

## ABSTRACT

Disaster is one of problems that can't be avoided by humsn beings. Prediction of disaster can be done to decrease bad impact of it. Decreasing financial loss and bad impact of disaster in a country needs a different system to protect society. Based on BMKG data, Pangalengan Bandung is one of area troubled by disaster.

Public protection and Disaster Relief ( PPDR) is one of tackling disaster system. The major of parameter needed in PPDR is the the supply of frequency allocation based on Nationan and International regulation. Available frequency allocation can be dimulated based on the scope level received signal that can be seen in raster map. Pangalengan. Network simulation can be done by uding software Atoll 3.2.1, one of simulation program determine the scope of area from one of base station built. Technology, signal received energy, kinds of antena, sets of equipment needed to be determined based on wide of Pangalengan area. Program result isthe best frequency based on dignal received level that can be seen from Histogram and CDF in Atoll 3.2.1, software and building base station technical.

*Key words : PPDR , frequency allocation, PPDR frequency regulation*