ABSTRACT

Technological developments are very rapid, making it easier for people to do activities and complete the work, as well as in the measurement of blood pressure with Sunrom Blood Pressure Meter. Sunrom Blood Pressure Meter is a biomedical tool used to determine the condition of blood pressure. For now, the ability to increase data in the format only, so for further data processing is still by manual.

Therefore, in this final project is made, Blood Pressure Meter tool will be developed so that it can display blood pressure measurement data on PC, so that data can be directly stored or processed for further purposes.

Results In this Final Project have created an application for reading and presenting data from digital tension meters. The application created can display sistole/diastole blood pressure numerically with the heart rate. The application can also save the patients' data in the form of .txt format and can be directly processed for futher needs. The average delay in displaying the measurement data is 4,51 seconds and the file size stored from 1 measurement data is approximately 2,33 Bytes.

Keywords : Blood Pressure, Monitoring, patient, digital tensimeter, Sistole, Diastole, Heart Rate, Bytes.