

DESIGN AND DEVELOPMENT OF A TERASI MILLER WITH EXPENDITURE HOLE DIAMETER VARIATION

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ABSTRACT

The fisheries potential of the Republic of Indonesia won the AEC market (ASEAN Economic Community) and processed seafood products have won green tickets issued by the USA FDA so that several seafood processing industries penetrate the US and European markets. Panipahan Village, Pasir Limau Kapas District is a major fisherman. They take advantage of the catch in the form of rebon shrimp to be processed into shrimp paste. The management of shrimp paste that is carried out in a home industry still uses appropriate traditional tools which are still less effective and efficient in managing it. Therefore, it is necessary to make new innovations that develop appropriate technological tools for the management of shrimp paste in order to produce in large quantities and in a short time. variations in the diameter of the outlet. The data obtained from the test results, namely the visual test with the ratio of the mold holes to the production results of the milling process are entered into the table. Each difference in the output hole is directly proportional to the difference in the weight of the shrimp paste where the diameter of the 3 mm output hole shrinks in 8.49 minutes. 8.55 minutes and 9.11 minutes. The 4 mm output hole diameter shrank in 6.29 minutes, 6.40 minutes, and 7.21 minutes, and the 5 mm output hole diameter shrank in 6.9 minutes, 6.12 minutes and 7.11 minutes. The longer the drying time for the rebon shrimp, the thicker the shrinkage value of the shrimp weight, as well as the smaller the diameter of the dies will result in a high density value.

Key words: shrimp paste grinder, rebon shrimp, yield