

## **ABSTRACT**

### **BANANA SKIN utilization (*Mussa spp*) AS A NUTRIENT SOURCE IN RAISING *Daphnia sp.***

**Oleh**

**Remon Firnandus**

*Daphnia sp.* is a natural food that is widely used in freshwater fish hatchery. Availability of *Daphnia sp.* most still rely on natural catchment, so the availability of *Daphnia sp.* is limited and volatile. Therefore it takes an effort to maintain the availability cultivation of *Daphnia sp.* This study aims to determine the effect of banana skin (*Mussa spp*) compost to increase the population of *Daphnia sp.* The research design used was a completely randomized design (CRD) with 3 treatments and 3 replications. Treatment in this study using a dose of banana skin compost at 3 gr/l, 6 gr/l and 9 gr/l. The results showed that the addition of banana skin compost as the cultivation media of *Daphnia sp.* significant effect on the population growth of *Daphnia sp.* the addition of compost banana skin at 6 g / l which resulted in the average population - the highest average by the number of tails that reached 1.444 by day 8.

Keyword : compost banana peels, *Daphnia sp.*, Population, natural feed.