ABSTRAK

Lele Dumbo diketahui memiliki variasi pertumbuhan yang tinggi. Penelitian ini bertujuan untuk mengetahui keterkaitan variasi laju pertumbuhan Lele Dumbo (*Clarias gariepinus)* dengan karakteristik morfoanatomi meliputi faktor kondisi (FK), indeks viscerosomatik (IVS), dan indeks hepatosomatik (IHS). Penelitian dilakukan secara observatif dengan sampel Lele Dumbo ukuran konsumsi yang diperoleh dari pembudidaya di Purbalingga. Pengambilan sampel Lele Dumbo dilakukan sebanyak dua kali dengan interval waktu 10 hari. Setiap satu kali sampling Lele Dumbo diambil sebanyak 20 ekor secara purposive dengan berat ± 100 g. Data IVS dan IHS ditransformasi dengan Arscin. Selanjutnya data FK, IVS, dan IHS dianalisa secara statistik menggunakan uji T. Hasil dari penelitian rata-rata panjang total sampling pertama 25,98±0,55 cm dan berat rata-rata 101,15±3,81 g. Panjang total rata-rata sampling kedua 25,36±0,76 cm dan berat rata-rata 102,00±2,21g. FK rata-ratasa sampling pertama 1,00±0,03 dan sampling kedua 1,00±0,02 (P=0,753>0,05), tidak ada perbedaan sehingga variasi laju pertumbuhan tidak berkaitan dengan FK. Nilai IVS rata-rata sampling pertama 6,43±0,53% dan periode sampling kedua 7,15±0,94% (P=0,004<0,05), ada perbedaan sehingga variasi laju pertumbuhan berkaitan dengan IVS. Nilai IHS rata-rata periode sampling pertama 1,52±0,26% dan periode sampling kedua 1,58±0,23% (P=0,428<0,05), tidak ada perbedaan sehingga variasi laju pertumbuhan tidak berkaitan dengan IHS.

Kata Kunci: *Laju pertumbuhan, Lele Dumbo, karakteristik morfoanatomi.*

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ABSTRACT

Dumbo catfish is known to have a high variety of growth. This study aimed to determine relationship between variations in growth rate of Dumbo Catfish (*Clarias gariepinus)* with morphoanatomical characters which include condition factors, viscerosomatic index (IVS), and hepatosomatic index (IHS). This research was conducted by observation with sample Dumbo catfish consumption size, obtained from cultivators in Purbalingga. Dumbo catfish sampling was carried out twice with interval 10 days. Once sampling of Dumbo catfish is taken purposively 20 tails with weight of ± 100g. IVS and IHS data were transformed with Arscin. Furthermore, FK, IVS, and IHS data were statistically analyzed using the T test. The results this study the average total length of the first sampling is 25.98±0.55cm and the average weight is 101.15±3.81g. The total length of the second Dumbo Catfish in the second sampling was 25.36± 0.76cm and the average weight was 102.00±2.21g. The average condition factor for the first sampling was 1.00±0.03 and the second sampling was 1.00±0.02 (P= 0.753>0.05), there was no difference so that the variation in growth rate was not related to FK. The average IVS value of the first sampling was 6.43±0.53% and the second sampling was 7.15±0.94% (P=0.004<0.05), there was difference in variation so that the growth rate was related to IVS. The average IHS value for the first sampling was 1.52±0.26% and the second sampling was 1.58±0.23% (P=0.428<0.05), there was no difference in variation so that the growth rate was not related to IHS.

Key words**:** *Growth rate, Dumbo catfish, morphoanatomical characteristics*