

## **ABSTRACT**

Plastic mulches are materials used by farmers to keep the planted crops can be protected from pests, other wild herbs and hold fertilizers in order to remain at fixed conditions and prevent erosion due to rain. Colors are often used usually black silver, silver goal avoid insects that want to destroy crops, silver may reflect light so that pests do not like the colors are bright and shiny. Before mounting the first ground stacked plastic in accordance with the diameter of the plastic mulch. After keeping the land in days until the ground hardens slightly meal made by punching holes in the plastic surface using heating devices commonly used by farmers. Tools that have been used not impact the solution because many of the barriers currently used by farmers. A tool designed a little simpler by combining some of the many heads of special blades pierce the plastic mulch. So that the merger of these farmers will easily do the planting quickly without having to wait for the time wasted.

The shape and design that is designed to adjust the conditions still existing farm village area Manoko dent. Tools designed using six blades with each blade is divided into the left and right front, an easy way of working makes the farmers are not confused to adapt to the tool designed. The design is done to solve the problem in reducing the labor and time are not effective, especially in agriculture. This product will function properly if it is in a low-lying and flat press and lift systems require powerful energy of the farmers because this tool has a mass of 5-7 kg for a single unit.