

DAFTAR PUSTAKA

- Abudi, C. P., Koniyo, Y., Suherman, S. P., & Lamadi, A. (2023). Identifikasi Infeksi WSSV (White Spot Syndrome Virus) Pada Udang Vaname (*Litopenaeus vannamei*) Dengan Metode PCR (Polimerase Chain Reaction) Di Kecamatan Wanggarasi. *Research Review: Jurnal Ilmiah Multidisiplin*, 2(1), 55-60.
- Ahmad, T., Sanyal, K. B., Mukherjee, D., Abraham, T. J., & Dash, G. (2017). Detection of white spot virus (WSV) in *Litopenaeus vannamei* from shrimp aquaculture farms in East Midnapore district, West Bengal (India). *Int J Fish Aquat Stud*, 5(2), 200-204.
- Akbar, S. M., Effendi, I., Feliatra, F., & Muhson, N. (2022). Prevalence analysis of WSSV (white spot syndrome virus) in vaname shrimp (*Litopenaeus vannamei*) in Bengkalis District. *Journal of Coastal and Ocean Sciences*, 3(3), 166-170.
- Alfaro-Montoya, J., Hernández-Noguera, L., Vega-Alpizar, L., & Umaña-Castro, R. (2016). Effects of androgenic gland ablation on growth, sexual characters and spermatogenesis of the white shrimp, *Litopenaeus vannamei* (Decapoda: Penaeidae) males. *Aquaculture Research*, 47(9), 2768-2777.
- Amrillah, A. M., Widyarti, S., & Kilawati, Y. (2015). Dampak stres salinitas terhadap prevalensi White Spot Syndrome Virus (WSSV) dan survival rate udang vanamei (*Litopenaeus vannamei*) pada kondisi terkontrol. *Research Journal of Life Science*, 2(2), 110-123.
- Amrillah, A. M., Widyarti, S., & Kilawati, Y. (2015). Effect of maintenance at different salinity against white spot syndrome virus (WSSV) infection level in post larvae *Litopenaeus vannamei* shrimp. *The Journal of Experimental Life Science*, 5(2), 56-62.
- Arafani, L., Mursal Ghazali dan Muhamad Ali. 2016. Pelacakan Virus Bercak Putih pada Udang Vaname (*Litopenaeus vannamei*) di Lombok dengan Real-Time Polymerase Chain Reaction. *Jurnal Veteriner*. 17(1): 88-95.
- Badan Karantina Indonesia. (2024). Modul Layanan BEST Trust: Panduan untuk Pengguna Jasa dan Petugas. Jakarta: Badan Karantina Indonesia.
- Balai Besar Karantina Hewan, Ikan, dan Tumbuhan Sulawesi Selatan. 2024. Rencana Strategis Balai Besar Karantina Hewan, Ikan, dan Tumbuhan Sulawesi Selatan Tahun 2024–2028. Makassar: Badan Karantina Indonesia.
- Cox, Natasja., Evelien De Swaef., Mathias Corteel., Wim Van Den Broeck., Peter Bossier., João J. Dantas-Lima dan Hans J. Nauwynck. 2023. The Way of Water: Unravelling White Spot Syndrome Virus (WSSV) Transmission Dynamics in *Litopenaeus vannamei* Shrimp. *Viruses*. 15(9): 1801-1824.
- Darmawan, M., Setyawan, A., Juliasih, N. L. G. R., & Fidyandini, H. P. (2023). Efektivitas perlindungan udang vaname (*Litopenaeus vannamei*) terhadap infeksi white spot syndrome virus (WSSV) dengan suplementasi natrium alginat *Sargassum* sp. dari perairan Lampung dan kombinasi dengan vitamin C. *Journal of Tropical Marine Science*.

