ASSESSMENT ON SELECTIVITY OF SQUARE MESH CODENDS FOR THE LIZARDFISH IN COASTAL SHRIMPS TRAWL NET FISHERIES

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Summary

In 2016, the project was carried out to study at the sea with 480 hauls for 06 types of square mesh codend in the coastal areas of Thanh Hoa and Kien Giang provinces. The results showed that, the catches in inner codend and codend covered were 9,649.7 kg and 2,506.0 kg respectively. The catches composition are the highest in economic value of the Penaeidae, accounted for 28.51%; Synodontidae accounted for 8.36%; Mullidae accounted for 3.43%; Nemipteridae accounted for 4.72% and Loliginidae were 1.42% of total catch. The escape percent followed by catches of the lizardfish are in the range from 14.4 - 16.1%, 20.8 - 21.2%, 49.0 - 58.2% and individuals are 26.2 - 27.4%, 36.2 - 39.5% and 60.7 - 65.6% in the square mesh codend a = 15.0 mm; a = 17.5 mm and a = 20.0 mm respectively. The escape rate of lizardfish followed by catches and individuals are significant difference from in the types of square mesh codend and the square mesh sizes are strongly affected factor. The escape number of lizardfish was smaller than the allowable length and Lm50 range from 74.4 to 89.9% the total individuals catch. The LMV2.2, LMV1.3, LMV2.3 square mesh codends for the selection range from 14.26 to 23.74 cm and the L50% is 16.76 cm; 19.33 cm and 20.81 cm which are larger than Lm50.

Keywords: Lizardfish, square mesh codend, coastal trawl net, trawl net selectivity.