

ABSTRACT

The heart is an important organ in the human body that serves to pump blood throughout the body. Activation of the heart muscle can be measured using equipment called an electrocardiograph or ECG. With the help of electrodes as a transducer to obtain ECG signals from the body. Then the weak ECG signal will be amplified and filtered to be easily measured and acquired.

Television is an electronic device that has become a community needs a lot of different levels of economic strata. Television has been used as one kind of entertainment in the government offices including the district and health centers in the area. These conditions are new opportunities in the use of television as another medium, not just only used for entertainment or just see the news.

This final project was to realize the television as a visualization of ECG monitoring. With the help of the microcontroller to process the ECG signal so that it can be displayed on the television screen to be able to monitor a person's heart work continuously.