

## ABSTRACT

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*In the world of health there are various types of medicine used in helping the treatment of patients, one of them using fluids through the infusion. But there are several factors in using this infusion, which is required direct supervision by doctors or nurses, because the infusion should be replaced before it runs out. Doctors or nurses will perform periodic checks in the patient's room in turn, which is considered less effective and will disrupt the patient's rest. Based on this is designed a system for delivering information quickly using nrf24L01. Where the NRF24110 module works wirelessly by utilizing radio frequency and communicating via transmitter to receiver. The nurse can monitor the infusion condition based on the number of drops / minute and the level of the infusion using a remote desktop application connected to the appliance on the patient's, and in this final project a protocol that is used as a medium in data traffic is also needed. With this final project doctors or nurses can monitor the infusion condition from a distance without checking periodically every patient room. This prototype works with the transmitter that is installed infusion in the patient's room and receiver in the monitoring room, and sends out data packets from infusion to monitoring*

*Keywords: Infus, Transmitter, Receiver*