

ABSTRACT

Flooding is the most common hazard that happen in Indonesian, bandung is one of the Indonesian city that has encountered flood problem. Bandung regency declared a state of emergency in the wake of hundreds of thousand of hectares of area being flooded in west java. Base on the latest data, flooding caused by the over flowing river. The primary effects of flooding are damage to buildings and other structures including bridge, sewerage systems, road ways. When it takes damage to roads and transport infrastructure may make it difficult to mobilize aid or evacuation to those affected or to provide emergency health treatment. In this case, the author designed a solution to provide the evacuation by designed the raft. The rescuers team will use raft to evacuate residents from a flood

The methods of completion that will be used to support data in the final task project are the data collection techniques that will be used to support theoretical data, then proceed to the stage of analyzing system which is useful to compare existing products that used as solution of the chosen issues then proceed to visualization stage which is the process before the realization of the previous stage

The raft that designed by author has an alternative use that can be fold when it is not being used. The raft used a rubber materials and some addition to provide the system.

Keywords: Disaster, Flood, Evacuation, Rafts.