THE AUTOMATIC STOVE WITH ACTIVE TRIGGER LOAD OF
STOVE AS WELL AS A CONSTANT BURNING BASED
MICROCONTROLLER

Name : Abd Syuhud
ID Number : 2211 030 075

Name : Maya Isabella
ID Number : 2211 030 111

Supervisor : Ronny Mardiyanto, ST, MT, Ph.D
ID Number : 19810118 200312 1 003

ABSTRACT

The automatic stove with active trigger load of stove as well as a constant burning is an innovation of household appliances designed specifically. The existence of a certain amount to trigger a load above a stove fire will turn on by itself. The stove can also use a timer number can monitoring on seven segment display. When the cooking process has been completed with automatic fire would die.

This stove was created to make it easy for the user, especially in the field of cooking. Because of the many different features that are beneficial for its users. As with any auto mode timer mode and cooking becomes easier.

In this Thesis we make automatic burner with active trigger load the stove as well as a constant burning is equipped with limit switches as a load detector triggers the flame. The regulator is mounted solenoid valve that serves as an on/off operations of gas, so the stove remains controlled when in the circumstances. The stove is equipped with an automatic sensor gas detector that doubles as MQ6 any leakage of gas pipeline.

The results that have been achieved at this final task is the formation of automatic stove with cooking for the maximal load of 2,5 kg, the minimum load to ignite the fire of 200 gram.

Keywords: Limit Switch, Seven Segment, Sensors, Microcontroller
Halaman ini sengaja dikosongkan