ABSTRACT

GITA USMAN. Comparison of the Addition of Vitaliquid Booster and G-Lite Organic Fertilizer to Commercial Feed on the Growth and Survival of Freshwater Lobster Seeds (Cherax quadricarinatus). Supervised by Dr. DEWI SHINTA ACHMAD as the chair and Dr. WIDIASTUTI ARDIANSYAH as a member.

This research was conducted at the Aquaculture Biology Laboratory of Muhammadiyah University Gorontalo. The aim of this research is to determine the effect of Vitaliquid booster and G-Lite organic fertilizer on commercial feed on the growth and survival of freshwater lobsters. (Cherax quadricarinatus). The research method is an experiment using a completely randomized design (CRD) with four treatments and three replications. The testing was conducted with different types of supplements. The best results were found in treatment C. (kombinasi pakan dan G-Lite). The results of the ANOVA variance analysis show that the administration of different supplements has a significant effect on the growth and survival of freshwater lobsters. (Cherax quadricarinatus). During the study, water quality was maintained in good condition for the growth and survival of freshwater lobsters. (Cherax quadricarinatus).

Keywords: Lobster, Boster Vitaliquid, G-Lite Fertilizer

ABSTRAK

GITA USMAN. Perbandingan Penambahan Boster Vitaliquid dan Pupuk Organik G-Lite Pada Pakan Komersil Terhadap Pertumbuhan dan Kelangsungan Hidup Benih Lobster Air Tawar *(Cherax quadricarinatus).* Dibimbing oleh Dr. DEWI SHINTA ACHMAD sebagai ketua dan Dr. WIDIASTUTI ARDIANSYAH sebagai anggota.

Penelitian dilakukan di Laboratorium Biologi Akuakultur Universitas Muhammadiyah Gorontalo. Tujuan penelitian ini adalah untuk mengetahui pengaruh boster vitaliquid dan pupuk organic G-Lite pada pakan komersil terhadap pertumbuhan dan kelangsungan hidup lobster air tawar *(Cherax quadricarinatus).* Metode penelitian ini adalah eksperimen menggunakan rancangan acak lengkap (RAL) dengan empat perlakuan dan tiga kali ulangan. Pengujian dilakukan dengan jenis suplemen berbeda. Hasil terbaik terdapat pada perlakuan C (kombinasi pakan dan G-Lite). Hasil analisis sidik ragam ANOVA menunjukkan bahwa pemberian suplemen berbeda member pengaruh nyata terhadap pertumbuhan dan kelangsungan hidup lobster air tawar *(Cherax quadricarinatus).* Selama penelitian kualitas air termasuk dalam kondisi baik untuk pertumbuhan dan kelangsungan hidup lobster air tawar *(Cherax quadricarinatus).*

Kata Kunci : Lobster,Boster Vitaliquid, Pupuk G-Lite