

INTISARI

PENGARUH SUHU AIR TERHADAP SINTASAN DAN PERTUMBUHAN BENIH GURAMI (*Osphronemus goramy* Lac. 1801) STRAIN SAGO UMUR 14-70 HARI

Penelitian ini bertujuan untuk mengetahui pertumbuhan dan sintasan benih gurami strain sago (*Osphronemus goramy* Lac. 1801) umur 14-70 hari pada perlakuan suhu berbeda. Metode penelitian yang dilakukan adalah metode percobaan dengan rancangan acak lengkap yang terdiri dari empat perlakuan dan dua ulangan. Perlakuan yang digunakan yaitu benih ikan dipelihara pada suhu 26°C, 28°C, 30°C, dan 32°C. Penelitian ini dilaksanakan pada bulan Februari-Maret 2021 di Laboratorium Genetika Departemen Perikanan, Fakultas Pertanian, Universitas Gadjah Mada. Ikan uji yang digunakan adalah benih gurami strain sago berumur 14 hari. Benih gurami dipelihara selama 56 hari menggunakan akuarium berukuran 80 x 60 x 60 cm dengan volume air 100 liter. Parameter yang diamati meliputi pertumbuhan berat mutlak, pertumbuhan panjang mutlak, pertumbuhan berat spesifik, pertumbuhan panjang spesifik, sintasan, dan kualitas air. Data yang diperoleh dianalisis dengan (ANOVA) menggunakan selang kepercayaan 95%. Hasil penelitian menunjukkan tidak berbeda nyata pada pertumbuhan panjang mutlak dan pertumbuhan panjang spesifik, namun terdapat beda nyata pada pertumbuhan berat mutlak, pertumbuhan berat spesifik, dan sintasan.

Kata kunci : gurami, pertumbuhan, sago, sintasan, suhu

ABSTRACT

THE EFFECT OF WATER TEMPERATURE DIFFERENCES ON SURVIVAL RATE AND GROWTH OF GIANT GORAMY FRY (*Osphronemus goramy* Lac. 1801) SAGO STRAIN AT THE AGE 14-70 DAYS

This study aimed to determine the growth and survival of giant goramy (*Osphronemus goramy* Lac. 1801) sago strain of goramy seeds aged 14-70 days at different temperature treatments. The research method used is an experimental method with a completely randomized design consisting of four treatments and two replications. The treatments used were 26°C, 28°C, 30°C, and 32°C. This research was conducted in February-March 2021 at the Genetic Laboratory of the Department of Fisheries, Faculty of Agriculture, Gadjah Mada University. The test fish used were fry sago goramy aged 14 days. Goramy fry were reared for 56 days using an aquarium measuring 80 x 60 x 60 cm with a water volume of 100 liters. Parameters observed included absolute weight growth, absolute length growth, specific weight growth, specific length growth, survival, and water quality. The data obtained were analyzed by (ANOVA) using a 95% confidence interval. The results showed that there was no significant difference in absolute length growth and specific length growth, but there were significant differences in absolute weight growth, specific weight growth, and survival.

Key words : goramy, growth, sago, survival, temperature.