

PINEAPPLE ROLLED TART MACHINE

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ABSTRACT

This paper presents a semi-automatic, portable and low cost Pineapple Rolled Tart Machine. The productivity of man made rolled pineapple tart is very slow to meet market demand compare topped pineapple because it involves more complicated processes. This machine would improve processing time, operating cost and affordable for small scale industry (SSI). The machine was tested at screw rotating speeds from stepper motor as a system drive to carry both dough and jam with the help of easy driver and controller. As a portable and semi auto machine, dough and jam will incorporated into the hopper and barrel manually. It was found that the rolled tart produced machine was acceptable in texture. Estimated processing time is 10 seconds for 1 pieces rolled tart.

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CHAPTER 1

INTRODUCTION

1.1 BACKGROUND

Pineapples tarts are a sweet pastry in Malaysia and it particularly popular during the festive season. Pineapple tarts are especially in demand during the Chinese New Year's because the pineapple tarts signifies prosperity and giving luck for Chinese people [1]. The pineapple tarts is small, bite size pastries filled with rolled with or topped with pineapple jam and they are very popular in Malaysia, Singapore, Indonesia, and Brunei. The dough for making pineapple tarts consists of lots of butter which give a rich, buttery and tender and melt in mouth texture [2].



Fig.1. Pineapple Rolled Tart



Fig.2. Topped Tart