

ABSTRACT

Infuse is the provision of a fluid into the body in a certain amount, through a needle into a vein (vein) to replace lost fluids or food substances from the body and are kept - being in a rather long period of time. The use of intravenous fluid infusion (intravenous fluid infusion) requires proper supervision.

For the final project, the writer makes the tool "Water infusion loss detector and setting droplets per minute". The tool will automatically monitor fluid administered by setting droplets per minute is 10 dpm, 15 dpm, and 20 dpm. And there are 3 bottles of 250 mL Elections, 500 mL, and 1000 mL. In making this tool the authors designed using microcontroller ICs At the mega 8535 as the main controller with 2x16 character LCD display

From measurements droplets per minute performed 5 times, the result of measurement error 10tpm = 0%, 0% and 15tpm = 20tpm = 4%. % Error of the module can be used.

Key word: ATMega8535, detector, infus, droplets, tpm