ABSTRACT

These last few years, natural disasters often occur such as tsunamis, earthquakes, and floods. One consequence of post disaster that could happen is a telecommunications system damage. It may cause the area isolated and cause aid to victims hampered, whereas at the time information services to assist disaster victims is extremely urgent so that required a solution on how to keep communications still running especially to assist data collection of disaster victims’s requirement though the telecommunications system interrupted. By utilizing of mobile devices development this last few years, especially on smartphones with Android operating system as well as by implementing communication with infrastructure as simple as possible can be made a victim service solutions for data collection on disaster when a telecommunications system occurs in an area of damage. The result of this final project is a data collection services system that include victim’s data by implementing it on Android devices using simple telecommunication infrastructure and can be used in order to aid service in the area keep running without any interruption while in disaster situation.

Keywords: Disaster, data services, information system, server, tethering, ad-hoc, Android.
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