ABSTRACT

In the medical world, the pulse is used to analyze or indicate any abnormalities of the heart. Furthermore, the physician will record the results of the pulse measurement along with the data data concerning the identity of the patient from the examination, diagnosis result, the history of the disease, and the treatment and other actions and services to the patient during treatment from both outpatient and inpatient on the patient's document or often referred to the medical record. Common medical records include paper files and non-simple document attachments. This will be a problem when the patient is out of town and does not carry medical records while the patient needs medical treatment quickly. The difficulty of access to this document will increase the risk of late handling. The purpose of the construction of this system is to minimize the risk of difficult access to medical record data that result in the delayed handling of patients. Based on the results of testing this system, it can be concluded that the reading of pulse data delay 3 to 7 seconds due to the flow of each data taken first on the firebase, then the data is forwarded to the MySql database and stored and then displayed on this monitoring system.

Keywords: Heart Rate, Medical Record Data, Medical, Desktop Application