

Abstract

Automatic Clothes Folding Machine Equipped with a Clothes Storage Box

Clothing is an important part of human life, and clothing has a very important role for human survival, starting from protecting from cold, heat, environmental dangers, and many others, but because human growth continues to increase, it causes the use of clean clothing. Neat, neat and fit for use is increasingly needed, but currently folding clothes manually is still very common.

The aim of this research is to increase efficiency in folding clothes by making an Automatic Clothes Folding Machine equipped with a platform as a container for neat clothes.

In this research, the method we used was Recognize and Respond as well as a quantitative method by comparing the efficiency of Automatic Clothes Folding Machines.

To get data about the efficiency of using an Automatic Clothes Folding Machine, we carried out a test by calculating the time needed to fold a number of clothes using the machine. We also compared the results with the time it would take to fold the same amount manually.

The results of this test show that using an Automatic Clothes Folding Machine requires much shorter time than folding manually. In the usability test, we also looked at the user's perception of the comfort and usability of the Automatic Clothes Folding Machine. The response we received showed that users found the machine very helpful and easy to use. They feel that this machine is effective in tidying up clothes quickly and does not require much effort.

This machine can be a solution for the public and laundry businesses to reduce the time and energy needed to tidy up clothes. Thus, Automatic Clothes Folding Machines can provide significant practical benefits to users in everyday life.

Keywords: Clothes, Servo, Clothes Folding Machine, Arduino, Everyday Life, ServoMG996, Arduino Uno.