

ABSTRACT

Much or less sugar levels that must be filled in drinks are different for each person. This adjusted by their tastes. Most people prefer to drink with taste is not too sweet and not too bitter. Therefore, so can still preferred by many people, it is needed a tool that can measure the sugar levels quickly in drink, so the sugar levels in this drink still stay awake.

On this final project is designed and realized sugar levels measuring device in drink based on microcontroller. Drinks which are detected on this final project is syrup. This tool is useful for everyone, especially the drinks industry, and etc. These detectors sugar levels automatically based on ATmega8535 AVR microcontroller. Therefore, we can measure the sugar level in drinks according to most people taste.

ATmega8535 AVR output is displayed on the LCD. The results are displayed in the LCD is the sugar content in the syrup solution. The appearance is a sugar content which is high, medium and low.

Keywords: *sugar levels, ATmega8535 AVR microcontroller, LCD*