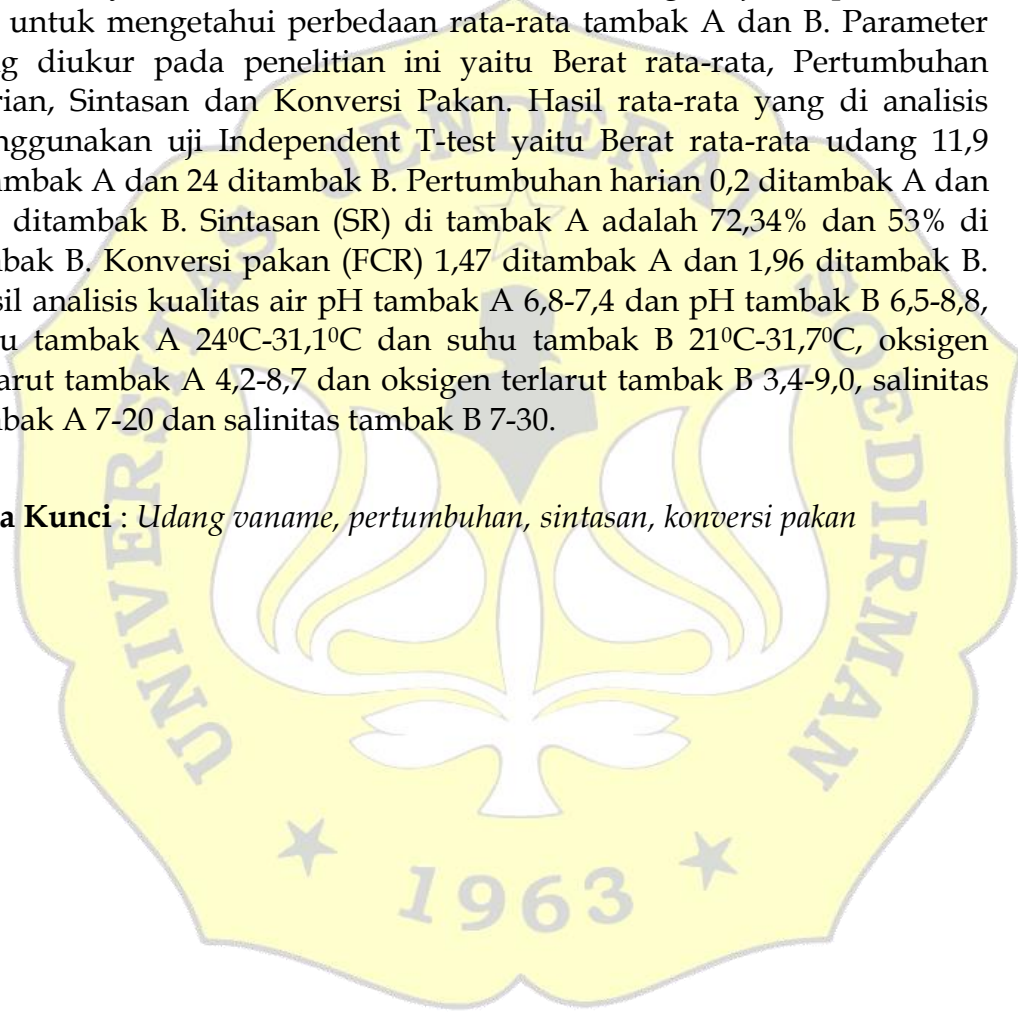


## ABSTRAK

Udang vaname (*Litopenaeus vannamei*) merupakan salah satu komoditas unggulan dengan permintaan pasar yang sangat tinggi. Udang vaname memiliki peluang pasar dan potensial untuk terus dikembangkan. Tujuan dari penelitian ini yaitu mengetahui tingkat pertumbuhan, sintasan dan konversi pakan udang vaname dengan padat tebar yang berbeda. Luas tambak A dan B 3000 m<sup>2</sup> dengan padat tebar tambak A 500.000 ekor dan tambak B 250.000 ekor. Metode yang digunakan yaitu metode survei dan dianalisis dengan uji independent T-test untuk mengetahui perbedaan rata-rata tambak A dan B. Parameter yang diukur pada penelitian ini yaitu Berat rata-rata, Pertumbuhan Harian, Sintasan dan Konversi Pakan. Hasil rata-rata yang di analisis menggunakan uji Independent T-test yaitu Berat rata-rata udang 11,9 ditambak A dan 24 ditambak B. Pertumbuhan harian 0,2 ditambak A dan 0,3 ditambak B. Sintasan (SR) di tambak A adalah 72,34% dan 53% di tambak B. Konversi pakan (FCR) 1,47 ditambak A dan 1,96 ditambak B. Hasil analisis kualitas air pH tambak A 6,8-7,4 dan pH tambak B 6,5-8,8, suhu tambak A 24<sup>o</sup>C-31,1<sup>o</sup>C dan suhu tambak B 21<sup>o</sup>C-31,7<sup>o</sup>C, oksigen terlarut tambak A 4,2-8,7 dan oksigen terlarut tambak B 3,4-9,0, salinitas tambak A 7-20 dan salinitas tambak B 7-30.

**Kata Kunci :** *Udang vaname, pertumbuhan, sintasan, konversi pakan*



## ABSTRAC

White shrimp (*Litopenaeus vannamei*) is one of the leading commodities with very high market demand. White shrimp have market opportunities and potential to continue to be developed. The aim of this research is to determine the growth rate, survival and feed conversion of vaname shrimp with different stocking densities. The area of ponds A and B is 3000 m<sup>2</sup> with a stocking density of pond A 500,000 head and pond B 250,000 head. The method used was a survey method and analyzed using an independent T-test to determine the average difference between ponds A and B. The parameters measured in this study were average weight, daily growth, survival, feed conversion. The average results were analyzed using the Independent T-test, namely the average weight of shrimp was 11.9 in pond A and 24 in pond B. Daily growth was 0.2 in pond A and 0.3 in pond B. Survival (SR) in pond A was 72.34% and 53 % in pond B. Feed Conversion (FCR) 1.86 in pond A and 1.96 in pond B. Water quality analysis results, pH of pond A 6.8-7.4 and pH of pond B 6.5-8.8, Temperature of pond A 24°C-31.1°C and temperature of pond B 21°C-31.7°C, dissolved oxygen of pond A 4.2-8.7 and dissolved oxygen of pond B 3.4-9.0, salinity of pond A 7-20 and salinity of pond B 7 -30.

**Keywords:** *Vaname shrimp, growth, survival rate, feed conversion*

