



LENGTH-WEIGHT RELATIONSHIPS OF THE 3 TETRAODONTIDAE (*LAGOCEPHALUS SCELERATUS*, *LAGOCEPHALUS SPADICEUS*, *LAGOCEPHALUS SUEZENSIS*) IN THE ANTALYA BAY

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Abstract

In this study, the length (L) - weight (W) relationships of the 3 Tetraodontidae (*Lagocephalus sceleratus*, *Lagocephalus spadiceus*, *Lagocephalus suezensis*) in the Antalya Bay were determined. The fish samples were obtained between 2008 and 2011 by gillnet, trammel net, trawl and fishing line. Total length and weight (W) of each individual were recorded with an accuracy 0.01 cm and 0.01 g, respectively. During the sampling period, a total number of 1225 individuals belonging to 3 species were collected and measured. The data used in the length-weight parameters is summarized below table.

Species	N	Length (cm)		Weight (g)	
		Mean±SE	Min-Max	Mean±SE	Min-Max
<i>L. sceleratus</i>	997	30.9 ± 14.3	12.5 - 68	573.2 ± 690	14.6 - 3678
<i>L. suezensis</i>	150	16.1 ± 2.9	11.5 - 26.8	58.3 ± 44.7	18.7 - 287
<i>L. spadiceus</i>	78	28.6 ± 8.4	16.3 - 45	467.3 ± 371.8	67.7 - 1429

The minimum and the maximum “b” values of the length-weight relationship among these 3 species were estimated as 2.7868 (for *L. spadiceus*) and 2.9814 (for *L. sceleratus*), respectively. Growth was found negative allometrik for all species.

Keywords: Length-weight relationship, *L. sceleratus*, *L. suezensis*, *L. spadiceus*