ABSTRACT

Natural disasters that occur make the number of casualties to be handled. Quick handling of rescue teams at disaster sites is urgently needed for victims. Especially the victims who must get intensive direct treatment by the medical team. Inadequate location of the site makes the victim can not be handled directly at the scene but must get early care in the medical team tent who will be taken to the hospital to get more intensive care. Initial treatment performed by the medical team based on the pulse of the victim has been detected.

Final project will be made application design system to help the victims of natural disasters in order to get a quick and precise handling at the scene. The system will use android applications that will be connected to the pulse detector (pulse sensor). Victim data that has been detected will be sent to cloud service via gsm by using REST protocol. After the data entered and processed in the cloud service then the user andoid applications can access data malalui internet and see the victim data that must be helped to get more intensive treatment by finding the location of the existence of the victim using gps.

Expected that the internet-based android-based application system can run as planned and help reduce the loss of life to get medical treatment faster and more precise.

Keywords: cloud service, REST protocol, gsm, gps, android