

DESIGN OF SEMI AUTOMATIC DOUGH MIXER USING ROBIN MACHINE

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ABSTRACT

Design of a semi-automatic donut dough mixer using a robin machine using a 4 mm angle iron then 2 bearing holders as the pivot position so that the mixing machine is stable, equipped with a container and also a gearbox. robin machine the maximum time to produce a good dough takes 5.46 minutes with a dough weight of 1 kg, while a dough weight of 2 kg takes 6.46 minutes. Compared with manual mixing of dough weighing 2 kg, it takes 40 minutes. So the semi-automatic donut mixer using a robin machine is faster than the manual type. The efficiency obtained from the semi-automatic donut mixer using a robin machine is 50% while the manual type is 3%.

Keywords: Semi-automatic dough mixing machine, efficiency.