- Desrina, Prayitno, S. B., Verdegem, M. C., Verreth, J. A., & Vlak, J. M. (2022). White spot syndrome virus host range and impact on transmission. *Reviews in Aquaculture*, 14(4), 1843-1860.
- Dey, B. K., Dugassa, G. H., Hinzano, S. M., & Bossier, P. (2020). Causative agent, diagnosis and management of white spot disease in shrimp: A review. *Reviews in Aquaculture*, 12(2), 822-865.
- Fauziati dan Devi Yulianti. 2022. Pemeriksaan virus white spot syndrom virus (WSSV) pada udang vaname (*Litopenaeus vannamei*) di Stasiun Karantina Ikan Pengendalian Mutu Dan Keamanan Hasil Perikanan (SKIPM) Aceh. *Jurnal Marikultur*. 4(1): 1-7.
- González-Salas, R., Barragán, D. R. V., Villa, M. A. J., & López, M. G. J. (2024). Affections in white shrimp cultures due to the white spot syndrome virus. *Salud, Ciencia y Tecnología-Serie de Conferencias*, 3, 110.
- Hamjah, Mardiana., Lili Suharli dan Amira Baihani. 2024. Identifikasi White Spot Syndrome Virus (Wssv) Pada Udang Vaname (*Litopenaeus Vannamei*) Di Balai Karantina Ikan Pengendalian Mutu Dan Keamanan Hasil Perikanan (BKIPM) Mataram. *Jurnal perikanan terapan*. 1(1): 29-34.
- Hannan, M. A., Habib, K. A., Shahabuddin, A. M., Haque, M. A., & Munir, M. B. (2022). Post-harvest processing, packaging and inspection of frozen shrimp: a practical guide. Springer Nature.
- Haq, M. B., Durgadevi, K., Banu, M. N., Ahamad, A. S., Tiwary, C., & Srinivasan, M. (2015). Detection of white spot syndrome virus (WSSV) in the pacific white shrimp *Litopenaeus vannamei* in southern India using PCR, SEM and histological techniques. *Indian J. Biotechnol*, 14, 369-375.
- Hidayani, A. A., Malina, A. C., Tampangallo, B. R., & Fathurrahman, A. F. (2015). Deteksi distribusi white spot syndrome virus pada berbagai organ udang vaname (*Litopenaeus vannamei*). *Torani Journal of Fisheries and Marine Science*, 25(1).
- Islam, Sk Injamamul., Muslim Jahan Mou., Saloa Sanjida dan Sarower Mahfuj. 2023. A review on molecular detection techniques of white spot syndrome virus: Perspectives of problems and solutions in shrimp farming. *Veterinary Medicine and Science*. 9(2): 778–801.
- Jeswin, J., Anju, A., Thomas, P. C., Paulton, M. P., & Vijayan, K. K. (2015). Analysis of viral load between different tissues and rate of progression of white spot syndrome virus (WSSV) in *P. enaeus monodon*. *Aquaculture research*, 46(8), 2003-2012.
- Jeswin, J., Anju, A., Thomas, P. C., Paulton, M. P., & Vijayan, K. K. (2015). Analysis of viral load between different tissues and rate of progression of white spot syndrome virus (WSSV) in *P. enaeus monodon*. *Aquaculture research*, 46(8), 2003-2012.
- Jiang, L., Xiao J., Liu L., Pan Y., Yan S dan Wang Y. 2017. Characterization and prevalence of a novel white spot syndrome viral genotype in naturally infected wild crayfish, *Procambarus clarkii*, in Shanghai, China. *Virus Disease*. 28(3): 250-261.

- Kakoolaki, S., & Afsharnasab, M. (2017). Histopathological indices of WSSV infection in target tissues and their correlation with hindgut infections in *Penaeus vannamei* (Decapoda, Dendrobranchiata). *Crustaceana*, 90(6), 645-657.
- Kurniawan, A., Zulkisam P., Yanuar T.R., Hari J dan Abdul A.A. 2021. *Kunci Sukses Budidaya Udang Vaname Pengelola Akuakultur berbasis Ekologi Mikroba*. Malang: Universitas Brawijaya Press.
- Latritiani, R., et al. (2017). Keberadaan White Spot Syndrome Virus (WSSV) pada Udang Vannamei di Pertambakan Kota Pekalongan. *Jurnal Akuakultur*.
- Maimunah, Y., & Kilawati, Y. (2015). Kualitas lingkungan tambak insentif *Litopenaeus Vannamei* dalam kaitannya dengan prevalensi penyakit white spot syndrome virus. *Research Journal of Life Science*, 2(1), 50-59.
- Maryati, H., & Nurjismi, R. (2017). Deteksi Penyakit WSSV (White Spot Syndrome Virus) pada Udang Vannamei (*Litopenaeus vannamei*) dengan Metode PCR Konvensional dan Real Time PCR (qPCR) Menggunakan Hydrolisis Probe. *Jurnal Ilmiah Respati*, 8(1).
- Ment, D., Shikano, I., & Glazer, I. (2017). Abiotic factors. *Ecol. Invertebr. Dis. Wiley, Ltd, Hoboken*, 143-186.
- Millard, R. S., Ellis, R. P., Bateman, K. S., Bickley, L. K., Tyler, C. R., van Aerle, R., & Santos, E. M. (2021). How do abiotic environmental conditions influence shrimp susceptibility to disease? A critical analysis focussed on White Spot Disease. *Journal of invertebrate pathology*, 186, 107369
- Min-Jeong, Kim., Su Hyun Kim., Jong-Oh Kim., Taek-Kyun Lee., In-Kwon Jang dan Tae-Jin Choi. 2023. Efficacy of White Spot Syndrome Virus Protein VP28-Expressing *Chlorella vulgaris* as an Oral Vaccine for Shrimp. *Viruses*. 15(10): 1-15.
- Muegue, M. F. S., Padilla, P. I. P., Bermeo-Capunong, M. R. A. C., Caipang, C. M. A., Gestuveo, R. J., Amar, M. J. A., & Geduspan, J. S. (2023). Histological Changes in the Hepatopancreas and Stomach of *Litopenaeus vannamei* Experimentally Induced with White Spot Syndrome Virus Infection. *UTTAR PRADESH JOURNAL OF ZOOLOGY*, 44(16), 63-72
- Muegue, M. F. S., Padilla, P. I. P., Bermeo-Capunong, M. R. A. C., Caipang, C. M. A., Gestuveo, R. J., Amar, M. J. A., & Geduspan, J. S. (2023). Histological Changes in the Hepatopancreas and Stomach of *Litopenaeus vannamei* Experimentally Induced with White Spot Syndrome Virus Infection. *UTTAR PRADESH JOURNAL OF ZOOLOGY*, 44(16), 63-72.
- Oakey, J., Smith C., Underwood D., Afsharnasab M., Alday-Sanz V., Dhar A., Sivakumar S., Sahul Hameed A.S., Beattie K dan Crook A. 2019. Global distribution of white spot syndrome virus genotypes determined using a novel genotyping assay. *Archives of Virology*. 164(8): 2061-2082.
- Piamsomboon, P., Inchaisri, C., & Wongtavatchai, J. (2015). White spot disease risk factors associated with shrimp farming practices and geographical location in Chanthaburi province, Thailand. *Diseases of aquatic organisms*, 117(2), 145-153.

