

## **ABSTRACT**

Electrocardiogram (ECG) is one of medical information's that gives report on patient's heart function. Enormous patients make the medical practitioner difficult to monitor them. The purpose of this final project is to create an application that can help the medical practitioner to monitor the patient from distance by using MMS.

This final project uses systemic model which contains three major parts. The first part is the usage of EKG to capture medical report of a patient. The second part is the usage of application that process EKG data and the usage of MMS gateway. This final project focuses on explanation of this section. Last, the third part is MMS delivery by GSM provider.

The implementation of system is realization from the planning process that already made before, which consist of application testing process and system analysis. Analysis of EKG application via MMS include analysis of byte size MMS data, analysis of MMS delivery cost, analysis of MMS delivery delay from the GSM provider and the analysis of the implementation of EKG via MMS system.

**Keyword:** Electrocardiogram, Multimedia Message Service, gateway