CATCHING EFFECIENCY OF TOP VALVE SQUID TRAP IN COASTAL WATERS IN TIPAN, GUTALAC ZAMBOANGA DEL NORTE

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ABSTRACT

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This study was conducted to determine the catching efficiency of top valve squid trap in comparison of the side valve squid trap which is the traditional design of Brgy. Tipan, Zamboangadel Norte. The shape of the gear is rectangular covered with bamboo plaits and tied with mono-nylon.

The duration of two months study with twenty-eight operations found out that side valve squid trap is efficient as the top valve squied trap with the CPUE valve of 0.0085kg-hrs./gear while 0.0040kg-hrs./gear for side valve squid trap.

Total catch of squid for both traps used in the study shows 12 individuals during new moon while 17 individuals in full moon where 37.93% caught by side valve and 62.07% caught by top valve squid trap. In terms of size, the side valve squid trap caught 36.6% small, 27.22% medium, and 36.36% large while the top valve squid trap caught 22.22% small, 5.56% medium and 72.22% large size.

Statistical analysis t-test for independent samples between side valve and top valve squid trap revealed that there is no significant difference with P valve of 0.056 with the probability of occurrence under the null hypothesis lesser than @ =0.05 level of significance.