

Intisari

Penelitian ini bertujuan untuk mengetahui hubungan panjang-berat dan faktor kondisi ikan tongkol (*Euthynnus affinis*) di PPP Sadeng, Kabupaten Gunungkidul. Pengambilan sampel ikan tongkol dilakukan dengan membeli hasil tangkapan nelayan yang didaratkan di PPP Sadeng. Pengambilan sampel tongkol dilakukan dua kali setiap bulannya dari bulan November 2015 sampai dengan April 2016. Semua ikan tongkol yang telah dibeli lalu dikumpulkan kemudian diukur panjang total dan berat individu. Data yang diperoleh dianalisis secara deskriptif berupa histogram, tabel atau gambar. Analisis hasil pengamatan meliputi distribusi panjang dan berat, hubungan panjang-berat, faktor kondisi serta proporsi nilai faktor kondisi. Ikan hasil penelitian diperoleh sampel tongkol sebanyak 379 ekor yang terdiri atas betina 159 ekor dan jantan 220 ekor. Panjang tongkol betina tersebar pada kisaran antara 20-35 cm dan berat berkisar antara 70-360 g. Pada tongkol jantan, panjang tersebar pada kisaran 18-36 cm dan berat berkisar dari 60-400 g. Nilai b pada hubungan panjang-berat tongkol betina dan jantan menunjukkan pertumbuhan allometrik positif ($b > 3$). Faktor kondisi tongkol betina berkisar antara 0,656–1,283 dengan rerata 1,008 dan faktor kondisi ikan jantan berkisar antara 0,693–1,470 dengan rerata 1,012. Sebagian besar ikan tongkol betina dan jantan memiliki kondisi yang baik.

Kata kunci: *Euthynnus affinis*, hubungan panjang-berat, faktor kondisi, PPP Sadeng

Abstract

The aim of this research were to know the length weight relationship and condition factor of eastern little tuna (*Euthynnus affinis*) landed at Sadeng fishing port, Gunungkidul regency. Fish samples were collected from fishermen twice a month from November 2015 to April 2016. All fish samples were measured their total length and weight individually. The data were analyzed descriptively as graph and tables. Analysis of data was namely the length and weight distribution, length-weight relationship, condition factor and value proportion condition factor. There were 379 individual fish comprising of 159 females and 220 males. The length of female eastern little tuna were varied between 20-35 cm and weight ranged from 70-330 g. The male fish was range of 18-36 cm and the weight ranged from 60-400 g. The length-weight relationship showed the value of b that male and the female eastern little tuna allometric positive ($b > 3$). The condition factor for female ranged from 0,656 to 1,283 with average of 1,008 and male ranged from 0,693 to 1,470 with average of 1,012. Most of the female and the male eastern little tuna have a good condition.

Key words : *Euthynnus affinis*, length weight relationship, condition factor, Sadeng