

## ABSTRACT

The development of the world of technology is very rapid. One example is in the field of printing. Some technologies are created to meet the needs of printing. However, as human needs increase, devices that can print on various media are needed. One example of such a printing device is the plotter.

Plotter is a printing tool that can print images with a predetermined scale. Unlike the printer, the plotter can print on various media. In addition to paper, plotter can print in other media such as wall, table, or other media. In addition, the plotter is able to provide a different scale to the original image. However, the plotter requires several stages before the image printing process begins.

In this final project I analyze how the process of plotter machine can print the picture. Starting from the image processing, until the process that occurs on the microcontroller. Microcontroller used in this research is Arduino uno. The authors hope that after this research is successful, people can understand the process of how the plotter works. Of course with such an understanding the possibility of the development of technology will increase.

Key Words : *mikrokontroler, arduino, plotter*