ABSTRACT

Infusion is a tool to enter the drug (liquid) without special pressure through a vein or body cavity (KBBI). Infusion is very important and continuously so that the patient gets the intake to replace body fluids, the fluids are discharged should be immediately replaced with new ones or discontinued if the patient's condition had improved so that blood does not rise to the IV that causes bleeding in the vein area entered intravenous fluids and also to prevent emboli (Wilkinson, 1996).

To facilitate the supervision of the infusion, then designed and made detection devices intravenous fluids discharged by the monitoring to the computer, which is equipped with the delivery of two patients to one reception (room nurse). This tool uses the display on the computer and the data sent via wireless.

Based on the measurement data output results through simulation and testing of the patient as much as 5 times the test found that the average% error on the sensor drops by 0.7% error value. And the value of UA (uncertainty) in the infusion monitoring by observing the highest value of 1.8%.

Keywords: : Infusion, wireless, computer