

ABSTRACT

Blood pressure is an important factor in the circulatory system in humans. As a doctor or nurse will release the patient's blood pressure using Tensimeter with manual work, such as mercury tensimeter. Then the nurse will take the pulse by feeling the patient's pulse. According to WHO data worldwide, around 972 million people or 26.4% of the earth's inhabitants suffer from hypertension, this number will increase to 29.2% by 2025. Therefore, in this Final Project a web-based blood pressure detection application will be made. and Android with a record of 2.5 million active smartphone users based on the Android operating system. With the Requirement Analysis method and system design can help the measuring device with a smartphone so as to make this application have a suitability of needs, storage and efficiency. With this application, the process of monitoring and storing patient health data is easier and more efficient, because the blood pressure measuring system can be directly integrated with the web and applications that can be viewed via a smartphone.

Keywords : Tensimeter, Blood pressure, web, android, smartphone