

# Analysis of onion peeler machine using ansys simulation analysis

## Abstract

Onion is the important cooking ingredients in the world of a cook. The current method to peel an onion is by a traditional method. There are have many effects when using a traditional method such as used by a hand and knife. By using this traditional method, the probability of injured such as sore eyes and hand pain are too high. Beside that, the process also takes a long time if the user needs to peel in the large quantities. The development of onion peeling machine needs to achieve the objective such as increasing the safety, save time and energy of human. The method of use in this project in fabricating this machine is by analysing the source of information data and apply its knowledge in fabricating the onion peeling machine. The method of design is generated with followed the engineering design guided. The final design selection of machine transforms into a 3D drawing using CATIA software. And then, 3D CAD data are analyses using ANSYS CFX simulation software to analyses the flow analysis of the part design. From this result, it will be considered whether it is necessary to make improvements on the machine design to improve the capabilities and effectiveness.