ABSTRACT

The current density of human activities makes them no time for small things such as washing and cleaning dishes that have been used. Along with the rapid development of technology, humans need a tool that can help to wash the dishes that have been used automatically again. The tool must also be able to save energy and time so that users can focus on other activities.

The dishwasher system uses fuzzy logic which will give an order in the form of a delay for the washing process depending on several conditions on the plate, namely: the condition where the plate is heavily stained, light or clean. To clean the dishes using a spray pipe and to pump water from the water reservoir using a water pump. As for clean and dirty water. There are different shelters.

The purpose of this final project is to streamline the time and energy spent when washing dishes. In addition to optimizing the process of washing dishes in the world of work and saving water use.

Keyword: *dishwashing system, fuzzy logic, time and energy efficient.*