ABSTRACT

The research was conducted in order to determine the effect of stocking density to the growth of Red Tilapia (*Oreochromis* sp) for 30 (Thirty) days. The container used are rectangular styrofoam with 75cm x 42cm x 40cm in size with a 3 (three) cm of thickness to the number 24 (twenty four) were filled with water as much as 30 liters. Test fish is Red Tilapia with an average initial weight of 11.16 grams/fish. This study uses a Completely Randomized Design with a stocking density at 20, 25, 30 and 35 fish/ maintenance tub, each repeated 6 (six) times. The type of food is commercial pellet that was crumble with contained 27% protein is given as much as 5% of the weight of biomass with a frequency of 3 (three) times a day. The results show that the stocking density is affected to the absolute growth of individuals (F> 0.01). The best stocking density was 20 fish/maintenance tub, with an average individual weight of 15.82 grams after 30 (thirty) days of the maintenance period to gained 4.785 grams/fish.

Keywords: stocking density, growth, red tilapia.