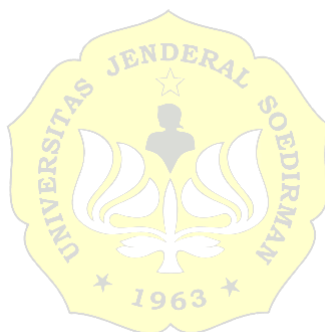


ABSTRAK

Pakan merupakan faktor penting dalam mendukung performa pertumbuhan, kelangsungan hidup, dan kualitas warna ikan hias. *Tubifex* sp. merupakan pakan alami dengan kandungan protein tinggi ($\pm 55\text{--}60\%$) dan karotenoid yang berperan dalam meningkatkan pertumbuhan dan kecerahan warna ikan. Penelitian ini bertujuan untuk mengevaluasi pengaruh frekuensi pemberian *Tubifex* sp. terhadap performa pertumbuhan, kelangsungan hidup, dan warna ikan komet (*Carassius auratus*). Rancangan penelitian menggunakan RAL dengan tiga perlakuan dan tiga ulangan, yaitu frekuensi pemberian pakan dua kali (P1), tiga kali (P2), dan empat kali (P3) secara ad satiation. Hasil penelitian menunjukkan bahwa perlakuan P3 (empat kali pemberian pakan) memberikan hasil terbaik dengan pertumbuhan panjang dan berat masing-masing 1,13 cm dan 1,03 g, laju pertumbuhan spesifik 2,09%, kelangsungan hidup 93,33%, serta kecerahan warna tertinggi 18,66° Hue. Temuan ini menunjukkan bahwa peningkatan frekuensi pemberian *Tubifex* sp. mampu mengoptimalkan performa dan kelangsungan hidup ikan komet.

Kata kunci: *Tubifex* sp., frekuensi pakan, ikan komet, pertumbuhan, warna.



ABSTRACT

Feed is an essential factor in supporting growth performance, survival, and color quality of ornamental fish. *Tubifex* sp. is a natural feed with a high protein content (± 55 –60%) and carotenoids that play a role in enhancing growth and color brightness in fish. This study aimed to evaluate the effect of different feeding frequencies of *Tubifex* sp. on the growth performance, survival, and color of comet fish (*Carassius auratus*). The experiment was arranged in a completely randomized design (CRD) with three treatments and three replications, namely feeding frequency of twice daily (P1), three times daily (P2), and four times daily (P3) applied ad satiation. The results showed that P3 (four times feeding) produced the best performance with length and weight growth of 1.13 cm and 1.03 g, a specific growth rate of 2.09%, survival rate of 93.33%, and the highest color brightness of 18.66° Hue. These findings indicate that increasing the feeding frequency of *Tubifex* sp. can optimize the performance and survival of comet fish.

Keywords: *Tubifex* sp., feeding frequency, comet fish, growth, coloration.

