

**PENGARUH DEBIT OKSIGENASI TERHADAP
DAYA TETAS TELUR DAN SINTASAN LARVA
GURAMI (*Osphronemus goramy* Lac.)**

INTISARI

Penelitian ini bertujuan untuk mengetahui perlakuan debit oksigenasi terhadap daya tetas telur dan sintasan larva gurami (*Osphronemus goramy* Lac.). Penelitian dilaksanakan di Laboratorium Riset Departemen Perikanan Universitas Gadjah Mada, pada bulan September sampai bulan November 2020. Penetasan telur dan pemeliharaan larva dilakukan dalam media air dalam corong galon dan diberi perlakuan oksigenasi dengan debit 0, 50, 100, 150, 200 ml/menit, masing-masing perlakuan memiliki tiga ulangan. Penelitian dimulai dari penebaran telur sebanyak 100 butir tiap corong galon, penetasan telur selama 2 hari, dan pemeliharaan larva selama 50 hari. Hasil penelitian menunjukkan bahwa perlakuan oksigenasi dengan debit 0, 50, 100, 150 dan 200 ml/menit selama 2 hari menghasilkan daya tetas telur gurami (*Osphronemus goramy* Lac.) secara berurutan sebanyak 59, 71, 77, 80, dan 66 %. Daya tetas telur gurami tertinggi sebesar 80 %, yaitu pada perlakuan oksigenasi dengan debit 150 ml/menit selama 2 hari. Perlakuan oksigenasi dengan debit 0, 50, 100, 150 dan 200 ml/menit selama 50 hari menghasilkan sintasan larva gurami (*Osphronemus goramy* Lac.) secara berurutan sebanyak 83, 92, 89, 84, dan 72 %. Sintasan larva gurami tertinggi sebesar 92 %, yaitu pada perlakuan oksigenasi dengan debit 50 ml/menit selama 50 hari.

Kata kunci: corong galon, daya tetas, gurami, oksigenasi, sintasan

**THE EFFECT OF OXYGENATION FLOW RATE TO
EGG HATCHING RATE AND LARVAE SURVIVAL RATE OF
GIANT GOURAMY (*Osphronemus goramy* Lac.)**

ABSTRACT

This study aimed to determine the effect of oxygenation discharge treatment on eggs hatching rate and survival rate of giant gouramy larvae (*Osphronemus goramy* Lac.). The study were conducted at Research Laboratory Department of Fisheries Gadjah Mada University, from September to November 2020. Eggs hatching rate for 2 days and larvae cultivation for 50 days were held in water media. The water media of the gallon were treated by oxygenation debit of 0, 50, 100, 150 and 200 ml/min with each treatment given an aeration debit of 1250 ml/minutes. Each water media of the gallon was stocked by 100 eggs. The results showed that the oxygenation debit treatments of 0, 50, 100, 150 and 200 ml/min for 2 days produced eggs hatching rate of gouramy (*Osphronemus goramy* Lac.) 59, 71, 77, 80, and 66 %, respectively. The highest hatching rate of giant gouramy eggs was 80 %, which was treated by 150 ml/min oxygenation debit for 2 days. The oxygenation debit of 0, 50, 100, 150 and 200 ml/min for 50 days produced the survival of giant gouramy (*Osphronemus goramy* Lac.) larvae of 83, 92, 89, 84, and 72 %, respectively. The highest survival rate of giant gouramy larvae was 92 %, which was treated by 50 ml/min for 50 days.

Keywords: funnel gallon, hatching rate, giant gouramy, oxygenation, survival rate