

ABSTRACT

The large fishery resources of Buton Regency are supported by the number of long beaches which has the potential to have a significant influence on the fisheries sector. Based on data from the Marine and Fisheries Service in the province of Southeast Sulawesi shows that Buton District ranks third with a total production of 26,381 tons in 2017. This production from year to year shows that the percentage value continues to increase. Based on data the number of fishing gear used, handline occupies the top position with the number of fishing gear as many as 570 units. The right efficiency is needed to increase the amount of fishery production by using a handline.

This study aims to analyze the efficiency of the use of inputs from fishing efforts by using a handline the Regency of Buton. Besides that, it also analyzes productivity and revenue and expenditure from this fishing business. Sampling was carried out on 100 respondents with questionnaire and interview methods. The results of the data analysis use the Maximum Likelihood (MLE) method with the help of the production frontier program version 4.1c.

Estimation results show that all variables of production inputs with handline have a significant influence on production. The value of the efficiency price on this fishing gear is 2,988, indicating that this business is still inefficient in price so efforts should be made to increase the value of this efficiency, so that an increase in production can occur.

In order to increase income, fishermen need to do a careful calculation of the allocation inputs that will be used in catching efforts according to their needs. Even though this fishing effort with stretch handline can still be developed. The control function of the government is absolutely carried out such as limiting the number of fishing gear operating so as not to exceed the existing fish stocks.

Keywords: Fishing Rods, Production, Fisheries, Efficiency, Frontier