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ABSTRACT

Catfish become the commodity that is very popular fishery result in Indonesian society. Catfish is one of the fish consumed more community. This Commodity has very big prospect, both in terms of demand and selling price. In the development of aquaculture catfish farmers are facing problems of low productivity, the price of the product factors (seeds, labor, feed, and fertilizer) every year almost certainly rise and the prices will fluctuate and uncertainty price when they get great harvest.

The aims of this study are to analyze the allocation of production factors of farming catfish and to analyze the level of efficiency in the cultivation of catfish in Boyolali District. The sample that the writer used is as many as 71 respondents using the Cobb-Douglas production function, the calculation of the maximum profit and testing of technical efficiency, price efficiency, and economic efficiency.

Based on the research that has been done can be drawn a conclusion that the value of technical efficiency of 0.94 could be argued that the cultivation of catfish in the study area is inefficient technically so the input should be reduced. The price efficiency and economic efficiency are also inefficient. The variables in the cultivation of catfish that have a significant effect were the area and seed. While the variables are not significant in the cultivation of catfish are labor, feed, and fertilizer. It can be concluded that the Return to Scale (RTS) amounted to 1.01. The catfish farming carried on this study area is in the condition of Increasing Return to Scale (IRS). It can be said that this condition is feasible in developed or forwarded catfish farming.

Keywords: Efficient, Catfish, Aquaculture, Frontier.