Analisis Kerusakan pada Mesin Tepung Ikan dengan Metode *Failure Mode and Effect Analysis* di PT. Sumber Mutiara Samudra Banyuwangi

(*Analysis of Damage to Fish Meal Machine with Failure Mode and Effect Analysis Method at* PT. Sumber Mutiara Samudra Banyuwangi)

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ABSTRACT

The process of making fish meal is basically by grinding to refine the raw materials. Fish meal is used for animal feed because of its high nutritional content. During the production process, it is also important to pay attention to the quality of the production machine. Production machines require maintenance to prevent possible breakdowns. The FMEA method is useful for analyzing and predicting the possibility of damage or problems to the machine. This research was conducted on 2 machines, namely a cooker and a grinder. The results of the FMEA calculation on the cooker machine obtained the highest RPN value of 100 on the type of broken ball bearing damage, on the grinding machine the highest RPN value of 60 was obtained on the type of broken grinding knife damage. Repair recommendations are given as an action to prevent damage.

Key Word : Flour, Fish, Machine, Breakdown, FMEA