Estimation of ornamental and reef fishes standing biomass in the Persian Gulf (Lark Island)

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Abstract
Ornamental and reef fishes are studied by Underwater Visual Census (U.V.C) method and 48 species which belong to 25 families were identified, also the Pomacentridae family identified the highest number of species with 6 species, in the period of 21Mar. 2017 to 20Mar.2018 in Lark Island. The standing biomass of ornamental and reef fishes is estimated 2522.18, 5222.17 and 1325.15(Kg.) in St_1, $St_2$and St_3respectively that is located in 5-15meters depth, also is concluded 884.13kg. For St_4 in 43 m.(Mesophotic Coral Ecosystems).This study is the first report on the standing biomass of ornamental and reef fishes in coral reef ecosystem and Mesophotic Coral Ecosystems (MCEs) in the Persian Gulf.

Keywords: Standing biomass, Ornametal and reeffishes, Mesophotic Coral Ecosystems, Larak Islan, Persian Gulf.