/bg-8-3747-2011.
- NICHOLLS, K. M., J. V. LEE, dan T. J. DONOVAN. 1976. "An Evaluation of Commercial Thiosulphate Citrate Bile Salt Sucrose Agar (TCBS)." *Journal of Applied Bacteriology* 41(2):265-69. doi: 10.1111/j.1365-2672.1976.tb00629.x.
- Nitimulyo, Kamiso Handoyo, Alim Isnansetyo, Triyanto Triyanto, Indah Istiqomah, dan Muhammmad Murdjani. 2005. "ISOLASI, IDENTIFIKASI DAN KARAKTERISASI Vibrio spp. PATOGEN PENYEBAB VIBRIOSIS PADA KERAPU DI BALAI BUDIDAYA AIR PAYAU SITUBONDO." *Jurnal Perikanan Universitas Gadjah Mada* 7(1):80. doi: 10.22146/jfs.9053.
- Nugroho, Agus Dwi, Andi Rifani, Edy Masduqi, Dyah Wahyuning Tyas, Rochma Widayanti, Reni Aqwil Masithah, Ridwan Dicky Romadon, Teguh Sulissetiyo, Reiningsih, dan Alwi Handono Topo. 2020. "Penguatan Strategi Untuk Pengembangan Minapolitan Kabupaten Cilacap." *Reinforcement Strategy for the Development of Minapolitan in the Cilacap Regency Journal* 15(2):145-57.
- Pacini. 1954. "ITIS Standard Report Page: Dasypodidae." *ITIS report* 1-3. Diambil 1 Maret 2021 (https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=180101#null).
- Pang, Huanying, Gang Wang, Shihui Zhou, Junlin Wang, Jichen Zhao, Rowena Hoare, Sean J. Monaghan, Ziling Wang, dan Chengbo Sun. 2019. "Fish and Shellfish Immunology Survival and immune response of white shrimp Litopenaeus vannamei following single and concurrent infections with WSSV and Vibrio parahaemolyticus." *Fish and Shellfish Immunology* 92(February):712-18. doi: 10.1016/j.fsi.2019.06.039.
- Portillo, Esther Rubio, Adriana Villamor, Victoria Fernandez-Gonzalez, Josefa Antón, dan Pablo Sanchez-Jerez. 2019. "Exploring Changes in Bacterial Communities to Assess the Influence of Fish Farming on Marine Sediments." *Aquaculture* 506:459-64. doi: 10.1016/j.aquaculture.2019.03.051.
- Putu, Ni, Tika Lestari, Pande Gde, Sasmita Julyantoro, dan Endang Wulandari. 2018. "Uji Tantang Bakteri Vibrio harveyi Pada Pasca Larva Udang Vaname

