

## ABSTRAK

Penelitian berjudul Pengaruh Pemuaasaan Secara Periodik terhadap Performa Pertumbuhan Ikan Nila Sultana (*Oreochromis spp*) . Tujuan penelitian ini adalah untuk mengetahui pengaruh pemuaasaan secara periodik terhadap performa pertumbuhan, *Feed Conversion Ratio* (FCR) dan sintasan ikan Nila sultana. Pemeliharaan menggunakan akuarium 100 cm x 50 cm x 47 cm dengan volume air 200 L dilakukan di *Hatchery* Balai Benih Ikan Pandak, Baturaden pada bulan Januari-Maret 2020. Penelitian menggunakan metode eksperimental Rancangan Acak Lengkap (RAL) dengan 4 perlakuan 5 pengulangan. Perlakuan terdiri P0 (ikan diberi pakan setiap hari), P1 (dipuasakan 1 hari diberi pakan 1 hari), P2 (dipuasakan 1 hari dan dipuasakan 2 hari) dan P3 (dipuasakan 1 hari dan diberi pakan 3 hari). Hasil penelitian menunjukkan bahwa Laju Pertumbuhan mutlak berbeda nyata dengan rata rata tertinggi pada kontrol yaitu  $19,07 \pm 1,04$  gram. Laju pertumbuhan spesifik menunjukkan hasil berbeda nyata dengan rata rata tertinggi terjadi pada P0 (diberi pakan setiap hari) yaitu  $2,75 \pm 1,04$ . *Feed Conversion Ratio* (FCR) menunjukkan hasil berbeda nyata dengan hasil paling baik terjadi pada P2 yaitu  $0,61 \pm 0,05$ . Sintasan menunjukkan hasil berbeda nyata dengan rata rata tertinggi terjadi pada P1 yaitu  $77,20 \pm 3,83$ . Kualitas air meliputi rata rata DO of 6.84-7,48 mg / L, Temperature 26-29oC and pH 6-7.

**Kata Kunci** : Ikan nila sultana, pemuaasaan, pertumbuhan, *Feed Covertion Ratio*, sintasan.

## ABSTRACT

A study entitled The Effect of Periodic Satisfaction on Nila Sultana Growth Performance Performance (*Oreochromis spp*). The purpose of this study is to determine the effect of periodic gratification on growth performance, Feed Conversion Ratio (FCR) and fish sequel Nila sultana. The sultana tilapia used measures 7-9 cm and weighs 8-10 grams from the Pandak Fish Seed Hall. Maintenance using an aquarium of 100 cm x 50 cm x 47 cm with a volume of 200 L of water was carried out at the Hatchery of Pandak Fish Seed Hall, Baturaden in January-March 2020. repetition. Treatment consisted of P0 (fish fed daily), P1 (fed 1 day fed 1 day), P2 (fed 1 day and fed 2 days) and P3 (fed 1 day and fed 3 days). Variables are Absolute Growth Rate, Specific Growth Rate, Feed Conversion Ratio (FCR) and bypass. The results showed that the absolute Growth Rate is significantly different with the highest average in the control of  $19.07 \pm 1.04$  grams. Specific growth rates showed significantly different results with the highest average occurring at P0 (fed daily) at  $2.75 \pm 1.04$ . Feed Conversion Ratio (FCR) shows significantly different results with the best result occurring at P2 which is  $0.61 \pm 0.05$ . Shortcuts show significantly different results with the highest average occurring at P1 which is  $77.20 \pm 3.83$ . Water quality includes an average DO of 6.84-7.48 mg / L, Temperature 26-29oC and pH 6-7.

**Keywords:** *Sultana tilapia, fasting, growth, Feed Coverture Ratio, survival rate.*

