

ABSTRACT

PT Bihun Tani is a firm which is focused in producing rice vermicelli or known as rice noodle. On a system part of packaging is often happened “stackings”, it is caused by the system of glueing which does not work very well. Glueing the rice noodle still uses a manual or traditional way by using the help of candles. Rice noodles, which are packaged every day, can reach 506 bales and the rice noodles, which are produced everyday can reach 800 bales per day. Glueing, which is implemented in a manual way will cause what we call “stackings”.

The analysis of work measurement is applied, to seek how much time for glueing the rice noodle between using a manual way or with the help of tools. Based on the obtained results, the time of glueing the rice noodle using the help of candles will take 12,22 seconds, while the time of glueing using the help of “Hand Sealer” tools can spend even more better, 5.58 seconds. Next, working on analysis of feasibility investment which consists of technical aspects, human resource aspect and financial aspects. From the view of technical aspect, from the calculation, which had been made before, that “Hand Sealer” tools must be invested at least 2 units.

In a aspect of Human Resource, with the same amount of labor as many as 6 people who use the results of packaging wax while 468 bales of packaging results using “ Hand Sealer” as much as 618 bales. In order packaging can be done with the maximum, the operator takes as many as 8 people 6 people in packaging and 2 people in glueing part by using the tools.

The last but not least, in a view of financial aspects the benefits arising from the use of sizing wax is IDR 599.183.640 , while the benefits to be gained when using “ Hand Sealer” of IDR 916.246.995. Investment feasibility of measuring instruments used is the calculation of NPV and Payback Period . NPV calculations are done there are 2 of the previous 5-year NPV calculation and NPV investment “Hand Sealer” . NPV 5 years earlier obtained values of IDR 7.984.738.558 and the payback period for 0.50 Year . While NPV investment tool Hand Sealer obtained value of IDR 8.961.286.056 and the payback period for Year 0.004 . On the whole aspect showed that by investing tool hand sealer feasible.

Keywords: Hand Sealer, Investment Cost, NPV, Payback Period