- (Litopenaeus vannamei)." 121:114–21.
- Rafiqie, Musyaffa. 2014. "Penyakit Udang Vaname (Litopenaeus Vannamei) di Tambak PT Tanjung Bejo, Pajajaran Kabupaten Probolinggo." *Jurnal Ilmu Perikanan* 5(1):20–24.
- Rinanda, Tristia. 2011. "Analisis Sekuensing 16S rRNA di Bidang Mikrobiologi." *Jurnal Kedokteran Syiah Kuala* 11(3):172–77.
- Samuria, Sitti Asna, Indriyani Nur, dan Muhammin Hamzah. 2018. "Pengaruh Ekstrak Daun Mangrove (*Avicennia marina*) terhadap Ketahanan Tubuh Udang Vaname (Litopenaeus vannamei)." *JSIPi (Jurnal Sains dan Inovasi Perikanan) (Journal of Fishery Science and Innovation)* 2(2). doi: 10.33772/jcipi.v2i2.7573.
- Sarjito, Milza Apriliani, dan Alfabetian Harjuno Condro Haditomo. 2016. "Keanekaragaman agensi penyebab vibriosis pada Udang Vaname (Litopenaeus vannamei) dan sensitasnya terhadap antibiotik." *Journal of Aquaculture Management and Technology* 5(1):98–107.
- Sarjito, Mita Umiliana, dan Desrina. 2016. "Pengaruh Salinitas Terhadap Infeksi Infectious myonecrosis virus (IMNV) pada Udang Vaname Litopenaeus vannamei (Boone,1931)." *Journal of Aquaculture Management and Technology* 5(1):73–81.
- Sombatjinda, Siriphorn, Nimiradee Boonapatcharoen, Marasri Ruengjitchatchawalya, Chalermraj Wantawin, Boonsirm Withyachumnarnkul, dan Somkiet Techkarnjanaruk. 2011. "Dynamics of Microbial Communities in an Earthen Shrimp Pond during the Shrimp Growing Period." *Environment and Natural Resources Research* 1(1). doi: 10.5539/enrr.v1n1p171.
- de Souza Valente, Cecilia, dan Alex H. L. Wan. 2021. "Vibrio and major commercially important vibriosis diseases in decapod crustaceans." *Journal of Invertebrate Pathology* 181(December 2020):107527. doi: 10.1016/j.jip.2020.107527.
- Supriatin, Lilik S., dan Martono. 2016. "Dampak Perubahan Iklim (El Nino, La Nina, Tinggi Muka Laut) Pada Perikanan Tambak di Pesisir Cilacap." *Seminar Nasional Peran Geospasial dalam Membingkai NKRI* 1(1):165–72.
- Suwoyo, Hidayat Suryanto, Muhammad Chadir Undu, dan Makmur. 2014. "Laju Sedimentasi dan Karakterisasi Sedimen Tambak Super Intensif Udan Vaname (Litopenaeus vannamei)." *Proceeding* 343–55.
- Suwoyo, Suryanto Hidayat, Suwardi Tahe, dan Mat Fahrur. 2015. "Karakterisasi Limbah Sedimen Tambak Udang Vaname (Litopenaeus vannamei) Super Intensif dengan Kepadatan Berbeda." *Prosiding Forum Inovasi Teknologi Akuakultur* 901–13.
- Tyas, Diani Estining, Niniek Widyorini, dan Anhar Solichin. 2018. "Perbedaan Jumlah Bakteri dalam Sedimen Pada Kawasan Bermangrove dan Tidak

Bermangrove di Perairan Desa Bedono, Demak." *Journal of Maquares* 7(2):189–96.

Wang, Quanchao, Yang Yu, Qian Zhang, Xiaojun Zhang, dan Hao Huang. 2019. "Evaluation on the genomic selection in *Litopenaeus vannamei* for the resistance against *Vibrio parahaemolyticus*." *Aquaculture* 505(February):212–16. doi: 10.1016/j.aquaculture.2019.02.055.

Widiyanto, T., I. Rusmana, D. Febrianti, H. Shohihah, A. Triana, dan Y. Mardiati. 2020. "Profiles of Vibrio and heterotrophic bacteria in the intensive Vanamee shrimp culture using bioremediation technique in Karawang." *IOP Conference Series: Earth and Environmental Science* 535(1). doi: 10.1088/1755-1315/535/1/012019.

You, Jian Lan, Xiao Li Xue, Li Xiang Cao, Xin Lu, Jian Wang, Li Xin Zhang, dan Shi Ning Zhou. 2007. "Inhibition of Vibrio biofilm formation by a marine actinomycete strain A66." *Applied Microbiology and Biotechnology* 76(5):1137–44. doi: 10.1007/s00253-007-1074-x.

Yudiat, Ervia, Sri Sedjati, Ipanna Enggar, dan Materi Metoda. 2012. "Dampak Pemaparan Logam Berat Kadmium pada Salinitas yang Berbeda terhadap Mortalitas dan Kerusakan Jaringan Insang Juvenile Udang Vaname (*Litopeneus vannamei*)." *ILMU KELAUTAN: Indonesian Journal of Marine Sciences* 14(4):29–35. doi: 10.14710/ik.ijms.14.4.29-35.

Zhai, Qianqian, dan Jian Li. 2019. "Fish and Shellfish Immunology Effectiveness of traditional Chinese herbal medicine , San-Huang-San , in combination with enrofloxacin to treat AHPND-causing strain of *Vibrio parahaemolyticus* infection in *Litopenaeus vannamei*." *Fish and Shellfish Immunology* 87(September 2018):360–70. doi: 10.1016/j.fsi.2019.01.008.