ABSTRACT

Regulate levels of alcohol in a solution has an accuracy which is important that the solution does not jeopardize its use. Measurement with the sensor is an alternative that can be used in measuring the alcohol content in the solution is to use the TGS 2620 sensor which results are displayed visually to the 2x16 LCD indicator. To bridge between the sensor and the microcontroller used an ADC (Analog to Digital Converter) for converting the voltage from the sensor TGS 2620 analog into digital data, that can be read by the microcontroller. Microcontroller function to control the driver automatically to increases or decreases the alcohol content in the solution. On the implementation process and visualization system used indicator assembler language programming.

Keyword: Alcohol levels, TGS 2620, Microcontroller MCS51