

MAKING A DOUGH DIVIDER TOOL TO MAKE BREAD USING AN ELECTRIC MOTOR

Student Name : Ade Rizal Putra
Student Number : 2103191120
Supervisor : Sunarto, S.Pd.,M.T

ABSTRACT

The amount of production of bread MSMEs every day is still being worked on using semi-automatic methods, some of which are done by hand and partly with result tools. The basic ingredients of bread (dough) from conventionally carried out work cause an even dissolution of sizes for each piece of bread. The dough dividing machine works by cutting the dough into several pieces of dough of the same size, the machine will divide the dough quickly, thus making bread production more effective and efficient. The cutting capacity of the dough is 50 - 60 grams. With an electric motor power of 1 HP, it is able to help divide the dough with several different weights, namely 1 kg, 1.5 kg, 2 kg, 2.5 kg, producing dough with a final weight of 38 grams, 44 grams, 52 grams and 61 grams. The time gain becomes the level of efficiency of this bread dough dividing tool with the fastest time found in the dough with a capacity of 1 kg which is 50 seconds and the longest time is found in dough weighing 5 kg with a time of 5 minutes 20 seconds. With a speed of 1400 rpm on the electric motor the dough splitting machine has a capacity of 60kg / h

Keyword: Dough splitting machine