ANALISIS PENGGUNAAN JENIS WADAH YANG BERBEDA TERHADAP PERFORMA PERTUMBUHAN DAN KELANGSUNGAN HIDUP UDANG VANAME *(Litopenaeus vannamei)*

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Budidaya udang vaname menggunakan jenis wadah berbentuk lingkaran seperti wadah kolam terpal, tank fiber dan bak PVC. Adapun permasalahan pada budidaya udang vaname seperti pertumbuhan udang yang agak lambat dan perubahan kualitas air yang tidak stabil, dalam permasalahan tersebut dilakukan penelitian analisis penggunaan jenis wadah yang berbeda terhadap performa pertumbuhan dan kelangsungan hidup udang vaname . tujuan penelitian untuk mengetahui dampak penggunaan jenis wadah budidaya dari kolam terpal, tank fiber, dan bak PVC terhadap pertumbuhan kelangsungan hidup udang vaname, metode dalam penelitian ini adalah pengamatan dan melakukan pencatatan terhadap aktivitas pada budidaya udang vaname yang dilakukan di PT. Tropical Ocean Prawn. Jenis penelitian yang digunakan deskriptif kuantitatif dan deskriptif kualitatif, dengan mengumpulkan data berupa pengukuran suhu, DO, salinitas, kecerahan dan interval pemberian pakan, performa pertumbuhan serta hasil produksi yang didapatkan kemudian dideskripsikan dengan kalimat. Rancangan penelitian berupa survei lapangan. Hasil ukur suhu berkisar 31,1-31,8 ºC, hasil rata-rata kecerahan kolam terpal 38 cm, tank fiber 35 cm dan bak PVC 41 cm, nilai hasil parameter oksigen terlarut pada kolam terpal di pagi hari 4,65 dan siang hari 4,79 mg/L, dan tank fiber pagi hari mencapai rata-rata 4,44 mg/L, siang hari 4,76 mg/L, pada bak PVC DO pagi hari mencapai rata-rata 4,69 mg/L, dan di siang hari mencapai rata- rata 4,93 mg/L, hasil salinitas disetiap wadah diperoleh 35 ppt. Berdasarkan hasil penelitian disimpulkan penggunaan jenis wadah yang berbeda memberikan dampak positif terhadap performa pertumbuhan dan kelangsungan hidup udang vaname, dimana wadah tank fiber memberikan performa pertumbuhan dan kelangsungan hidup yang paling optimal dibandingkan jenis wadah lainnya, hal ini berdasarkan dari hasil perhitungan analisis data, diketahui hanya tank fiber yang memperoleh hasil nilai kisaran tergolong baik, aman, dan layak untuk pertumbuhan udang vaname.

Kata Kunci : Wadah Budidaya, Udang Vaname, Kualitas air

ANALYSIS OF USE OF DIFFERENT TYPES OF CONTAINER ON GROWTH PERFORMANCE AND SURVIVAL OF VANAME SHRIMP *(Litopenaeus vannamei)*

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Vannamei shrimp culture uses circular types of containers such as tarpaulin pond containers, fiber tanks and PVC tubs. The problems with vaname shrimp cultivation include slow growth of shrimp and unstable changes in water quality. performance of growth and survival of vaname shrimp, the purpose of the study was to determine the impact of using types of culture containers from tarpaulin ponds, fiber tanks, and PVC tubs on the growth of vaname shrimp survival, the method in this study was to observe and record activities in vaname shrimp culture. conducted at PT Tropical Ocean Prawn. The type of research used is descriptive quantitative and descriptive qualitative by collecting data in the form of measurements of temperature, DO, salinity, brightness and feeding intervals, growth performance and production results obtained and then described with the sentence Research design in the form of field surveys. The results of measuring temperatures ranged from 31.1-31.8 °C, the average result of the brightness of the tarpaulin pool was 38 cm, the fiber tank was 35 cm and the PVC tub was 41 cm, the result value of the dissolved oxygen parameter in the tarpaulin pool in the morning was 4.65 and in the afternoon. 4.79 mg L on the day, and the average fiber in the morning reached 4.44 mg/L, 4.76 mg 1 in the afternoon, in the PVC DO tub in the morning it reached an average of 4.69 mg L, and in the afternoon reached an average of 4.93 mg/L salinity results in each container obtained 35 ppt. Based on the results of the study, it was concluded that the use of different types of containers had a positive impact on the growth and survival performance of vaname shrimp where fiber tanks provided the most optimal growth and survival performance compared to other types of containers, this is based on the results of data analysis calculations, it is known that only tanks The fiber that obtained the range value was good, safe, and suitable for the growth of vaname shrimp

Keyword : Cultivation Container, Vaname Shrimp, Water Quality