

## ABSTRACT

This final project focused on the home state of the control system design. This time the most common ways to control household devices done manually , or automatically but with a relatively close distance control . This thesis will discuss how controlling and monitoring the house is done remotely using SMS gateway with parsing method . Parsing method is expected to control and monitor multiple devices at the same time in a system .

The system tries to integrate the SMS gateway and mikrokontroler as the main control , to be able to translate the instructions precisely ordered through SMS . This system uses multiple sensors or indicators as a basis for actions to be taken mikrokontroler , and then send the feed back to the user in the form of SMS monitoring.

Level of system testing is based on the accuracy of the actions taken mikrokontroler to instructions given by the user , or automatically by a sensor . Based on test results, the accuracy of the instructions from the user or automatically from the sensor more than 95%.

**Keywords** : *SMS gateway , Controlling Home , Home Monitoring , Parsing*