

**AN INVESTIGATION OF “IKEN” BRUSH PARK FISH
AGGREGATING DEVICE IN IWOPIN LAGOON, OGUN
STATE, NIGERIA**

W.O. ABDUL AND I.T. OMONIYI

Department of Aquaculture and Fisheries Management,
University of Agriculture, Abeokuta, Nigeria.

ABSTRACT

A biological investigation was carried out on “Iken” brush park fishing practice in Iwopin lagoon, Ogun State, Nigeria. The practice was found to offer a fish yield of 0.48 tonne/ha/fishing in which *Sarotherodon melanotheron* dominated the fishery (33.4%). Ecologically, the practice was found to increase the productivity of the biotope. Indication from length-weight relationship showed that the ponderal index of the fish, b , ranged between 2.432 and 3.217 in *Synodontis sp* and *Tilapia zilli* with a mean value of 2.973 ± 0.059 . This was not significantly different from 3 ($p > 0.05$) implying that the growth was isometric. Meanwhile, only 39.1% of the sizeable fish aggregated by the device were targeted by the fishermen. This showed that “Iken” brush park offered a selective fishing.

Keywords: Brush parks, “Iken” ponderal index, physiographic features.