

Indonesian fisheries research journal

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Abstrak

information on the total catch composition provides one of the basic aspects needed for the assessment of fish resource dynamic in relation to the management of the resource to obtain the optimum sustainable yield. fish net data analysed were obtained from 114 catcher boats that transhipped to the fish carriers from one fishing company based in Tual. these 2000 catch data were collected in 2002 through Observer Programme. mean catch per unit of effort (CPUE) of fish net during the period of 2000 was about 111.2 tonnes/catcher/year. by multiplying the total number of boat operating in the area with this CPUE, estimation of the total catch from this fishery can be calculated. about 52% of the catch were pelagic group and 41% were demersal group and the remaining 7% were cephalopod, shark, and rays, shrimp, and other crustaceans. the main demersal group is belonging to 24 families, which were dominated by the threadfin (Nemipteridae) and lizard fish (Synodontidae) with the respective amount of the 19,3% and 18,4% form the total catch rate of 47,49 tonnes. the pelagic group was dominated by the chub mackerel reaching to about 91% of the total catch rate. the group of cephalopod consisted of 46,6% squids and 45,3% cuttle fish. the group of elasmobranch was dominated by sharks while the shrimp group consisted mainly of small size shrimp