

## ABSTRACT

Appliance of Detergent and Automatic Hand Dryer represent the application form from control systems using microcontroller as especial controller. This appliance will do the process of wash and hand draining automatically.

The hand wash process pursuant to gesticulating detection by PIR ( Passive Infra Red ) Censor is in form of module representing input from microcontroller. Maximal distance from obyek which can be detected by PIR censored is 5 m. Charge the secretory water arranged by time arrangement which found on microcontroller. Microcontroller used at this appliance is AT89S52.

In microcontroller AT89S52 of 32 band I / O which is good for as output from program which have been entered into its. At this appliance use the motor DC as activator pump the soap, motor AC as water pump activator, and heater filament as producer of hot weather for the dryer of hand.

In one day life, hygiene factor very majored, goodness of body hygiene and or environmental hygiene. The mentioned aim to avoid the matters which we don't wish. To support the mentioned, in this Final Project will be made Appliance of Detergent and Automatic Hand Dryer which is good for keep cleaning of legs and hands specially at hand. This appliance will make the activity clean the hand more practical and more effective because the work system at this appliance is made automatically

Keyword : PIR ( Passive Infra Red ) Censor, microcontroller AT89S52, motor DC, motor AC, heater filamen