

ABSTRAK

Ikan layang merupakan jenis ikan pelagis kecil yang memiliki nilai ekonomis. Pemanfaatan sumberdaya ikan secara terus menerus tanpa dibatasi penangkapannya dapat mengancam kelestarian sumberdaya. Tujuan penelitian ini adalah menganalisis struktur populasi ikan layang meliputi struktur ukuran, ukuran pertama kali tertangkap, ukuran pertama kali matang gonad, Tingkat kematangan gonad, rasio kelamin, dan kohort. Hasil distribusi ukuran ikan layang jantan kisaran 17-30 cm tertinggi dibulan Agustus dan betina 15-28 cm tertinggi dibulan Juni. Ukuran pertama kali tertangkap ikan layang jantan 26 cm dan betina 26,34 lebih besar dari ukuran pertama kali matang gonad ikan layang jantan 25,41 cm betina 24,87 cm ($L_c > L_m$). Tingkat Kematangan Gonad (TKG) pada bulan Juni-Juli didominasi oleh TKG II pada ikan jantan dan betina, dan bulan Agustus-September ikan layang jantan dan betina didominasi oleh TKG III dan IV. Rasio kelamin berbeda nyata sehingga dikatakan tidak seimbang dengan rasio 1 : 1,005. Kohort ikan layang jantan dan betina terdapat 1 kohort pada bulan Juni-September.

Kata kunci : *Ikan layang, PPN Pekalongan, Struktur populasi.*



ABSTRACT

The Shortfin scads is a type of small pelagic fish that has economic value. Continuous utilization of fish resources without limiting its capture can threaten the sustainability of resources. The purpose of this study was to analyze the population structure of Shortfin scads including size structure, size first caught, size first mature gonads, gonad maturity level, sex ratio, and cohort. The results of the size distribution of male Shortfin scads ranged from 17-30 cm highest in August and females 15-28 cm highest in June. The size first caught of male Shortfin scads was 26 cm and females 26.34 larger than the size first mature gonads of male Shortfin scads 25.41 cm and females 24.87 cm ($L_c > L_m$). The Gonad Maturity Level (TKG) in June-July was dominated by TKG II in male and female fish, and in August-September male and female Shortfin scads were dominated by TKG III and IV. The sex ratio was significantly different so it was said to be unbalanced with a ratio of 1: 1.005. There is 1 cohort of male and female flying fish in June-September.

Keywords: *Population structure, PPN Pekalongan, Shortfin scad*

