

## ***Design and Construction of a 3 Kg Capacity Red Onion Peeler***

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### ***ABSTRACT***

*In the culinary world, red onions are an essential ingredient commonly used in various dishes. However, the process of peeling and cutting red onions is often time-consuming and causes eye irritation. Therefore, the development of a red onion peeler and cutter is crucial to improving efficiency and comfort in the kitchen. This research aims to design and develop an easy-to-use, efficient, and safe onion peeler and cutter. The design method focuses on developing an ergonomic tool that saves time and minimizes the risk of injury. This tool utilizes a combination of sharp blades and an automatic peeling mechanism to reduce the time and effort required in the preparation of red onions. Performance evaluation was conducted through household kitchen tests and user satisfaction surveys. The results indicate that the tool can reduce the time for peeling and cutting onions by up to 12 times compared to traditional manual methods. Additionally, users reported high levels of satisfaction with the ease of use and consistent cutting results. Thus, the development of this onion peeler and cutter can be a practical solution to enhance kitchen efficiency and comfort, providing a positive contribution to the cooking experience of its users.*

**Keywords:** *Shallots, Onion peeler*