ABSTRAK

Penelitian ini berjudul Tingkat Eutrofikasi Pertambakan Berdasarkan Umur Penebaran Udang PT. Central Proteina Prima Subang, Jawa Barat. Eutrofikasi adalah pengkayaan perairan oleh unsur hara anorganik yang meliputi berbagai konsekuensi berapa tingkat kesuburan perairan secara berlebihan dan membawa berbagai konsekuensi negatif seperti meningkatnya populasi tumbuhan air (fitoplankton) secara berlebihan. Tujuan penelitian ini adalah untuk mengetahui tingkat eutrofikasi tambak berdasarkan umur penebaran udang di PT. Central Proteina Prima Subang, Jawa Barat menggunakan metode *Trophic State Index* (TSI). Metode penelitian yang digunakan adalah metode survey dengan teknik pengambilan sampel menggunakan *Stratified Random Sampling* pada 4 stasiun berdasarkan umur peneberan udang yang berbeda. Hasil penelitian menunjukkan bahwa rata-rata tingkat eutrofikasi berdasarkan metode *Trophic State Index* (TSI) di tambak PT. Central Proteina Prima Subang, Jawa Barat status kesuburan termasuk ke dalam kategori mesotrofik.

Kata kunci : *PT. Central Proteina Prima; Tingkat Eutrofikasi; Trophic State Index*.

ABSTRACT

This study entitled The Level of Aquaculture Eutrophication Based on the Age of Shrimp Stocking PT. Central Proteina Prima Subang, West Java. Eutrophication is the enrichment of water by inorganic nutrients which includes various consequences of excessive levels of water fertility and brings various negative consequences such as excessive growth of aquatic plants (phytoplankton). The purpose of this study was to determine the level of pond eutrophication based on the age of shrimp stocking at PT. Central Proteina Prima Subang, West Java uses the *Trophic State Index* (TSI) method. The research method used was a survey method with a sampling technique using *Stratified Random Sampling* at 4 stations based on the different age of shrimp collection. The results showed that the average level of eutrophication was based on the *Trophic State Index* (TSI) method in PT. Central Proteina Prima Subang, West Java, fertility status is included in the mesotrophic category.

***Key words**: PT. Central Proteina Prima; Eutrophication Rate; Trophic State Index*.