ABSTRAK

Ummu Kaltsum 10594 0882 14. Pengaruh Pemberian Pakan Komersil Yang Diinkunbasi Cairan Rumen Terhadap Pertumbuhan dan Sintasan Larva Udang Vannamei *(Litopenaeus vannamei).* Skripsi Program Studi Budidaya Perairan Fakultas Pertanian Universitas Muhammadiyah Makassar. Dibimbing oleh **Murni dan Abdul Haris Sambu.**

Penelitian ini bertujuan untuk menentukan dosis cairan rumen yang optimal dalam pakan komersil untuk meningkatkan pertumbuhan dan sintasan larva udang vannamei. Penelitian ini didesain menggunakan rancangan acak lengkap dengan 3 perlakuan dan 3 ulangan. Perlakuan diujikan adalah perlakuan A (tanpa cairan rumen), perlakuan B (3 ml/gram pakan) dan perlakuan C (5 ml/gram pakan).

Hasil penelitian menunjukkan bahwa pemberian pakan komersil yang diinkubasi cairan rumen dengandosis yang berbedaberpengaruh nyata (P<0,005) terhadap pertumbuhan dan sntasan larva udang vannamei dari stadia mysis sampai Post larva 13. Berdasarkan hasil penelitian pada pertumbuhan mutlak berdasarkan bobot tubuh rata-rata tertinggi diperoleh pada perlakuan C (dosis 5 ml/gram pakan) yaitu, kemudian perlakuan B (3 ml/gram pakan)yaitu 0,3767 gr dan terendah pada perlakuan A (tanpa cairan rumen) yaitu 0,3273 gr. Kelangsunganhiduptertinggiyaitudiperolehpadaperlakuan C 69%, kemudianperlakuanB 65% danperlakuanAyaitu52%.Olehkarenaitudapatdisimpulkanbahwapemberian pakan komersil yang diinkubasi cairan rumen dengandosis 5 ml/gram selama 30 menitdapatdiberikanpada larva vannamei stadia Mysis 2 sampaipostlarva 13 meningkatkanpertumbuhandansintasan larva udangvannamei.

Kata kunci :Pakankomersil, Cairan rumen, Larva udangvannamei, Pertumbuhan, Sintasan.

ABSTRACT

UmmuKaltsum 10594 0882 14. The Effect of Commercial Feeding That Is Initiated by Rumen Fluid on Growth and Survival of Vannamei Shrimp Larvae (Litopenaeusvannamei). Thesis of Aquaculture Study Program, Faculty of Agriculture, Muhammadiyah University of Makassar.Guided by **Murni** and **Abdul HarisSambu.**

This study aims to determine the optimal dose of rumen fluid in commercial feed to increase the growth and survival of vannamei shrimp larvae. This study was designed using a completely randomized design with 3 treatments and 3 replications. The treatments tested were treatment A (without rumen fluid), treatment B (3 ml / gram of feed) and treatment C (5 ml / gram of feed).

The results showed that the effect of commercial feed incubated by rumen fluid had a significant effect (P <0.005) on the growth and growth of vannamei shrimp larvae from mysis 2 stage to Post larvae 13. Based on the conclusion of this study, absolute growth based on the highest average body weight was obtained in the treatment C (dose 5 ml / gram of feed) that is, then treatment B (3 ml / gram of feed) which is 0.3767 gr and the lowest is on treatment A (without rumen fluid) which is 0.3273 gr. The highest survival is obtained in treatment C 69%, then treatment B 65% and treatment A is 52%.