

# Palm Oil Loose Fruit Collector

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## ABSTRACT

This project contains a study on making a product, which is a palm oil loose fruit collector, with considerations from all aspects and criteria for a thorough indemnification of the users. The project started with a research on the development of palm oil loose fruit collector over the years in Malaysia and a comparison between them was made. Then, a design concept was produced from the comparison that includes all the advantages in each of the previous product.

A solid 3D modeling of the final design are then developed using the computer-aided drawing software called Autodesk Inventor Professional 2015. Next, a factor consideration on the materials used was held for the fabrication process such as, cheap, light and strong.

After the fabrication process, a run through of the final product were held to ensure the functionality of it. If it not follows the specification listed, modifications will be done until it achieves the desired product.

Then, the final product will be tested for further research such as comparison on efficiency and time taken for the method of collecting palm oil loose fruit.