

## **ABSTRACT**

### **THE EFFECT OF NAUPLII *Artemia* sp. AND DUCK EGG YOLK ON SURVIVAL AND GROWTH OF POST LARVAE STADIUM VANNAMEI SHIRMP (*Litopenaeus vannamei*).**

**By**

**Siti Fatimah**

Study the effect of nauplii artemia and duck egg yolk aims to determine the level of survival, growth on vannamei shirmp. Vannamei PL 11 were used in this study. Artemia and duck egg yolk is given by the ratio 100:1, 75:25, 50:50, 25:50, and 1:100. The experimental design used was completely randomized design with five treatments and three replications. Data were analyzed using the ANNOVA test and Duncan test. The results showed that no significant effect on survival but affected significantly for PL 11- PL 20 vannamei growth. Artemia without duck egg yolk gives the best survival of 85,33%, the addition of egg yolk duck as much as 25 % showed the best results in vannamei growth. Absolute growth reaching 0,069 gram, daily weight growth rate 0,0069 gram and daily length growth rate reaching 0,097 cm.

Keywords : artemia, egg yolk, feed, growth, vannamei shirmp.