# Intisari

Penelitian ini dilakukan untuk mengetahui pengaruh lama perendaman suhu rendah terhadap sintasan *elver* pada simulasi pengangkutan sistem tertutup. Penelitian dilakukan menggunakan Rancangan Acak Lengkap (RAL) yang terdiri dari 4 perlakuan dengan 3 kali ulangan. Perlakuan dengan lama perendaman pada air 10 $^{o}$C meliputi kontrol atau tanpa perendaman, perendaman 1 menit, 3 menit, dan 5 menit. *Elver* yang digunakan untuk penelitian berasal dari PT. Iroha Sidat Indonesia dengan rerata (panjang 17,6 cm dan berat 12,9 gram). Simulasi pengangkutan dilakukan dengan pengangkutan tertutup menggunakan plastik ukuran 5 liter. Dalam plastik berisi 20 ekor *elver*, 86,6 ml air, dan ± 3,75 l oksigen. Hasil penelitian menunjukkan bahwa lama perendaman tidak berpengaruh terhadap sintasan *elver* selama pengangkutan dan waktu rekondisi. Sintasan menunjukkan kisaran antara 98.80952 % - 100%.

Kata kunci : *Elver*, Suhu rendah, rendaman, pengangkutan, sintasan, sistem tertutup.

## *Abstract*

This study aimed to determine the effect of immersion time on low temperature to the survival of elver on closed system transportation simulation. The study was conducted using completely randomized design, consisted of 4 treatments and 3 replications. A 10$^{o}$C water immersion treatment were conducted in 4 interval time including control or without immersion, immersion 1 minute, 3 minutes and 5 minutes. Elver used in the study came from PT. Iroha Sidat Indonesia (length 17,55 cm and weight 12,97 gr). Transportation simulation were carried out with closed system using 5 liter sized plastic. Each plastic contained 20 elver, 86,6 ml water and ±3,75 l oxygen. The result showed that immersion time had no effect to the survival of elver during transportation and reconditioning time. The survival showed 98,80952%-100%.

Keywords: Elver, low temperature, immersion, transport, survival, closed system.

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