

# **Swing Arm Analysis on Sago Flour Sieve Machine Capacity 10Kg**

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## **ABSTRACT**

Increased demand for processed sago UD. Barokah has an impact on increasing the production of sago flour. Increased competitiveness among entrepreneurs causes many aspects to be needed to improve the production process. The manual process is one example of an aspect to be developed into an automatic one in order to increase competitiveness among entrepreneurs. In this case, this research is focused on sago sago sieving UD. Barokah Bengkalis Regency that uses machines. Manufacture of sago sieving machine to increase operator productivity. How much use this machine to increase the work productivity of the sago sifter operator. Based on the results of this study, the productivity of the sago sieving machine operator has increased compared to the manual method. The test is carried out with a calculation time of 5 minutes with a sago sifter machine with a capacity of 10kg sago flour. The sago sieving machine is expected to increase work productivity as well as time, economic and labor efficiency. In this study, the process of sifting the sago sieving machine with variations in the length of the swing arm 21cm, 19cm and 17cm. sieve yield (PL 21cm = 8.6 kg, PL 19 cm = 8.1 kg and PL 17 cm = 8.5 kg). As for the length of the swing arm, the best is found in the length of the swing arm of 21 cm.

Keywords: Sago Sieve Machine, mesh, Operator, Sago, Productivity, UD. Barokah.