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The Growth Features of Tench (*Tinca tinca* L., 1758) in the Kesikköprü Dam Lake

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Abstract: In this study, the growth properties of tench (*Tinca tinca* L., 1758) in the Kesikköprü Dam Lake between April 1995 and March 1996 were studied. In the specimens examined, ages ranged from I-VI in both sexes. The population was 51.43% female and 48.57% male. The fork length and weight in ranged from 16.1 to 41.4 cm and from 85 to 1350 g, respectively, and in males from 15.8 to 40.3 cm and from 83 to 1127 g, respectively. Age-length and age-weight relations were calculated according to the von Bertalanffy growth equation. The following values were obtained for females and males, respectively. The condition factor of *T. tinca* was 1.99 for females, 1.92 for males and 1.95 for both sexes combined. $L_t = 41.76 (1 - e^{-0.2510 (t + 0.9830) })$ $L_t = 36.97 (1 - e^{-0.3767 (t + 0.3803) })$ $W_t = 1397.47 (1 - e^{-0.2510 (t + 0.9830) })^3$ $W_t = 957.91 (1 - e^{-0.3767 (t + 0.3803) })^3$ 0.0358 The following logarithmic equations for length-weight relations were found for females and males, respectively. $\log W = - 3.9315 + 3.2470 \log L$ $\log W = - 2.2294 + 3.0358 \log L$

Key Words: Tench, *Tinca tinca*, Growth, Kesikköprü Dam Lake

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