

# **CORRELATION SEA SURFACE TEMPERATURE WITH TUNA PURSE SEINER CATCHES AT BANDA SEA**

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## **ABSTRACT**

Banda sea has three unique fisiohidrografi. The first is a semi-enclosed sea surrounded by lush coastal area, the second has ocean trenches and the third mixing water of Pacific and Indian Oceans. Tuna purse seiner in Banda sea operate throughout the year the catch is likely not reported correctly so that the level of selectivity and exploitation that occurs is not yet known with certainty. The research conduct by direct observation on fishing port at Kendari and fishing vessels that operate purse tuna around FAD (fish aggregating device). The objective of this study was to find out the relation of Sea Surface Temperature with purse seine catches. Study was conducted from February 2011 to September 2012 using survey methods and sea surface temperature use aqua modis satellite data. SST and purese seine catches relation determined by descriptive analysis to dominant SST and monthly catch graphic. The result of this study indicates relation SST with purse seine catches has significant relation. the advantage of sea surface temperature decreased was the increase of catch. Maximum catch in September 2012 with SST of 28.12°C.

Keywords : purse seine, banda sea, sea surface temperatur, catch