ABSTRACT

Fish food is an important part in the cultivation and rearing of fish. The operational costs provide a portion of 70% of the total production cost of fish feed business, outside of it such as seeds, drugs, labor electricity, etc, as the rest. This figure illustrates that the importance of these operations in supporting the business processes of fish.

Therefore authors created a tool that can help fish farmers to be able to process all materials into pellets of fish by means of a practical, efficient, and economical as well of course. Thus the authors created a machine called “Fish Pellets Machine with Dryer” with the creation of this tool authors expected to help local farmers to be able to process fish pellets independently and can produce products that can compete in the international market. In this research will be discussed on machining process and the production process of fish pellets machine with dryer so as to create a machine that has the proper machining process analysis, computation time and cost efficient.

The results of calculation of machining process and production costs are the total cost of making the machine is Rp. 10,527,510 with a processing time of 35 hours. And the selling price is Rp. 12,680,261 this price is include tax and the expected profit.

Keywords: machining process, cost of production, pellets, fish, dryer