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## Growth Characteristic and Condition Factor Of Red Tilapia (*Oreochromis.sp*) Reared In Jijel Farms, Algeria

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### Abstract

The present study describes characteristics of growth and condition factor of Red Tilapia reared in the Jijel fish farm, in Algeria. This study was carried out from September 2022 to Juin 2023, the Total lengths measured was ranged from 15cm to 23cm while total weight varying from 38 g to 120g , the relationship was calculated using the equation  $P = a.LF^b$  and the condition factor using the equation  $K = (100 P/LF)$ . The value of the allometry coefficient was 1.6. These allometry coefficients was significantly different from the standard value of 3 ( $p < 0.05$ ), reflecting a minor allometry in red tilapia species, this is mean that fish grows faster than it gets fatter. Also, the correlation coefficient of 0.70 indicates a strong correlation between the weight and the size of the fish. Additionally, The condition factor varies from 0.38 to 0.48 in males and from 0.42 to 0.72 in females. These results provide a database on the length-weight relationship and condition coefficient of the red tilapia species in Jijel fish farm.

**Key Words:** Length-weight, K-factor, Allometry growth, Red tilapia

