

## **PROSIDING**

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# **THE NUTRIENT AND STEROID CONTENT OF SOME DEEP SEA FISH SPECIES FROM WEST SUMATERA OCEAN**

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## **ABSTRACT**

The Purpose of this research is to observe the content of nutrient and steroid of some deep sea fish from west Sumarera ocean. The result of the research shows that 11 kinds of deep sea fish such as: *Dietmoides pauciradiatus*, *Benthodesmus tenuis*, *Beryx splendens*, *Haplathethus iraaipinus*/Xt *Hoplathethus* sp, *Ophidiidae*, *Osimobvium dotyge*, *Godamus collifit*. *Hyteragfye japonica* contain protein 23,0-24,8 %, fat 1,9-4,1 %. carbohydrate 0-1,75 %, ash 1,7-2,4 %, water 70.1-72,1 %. In amino acid test, it can be identified 17 amino acid (9 essential amino acid and 8 non essential amino acid) Meanwhile in steroid test using Libermann Burchard, it can be identified 8 kinds of deep sea fish containing steroid and the greatest concentration is in *Dietmoides pauciradiatus*, *Benthodesmus tenuis*, *Beryx splendens*, *Haplathethus iraaipinus*.

## **I. INTRODUCTION**

Based on the total prediction of Indonesian fishery ocean potential which is amount to 6.6 million tons/year, consist of 5 million ton in Indonesian ocean and 2.1 million tons in Zee ocean. The potential prediction comes from some kinds of ocean fish, such as the small pelagic fish 3.5 tons, coral fish 0.048 million tons/year (Anonymous 2000).

According to the potential estimation, production and utilization of pelagic fish in Indonesia in 2001, Malaka Street and Java Sea are in the state of over fishing (BRKP 2001) therefore it needs to look for new fishing ground area instead of area in coastal area and pelagic area. Part of ocean environment which is predicted as alternative area is deep sea area,

Deep sea area is located under shining depth area in the open ocean and deeper than continental shelf (>200m). The habitat is the widest pan in the world where seldom organisms live in; its water volume is predicted of amount up to 85% of 70% world surface (Nybakken 1992).

The seldom fishes however, are important food source and often looked for by some people in the markets. In Europe, deep sea fish (king lip) is marketed as eusk eel. In New Zealand called Hung, South America called Cangrio and in Japan called Kingu. This fish is marketed by retail and seldom appears in restaurant, because of the good quality and unique meat texture. Gold king lip, red and black