- Rajendran, K. V., Sreedharan, K., Karunasagar, I., Karunasagar, I., & Dhar, A. K. (2025). White Spot Syndrome Virus (WSSV). In *Aquatic Animal Health Management* (pp. 293-406). Singapore: Springer Nature Singapore.
- Rakhshaninejad, M., Zheng, L., & Nauwynck, H. (2023). Shrimp (*Penaeus vannamei*) survive white spot syndrome virus infection by behavioral fever. *Scientific Reports*, *13*(1), 18034.
- Ramadhan, A. P., Setyaningrum, E. W., & Yuniartik, M. (2024). Monitoring Diseases in Water of *Vannamei* Shrimp (*Litopenaeus Vannamei*), Banyuwangi District. *Journal of Aquaculture Science*, *9*(1), 39-47.
- Riska, R., Zulkarnain, Z., & Harnita, R. (2022). Kegiatan impor komoditi pertanian di wilayah kerja Pelabuhan Laut Soekarno Hatta BBKP Makassar tahun 2021. *Filogeni: Jurnal Mahasiswa Biologi*, *2*(3), 81-85.
- Satrio, R., Irfani, Y. N., & Lasut, M. R. S. (2023). Hambatan Dan Upaya Meningkatkan Ekspor Udang Di Indonesia. *Journal of Economics & Management*. <https://doi.org/10.55681/ecoma.v1i3.28>
- Shalini, R., Haq, M. B., Ahamed, A. S., Kumar, P., Sedhuraman, V., & Banu, M. N. (2016). WSSV transmission studies on polychaete *Pereneris cultifera* to Pacific white shrimp SPF *Litopenaeus vannamei* in captivity. *J. Pure Appl. Biosci*, *4*(6), 59-75.
- Sun, L., Su, Y., Zhao, Y., Fu, Z. Q., & Wu, Y. (2016). Crystal structure of major envelope protein VP24 from white spot syndrome virus. *Scientific reports*, *6*(1), 32309.
- Swathi, A., Shekhar, M. S., Karthic, K., Kumar, K. V., Muralidhar, M., Hauton, C., & Vijayan, K. K. (2021). Variation in biotic and abiotic factors associated with white spot syndrome virus (WSSV) outbreak in shrimp culture ponds. *Indian Journal of Fisheries*, *68*(1).
- Undang-Undang Republik Indonesia. (2019). Undang-Undang Republik Indonesia Nomor 21 Tahun 2019 Tentang Karantina Hewan, Ikan, dan Tumbuhan.
- Usman, A., Andayani, S., & Herawati, E. Y. (2018). White Spot Syndrome Virus (WSSV) detection at traditional ponds of *Lithopenaeus vannamei* in Pasuruan District. *The Journal of Experimental Life Science*, *8*(3), 173-176.
- Widodo, W., Ilmiah, I., & Hadijah, S. (2022). Status Penyakit Infectious Hypodermal and Haematopoietic Necrosis Virus (ihhnv) Yang Menginfeksi Budidaya Udang *Vannamei* (*Litopenaeus vannamei*) DI Kabupaten Pinrang. *JOURNAL OF INDONESIAN TROPICAL FISHERIES (JOINT-FISH): Jurnal Akuakultur, Teknologi dan Manajemen Perikanan Tangkap dan Ilmu Kelautan*, *5*(2), 217-227.
- Yanti, Miske Evi Gusti., Nurlaila Ervina Herliany., Bertoka F.S.P. Negara dan Maya Angraini Fajar Utami. 2017. Deteksi Molekuler White Spot Syndrome Virus (Wssv) Pada Udang Vaname (*Litopenaeus Vannamei*) Di PT. Hasfam Inti Sentosa. *Jurnal Enggano*. *2*(2): 156-169.