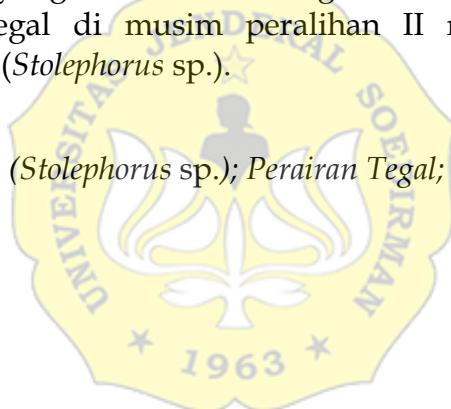


## ABSTRAK

Pertumbuhan Ikan Teri (*Stolephorus* sp.) di Perairan Tegal dipengaruhi oleh fluktuasi kualitas air yang diakibatkan perubahan musim salah satunya pada saat musim peralihan II. Tujuan penelitian untuk mengetahui sebaran ukuran, pertumbuhan, hubungan panjang-berat dan pola pertumbuhan Ikan Teri (*Stolephorus* sp.) serta faktor lingkungan di Perairan Tegal. Metode dalam penelitian ini menggunakan metode observasi yang dilakukan pada bulan September, Oktober dan Desember tahun 2021. Materi yang diperlukan adalah Ikan Teri (*Stolephorus* sp.). Data yang digunakan antara lain data panjang dan berat, pertumbuhan, dan faktor kondisi dan analisis data menggunakan analisis deskriptif dan statistik. Hasil penelitian menunjukkan bahwa Ikan Teri (*Stolephorus* sp.) di Perairan Tegal memiliki interval panjang 46,2 – 83 mm dan berat 0,6683 – 3,6049 g. Pertumbuhannya cepat dengan persamaan Von Bertalanffy  $L_t = 74,4(1-e^{-1,59(t-0,3499)})$ . Hubungan antara panjang dan berat sangat kuat ( $r = 92,97\%$ ) dan pola pertumbuhannya allometrik negatif ( $b = 2,95$ ). Faktor kondisi di Perairan Tegal dalam kondisi baik ( $K_n = 1,006$ ) namun Ikan Teri (*Stolephorus* sp.) yang ditemukan tidak gemuk. Hasil ini menjelaskan bahwa kondisi Perairan Tegal di musim peralihan II masih mendukung untuk kehidupan Ikan Teri (*Stolephorus* sp.).

Kata Kunci : Ikan Teri (*Stolephorus* sp.); Perairan Tegal; Pertumbuhan; Faktor Kondisi



## ABSTRACT

The anchovy (*Stolephorus* sp.) growth in Tegal waters was influenced by the fluctuation of water quality caused by seasonal changes, one of which is during the second transitional season. The purpose of this research was to investigate the distribution of size, growth, length-weight relationship and growth pattern of anchovy (*Stolephorus* sp.) as well as environmental factors in Tegal waters. The method used is the observation method conducted in September, October and December 2021. The material required is anchovy (*Stolephorus* sp.). The data used were length and weight of the fish, growth, and condition factors of Tegal waters. The descriptive and statistical analysis was used in this research to analyzed the data. The results show that the anchovy (*Stolephorus* sp.) in Tegal waters has interval length 46.2 – 83 mm and weight 0.6683 – 3.6049 g. After analyzed using the equation Von Bertalanffy  $L_t = 74.4(1-e^{1.59(t-0.3499)})$  was found the fish had fast growth rate. The relationship between length and weight were very strong ( $r = 92,97\%$ ) and the growth pattern was allometric negative ( $b = 2,95$ ). Condition factors in Tegal waters were in good condition ( $Kn = 1,006$ ), but the anchovy (*Stolephorus* sp.) that was found were thin. These results explain that the condition of Tegal waters in second transitional season was suitable for the life of anchovy (*Stolephorus* sp.).

Keywords : Anchovy (*Stolephorus* sp.); Tegal Waters; Growth; Condition Factors

