

PENDUGAAN PERTUMBUHAN BERSIH STOK IKAN PELAGIS di LAUT JAWA dan SEKITARNYA

*(The Estimation of the Fish Stock's Net Growth in the Java Sea and
Its Surrounding Waters)*

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ABSTRACT

The development of the exploitation of small pelagic resources became offshore extending their fishing ground toward the eastern part of the Java Sea to the Makassar Strait related to dynamic of its fishery which represented through larger fish hold capacity, enlargement of the fishing areas, rapid changes of the fishing strategy. The results showed that the extension fishing ground and the change of fishing strategy have proportionally resulted to the increasing biomass of about 2 times higher than the prior period and the rate of number of population growth from 54.800 tons in the 1985 - 1990 to 69.900 tons in the 1991 - 2001. The period of 1985 - 1990 indicated that the levels of production had exceeded MSY. In the 1991 - 2001 periods, the production is still occurred at the left from MSY, but production a bit more than sustainable growth curve. The indication of the amount of fishing effort has fully exploited.

Keywords: net growths, stocks, pelagic fish, Java Sea

ABSTRAK

Eksploitasi perikanan pukat cincin terhadap populasi ikan pelagis kecil telah berkembang ke lepas pantai Laut Jawa hingga Selat Makassar sejalan dengan dinamika perikanan yang dicirikan oleh perubahan kapasitas palka, perluasan daerah dan perubahan strategi penangkapan. Hasil penelitian menunjukkan bahwa perluasan daerah penangkapan dan strategi penangkapan telah menghasilkan nilai biomasa yang berbeda. Pada periode 1985 - 1990, perkiraan nilai biomasa sebesar 120.000 ton dengan laju perumbuhan populasi

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