

ABSTRACT

Heart is an important organ in human's body that pump blood through all body. There are many ways to know someone's heart. One of them are using electrocardiograph. Electrocardiograph is a device that used to record the physiological signals which produced by the heart's electrical activity, this signal is called electrocardiogram (ECG).

Right now, heart examination must be done directly between the heart expert and patient, so its need a monitoring system from digital electrocardiograph device than can monitor the heart examination result from a far, at least the patient don't have to meet directly with the heart expert to facilitate the examination. Therefor ECG monitoring system can be design into portable. This portable ECG monitoring system expected to used continuously so that the countermeasures and illness detection of someone's heart can be done earlier.

The final result from this Final Assignment is as expected. The stored data on MMC is *.txt form with wavelengths that can be stored for 10-20 seconds and the amount of data that can be stored as much as 9 times.

key words : portable, MMC, microcontroller, graphic LCD