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## American Journal of Food Technology

Year: 2010 | Volume: 5 | Issue: $6 \mid$ Page No.: 385-393
DOI: 10.3923/ajft.2010.385.393
Design and Development of an Apparatus for Grating and Peeling Fruits and Vege M.K. Siti Mazlina, A.R. Nur Aliaa, H. Nor Hidayati, M.S. Intan Shaidatul Shima and Zuha

Abstract: Fruit grater and peeler are needed in the processing of fruits in order time required for fruits grating and peeling. Grating is important especially to mak for decoration purpose. A suitable grater is needed for specific decoration proces crucial for food (processing) industry to operate at minimal operating cost. Peelir hands is time consuming and may require several workers to perform the operatic may increase the operating cost. Therefore in this study, a machine was design $\epsilon$ the process of grating and peeling in one device. This new designed machine is s used domestically. The machine is small-sized and lightweight and is convenient store. It is comprised of a clamping mechanism, grater, peeling blade, movable ar pair of end-cutting blade. The prototype was tested for automatic grating and $p$ i process and manual peeling was also performed to peel the skin of selected fruit: vegetable. The prototype was able to grate several fruits and vegetables and al: the peeling time by $94 \%$ when compared to manual peeling.
[Abstract] [Fulltext PDF] [Fulltext HTML] [References] [View Citation] [Report

## How to cite this article:

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