

PATTERN ANALYSIS FOR PREDICTED POTENTIAL FISHING GROUND DISTRIBUTION IN INDONESIAN SEAS

Dinarika Jatisworo and Ari Murdimanto*

*corresponding author

Institute for Marine Research and Observations (BPOL)

Jl. Baru Perancak, Negara, Jembrana, Bali

email: ari23murdimanto@gmail.com

Abstract

Map of Potential Fishing Ground Prediction or so called Peta Prakiraan Daerah Penangkapan Ikan (MPFGP / PPDPI) is a product from Ministry of Marine and Fisheries that has been established since 2002. This map was made by using environmental approach such as Sea Surface Temperature, Chlorophyll-a Concentration, and Sea Level Anomalies retrieved from the satellite imagery. This study aims to show the distribution of predicted potential fishing ground pattern based on PPDPI and its relation to oceanographical season. Location of predicted potential fishing ground from PPDPI 2010 to 2012 will be combined into a monthly information, then will be compared and analyzed using simple statistics to review its relation to oceanographical season.

Keywords: Predicted Potential Fishing Ground, PPDPI, Sea Surface Temperature, Chlorophyll-a Concentration, Sea Level Anomalies