

ABSTRACT

Electronic technology is one part in helping to alleviate human work, a variety of practical and efficient electronic devices have been created to help humans meet their needs. Nowadays, various types of equipment whose operating systems are manually increasingly abandoned and switch to automatic equipment, so that automatic equipment dominates human life. This portable shirt folding model is one part of the manual shift operation to be automatic. All this time, generally many people fold their clothes manually using their hands, so with this tool model, folding clothes can be done automatically. The stage of making this application is based on the Programming Hardware method. This shirt folding system uses an Arduino microcontroller for data communication. The system input uses the sensor loadcell and for the output, the moving servo motor moves the folding board.

Keywords: *Microcontroller, Arduino, Servo Motor, Power Supply, sensor loadcell, Buzzer*