

ABSTRACT

The heart is a very important organ in the human body that functions to pump blood throughout the body. Therefore, heart monitoring is very important because blood circulation throughout the body occurs at any time. By knowing your heart rate, it can provide important clues of human health status.

Human detection by automated systems using sensors has presented many promising avenues in the medical and technological fields. In this study using a sound sensor to detect heartbeat sounds in order to know early on the possibility of interference with and this system will be integrated with mobile applications. And inform directly to the medical.

This application is useful for users make it easier to provide more heart rate information to medical staff in analyzing health and. It is also hoped that this tool can be used at home to monitor conditions.

Keywords: sound sensor, mobile application