



KAMPUS BERTAUHID

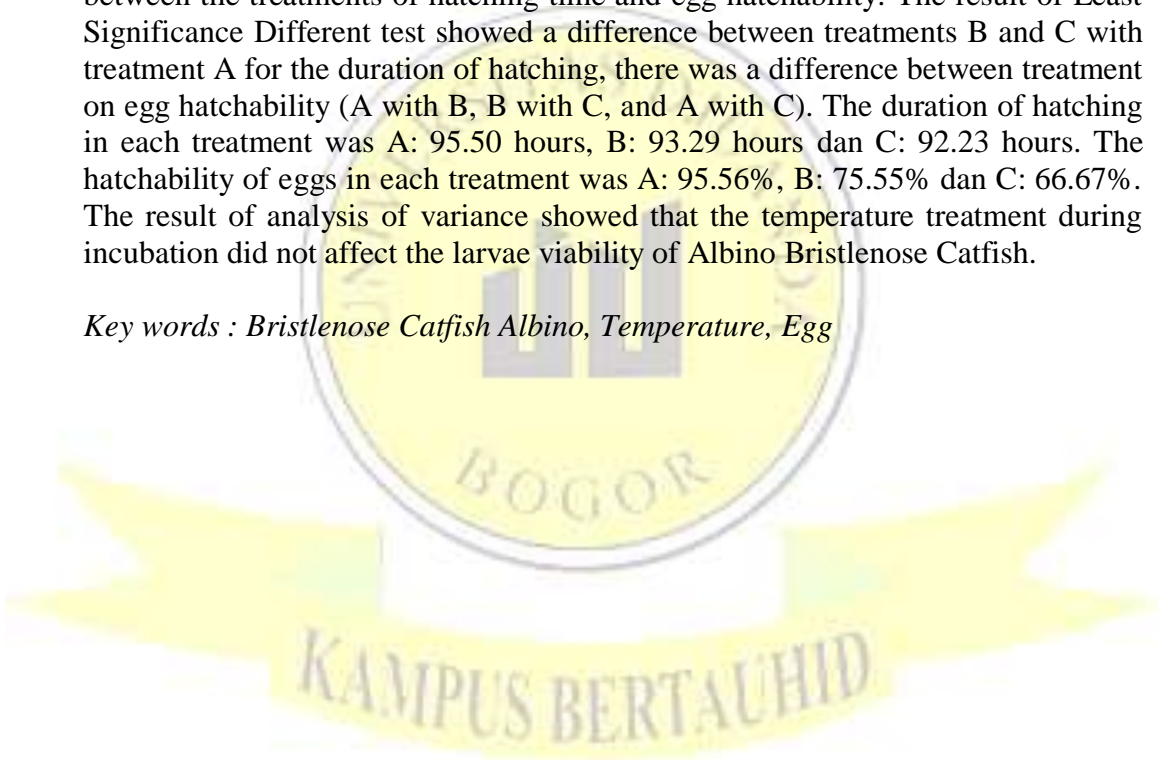
## ABSTRACT

**DINNA YULIANI. A.1710973.** The Effect of Different Temperature Treatments on Hatching Time, Egg Hatchability, and Survival Rate of Albino Bristlenose Catfish (*Ancistrus cirrhosus*) Larvae. Under Supervision of Fia Sri Mumpuni and Muarif.

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This study aims to determine the effect of egg incubation temperature on hatching time and the egg hatchability of Albino Bristlenose Catfish. Larvae survival rate was observed after exposure to temperature during incubation (water temperature 25-26°C). This study used Completely Randomized Design with 3 treatments and 3 replications. The treatments included A (room temperature of 25-26°C as a control), B (temperature of 28°C) and C (temperature of 31°C). After hatching, the temperature treatment used room temperature (water temperature 25-26°C). The result of analysis of variance showed that there was significant differences ( $P < 0.05$ ) between the treatments of hatching time and egg hatchability. The result of Least Significance Different test showed a difference between treatments B and C with treatment A for the duration of hatching, there was a difference between treatment on egg hatchability (A with B, B with C, and A with C). The duration of hatching in each treatment was A: 95.50 hours, B: 93.29 hours dan C: 92.23 hours. The hatchability of eggs in each treatment was A: 95.56%, B: 75.55% dan C: 66.67%. The result of analysis of variance showed that the temperature treatment during incubation did not affect the larvae viability of Albino Bristlenose Catfish.

*Key words : Bristlenose Catfish Albino, Temperature, Egg*



## ABSTRACT

**DINNA YULIANI. A.1710973.** Pengaruh Perlakuan Suhu Yang Berbeda terhadap Waktu Penetasan, Daya Tetas Telur dan Tingkat Kelangsungan Hidup Larva Ikan Brushmouth Albino (*Ancistrus Cirrhosus*). Di bawah bimbingan Fia Sri Mumpuni dan Muarif.

Penelitian ini bertujuan untuk mengetahui pengaruh suhu inkubasi telur terhadap waktu penetasan dan daya tetas telur ikan brushmouth albino. Kelangsungan hidup larva diamati pasca pemaparan suhu pada masa pengeraman (suhu air 25-26°C). Penelitian ini menggunakan Rancangan Acak Lengkap (RAL) dengan 3 perlakuan dan 3 ulangan. Perlakuan meliputi A (kontrol dengan suhu 25-26°C), B (suhu 28°C), dan C (suhu 31°C). Pasca penetasan, perlakuan suhu menggunakan suhu ruang (suhu air 25-26°C). Hasil analisis ragam memperlihatkan bahwa ada perbedaan yang nyata ( $P < 0,05$ ) di antara perlakuan terhadap lama penetasan dan daya tetas telur. Hasil uji BNT memperlihatkan adanya perbedaan antara perlakuan B dan C dengan perlakuan A terhadap lama penetasan, dan ada perbedaan antar perlakuan (A dengan B, B dengan C, dan A dengan C) terhadap daya tetas telur. Lama penetasan pada masing-masing perlakuan ialah A: 95,50 jam, B: 93,29 dan C: 92,23 jam. Daya tetas telur pada masing-masing perlakuan ialah A: 95,56%, B: 75,55% dan C: 66,67%. Hasil analisis ragam memperlihatkan perlakuan suhu pada masa pengeraman tidak mempengaruhi kelangsungan hidup larva ikan brushmouth albino.

Kata kunci : *Brushmouth Albino, Suhu, Telur*

