

ABSTRACT

Health is a very valuable thing for everyone because without a healthy body then we can not move. Health is closely associated with Medical Check-Up at the time of a pandemic like the present to do a health check should immediately to the hospital, but in a pandemic era we should be able to minimize direct contact with the crowd as going to the hospitals / health centers. Not only were things that cause people unwilling to perform medical check-up because of access to health facilities are inadequate and distances to be able to do Medical Check-Up..

Based on these problems, the authors designed a Smart Health Monitoring tool that is used to carry out medical checks (Medical Check-Up). Where with this tool, patients can do a Medical Check-Up without having to come directly to the nearest hospital or health facility. This tool can also be integrated with a health consultation application so that patients do not need to meet a doctor directly when doing a Medical Check-Up.

The output of the Smart Health Monitoring tool can perform Medical Check-Ups with an accuracy of 98% weight measurement, 87% heart rate measurement, 95% blood pressure measurement, 99% height measurement, and 98% temperature measurement. . All Medical Check-Up results data can be sent to the adadokter application which is integrated through a real time database from firebase.

Keywords: *Medical Check-Up, Smart Health Monitoring, Adadokter Application.*