

ABSTRACT

Infusion is the administration of a fluid into the body in a certain amount, into the veins. to replace fluid loss from the body, it continues - constantly within a relatively lama. Komplikasi that may occur in the proposed infusion is hematoma, infiltration, and Tromboflebitis .Of complications that can occur above the required supervision in the installation and performance of infusion.

To facilitate the monitoring, it is designed and made tool is equipped with a detection monitoring intravenous infusion is running out which is equipped with a shipment of 2 patients to 1 reception (room nurse). This tool uses the LED indicator display and use ATmega 8535.

Based on the measurement data output results through simulation and testing of the patient as much as 5 times the test was found that the average% error in the error value 2,13%. The value of UA (uncertainty) in the infusion monitoring by observing the highest value 0,89

Keywords: : Infusion, infrared photodiode.