MAKING ONION AND POTATO SHIPPING MACHINE USING ELECTRIC MOTOR

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ABSTRACT

The goal to be achieved is to be able to make a slicing machine so that it can answer the problem if the slicing is done in a larger capacity. This slicing machine is made to support the increase in the production of sliced onions and potatoes, which are ready to be fried for the production of onions and fries on a household scale. On a small scale, the work can be done manually with a knife or other simple cutting tools. Problems will arise if the production to be sliced or cut is available in large quantities. In order to facilitate the community in processing onions and potatoes in studying the existing problems, namely how to produce a slicing machine with uniform slices in a short time. The way the machine works is by rotating the blade using a 200 watt electric motor with a rotation of 466 rpm. Onion test results were obtained with the first test capacity of 50 gr with a time of 2 seconds, the second test of 100 gr with a time of 4 seconds, the third test of 150 gr with a time of 6 seconds, the fourth test of 200 gr with a time of 9 seconds. The potato test was obtained with the first capacity of 50 gr with a time of 4 seconds, the second test of 100 gr with a time of 5 seconds, the third test of 150 gr with a time of 6 seconds, the fourth test of 200 gr with a time of 7 seconds. A good slice is if the texture of the slices is not broken and the thickness is as desired.

***Keywords**: Slicing Machine, Electric Motor*