

## **Characteristics Squalene of Smallfin Gulper Shark (*Centrophorus moluccensis*) Livers from Aru Islands, Mollucas, Indonesia**

### **Abstract**

Smallfin gulper sharks (*Centrophorus moluccensis*) commercially exploited as food ingredient and contain high squalene in their livers. The purpose of this study was to determine the quality and composition of smallfin gulper shark liver oil compounds from the Aru Island waters, Mollucas, Indonesia. Smallfin gulper shark liver oil extraction uses a dry rendering method. The quality was analyzed based on the analysis procedure in SNI 01-2730-1992 regarding the quality standards of fish oil. Meanwhile, to find out the fatty acid content, an analysis was performed using GC-MS. The results showed that the quality of smallfin gulper shark liver oil generally met the quality standard with a yield of 83%, while the compounds composition was dominated by squalene compound of the remaining 95.10% in the form of palmitic acid,  $\alpha$ -linolenic acid, EPA and DHA.