

Intisari

PENGARUH KEPADATAN TERHADAP SINTASAN PADA PENGANGKUTAN SISTEM TERTUTUP BENIH GURAMI (*Osphronemus goramy Lac.*)

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Penelitian ini dilakukan untuk mengetahui pengaruh kepadatan benih gurami terhadap sintasan dalam pengangkutan tertutup. Penelitian ini menggunakan Rancangan Acak Lengkap (RAL) yang terdiri dari 4 perlakuan kepadatan benih gurami dengan masing-masing 3 kali ulangan. Kepadatan pengangkutan benih gurami meliputi 42, 62, 82, dan 102 ekor/liter. Benih gurami yang digunakan mempunyai ukuran berat 0,8 g dan panjang 4 cm. Pengangkutan benih gurami dilakukan selama 12 jam. Hasil penelitian menunjukkan bahwa pengangkutan benih gurami dengan kepadatan 42-102 ekor/liter tidak berpengaruh pada sintasan benih gurami dalam pengangkutan tertutup selama 12 jam. Pada rekondisi benih gurami selama 7 hari menunjukkan hasil bahwa pada perlakuan kepadatan 62 ekor/l memiliki sintasan tertinggi yaitu 95 % dan perlakuan kepadatan 102 ekor/l memiliki nilai terendah yaitu 88 %.

Kata kunci : gurami, pengangkutan, kepadatan, sintasan, sistem tertutup.

Abstract

*THE EFFECT OF DENSITY TO SURVIVAL RATE
IN CLOSED SYSTEM TRANSPORTATION
OF GIANT GOURAMY SEEDS (*Osphronemus goramy* Lac.)*

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This study aimed to determine the effect of density in closed system transportation to the survival of giant gouramy seeds. This study used a Completely Randomized Design (RAL) that consist of 4 treatment of giant gouramy seed density with 3 replications. The seed density in closed system transportation consisted of 42 seeds/liter, 62 seeds/liter, 82 seeds/liter, dan 102 seeds/liter. Activities for transporting giant gouramy seeds for 12 hours. The gouramy seeds used have a weight of 0.8 g and a length of 4 cm. The results this research showed that the transporting of giant gouramy seeds with weight of 0.8 g with a density of 42-102 seeds/liter does not affect the giant gouramy seeds survival rate in closed system transportation for 12 hours. On recondition of gouramy seeds for 7 days shows that on treatment of density 62 seeds/liter has highest survival rate: 95 % and treatment of density 102 seeds/liter has the lowest survival rate: 88 %.

Keywords: giant gouramy, transportation, density, survival rate, closed system.