

ABSTRACT

Infusion is used to help sick patients to avoid lack of fluids or dehydration, because the infusion fluids will replace the lost body fluids. In general in the hospital not only one but tens and maybe even hundreds of patients who use infusion. Can imagine the difficulty of the nurses who must check every room just to check the infusion that will run out or not, while the number of nurses and patients versus far away. So to facilitate the nurse, will be designed a system to monitor the infusion. Infusion will be installed infrared to detect the number of drops of infusions fluids and level of infusions fluid levels, NRF24L01 for sending and receiving data, Arduino Uno to identify data sent and parse data received, and desktop to display data. Desktop view created using visual studio application. This monitoring system will display data in the form level of infusions fluid and number of drops of fluid infusion every minute.

Keywords: Arduino Uno, Infus, Monitoring, NRF24L01, Pasien, Perawat

