

ABSTRACT

Indonesia is a country that susceptible with natural disaster such as earthquake, tsunami, volcano eruption, land slide, flood, etc. There are another problem beside Natural Disaster especially about the pathway of distribution. If there is a disaster, the problems that probably occur are bad distribution, stack of goods in warehouse, late distribution, and also bad coordination between instance that involved. The attention that society give not followed by the profesionalism of government. Therefore, we need to build a simulation which is describe relief distribution management as a learning tool so the party will be corrected. This design need to know about the data of distribution chain existing, the elements of simulation, the type of aid and needed tools, and also determine the factors that used to evaluate the chain distribution of natural disaster aid.

Before build the simulation, they needed the data spread of susceptible disaster area in West Java, the data spread of citizen and the clasification of aid. After the data complete, do the analizing of clasification critical aid, decide elements an interlaced system distribution of aid, decide lead time distribution of aid, decide scoring parameter symulation performince. After all of the component complete, build the symulation program and the program

According of the data West Java included the susceptible disaster area with the total summary of West Java citizen are 39.960.869 people (Acoring Survey Center Economic Social Statistic year 2005). The pathway of existing aid starting from Social Service Province, Instance of Social Town/Residence and head of District or head ofn village, the aid will directly distribution to victim of natural disaste important. In distribution of aid natural disaster, coordiantion, acuration in decision maker it's very important thing. The manager of distribution must do fast to make decision with distribution goods according the victim needed . The design of this simulation including Begining of Menu, Admin Menu, Begining Data Menu, Progress Distribution aid Menu and Report.

The result of simulation describe that relief distribution are difficult to manage because the elements are dinamic and unpredictable. With this simulation expected learning to make decision and define the right strategy to all of condition natural disaster. So that the decision maker in government can more practice to make decison in management logistic of natural disaster aid.