

Intisari

PENGARUH PEMBERIAN VITAMIN E DALAM PAKAN INDUK LELE DUMBO (*Clarias sp.*) TERHADAP PRODUKSI TELUR

Penelitian ini bertujuan untuk mengetahui pengaruh pemberian vitamin E dalam pakan induk lele Dumbo terhadap produksi telurnya. Penelitian ini menggunakan Rancangan Acak Lengkap dengan empat perlakuan dan tiga ulangan. Perlakuan yang digunakan meliputi pemberian vitamin E pada pakan sebanyak P1: 0 mg/kg pakan; P2: 210 mg/kg pakan; P3: 240 mg/kg pakan; dan P4: 270 mg/kg pakan. Data yang diambil meliputi berat induk lele betina, berat gonad, fekunditas mutlak, fekunditas relatif, fertilisasi, dan diameter telur. Data fekunditas mutlak, fekunditas relatif, tingkat fertilisasi, dan diameter telur dianalisis menggunakan analisis sidik ragam, jika terdapat beda nyata antar perlakuan dilanjutkan dengan menggunakan uji lanjut DMRT (*Duncan Multiple Range Test*). Hasil penelitian menunjukkan bahwa tidak ada pengaruh nyata antar perlakuan pada fekunditas mutlak, fekunditas relatif, dan tingkat fertilisasi, tetapi memberikan pengaruh nyata terhadap diameter telur.

Kata kunci: diameter telur, fekunditas, fertilisasi, lele, vitamin E

Abstract

THE EFFECT OF VITAMIN E DIATERY IN THE FEEDING OF PARENTS DUMBO CATFISH (*Clarias sp.*) TO THE PRODUCTION OF EGGS

This research aims to determine the effect of vitamin E diatery in the feeding of Dumbo catfish broodstock on egg production. This research used a Completely Randomized Design with four treatments and three replications. The treatment used includes giving vitamin E to the feed as much as P1: 0 mg/kg feed; P2: 210 mg/kg feed; P3: 240 mg/kg feed; and P4: 270 mg/kg feed. Data taken included the weight of the female catfish, gonad weight, absolute fecundity, relative fecundity, fertilization, and egg diameter. Data on absolute fecundity, relative fecundity, fertilization rate and egg diameter were analyzed using analysis of variance, if there were significant differences between treatments, it was continued using the DMRT (Duncan Multiple Range Test) further test. The results showed that there was no real influence between treatments on absolute fecundity, relative fecundity and fertilization rate, but it had a real influence on egg diameter.

Keywords: catfish, egg diameter, fecundity, fertilization, vitamin E