ABSTRACT

The rapid economic growth because of growing both government and private agencies. However, the working safety aspects of are sometimes forgotten and less attention is one of the problems is the establishment of Assembly Point is needed especially in areas that have many high rise buildings and places that have a risk of major disasters such as oil refineries, mining and others.In the other hand, many agencies in Indonesia who not haveing an assembly point andthey think that this is not needed, the on of the example is Telkom University. At Telkom University , there is no disaster evacuation regulation on all existing buildings in the campus area. On Telkom University area does not have sufficient Assembly Point and arrow direction tonwards the evacuation route making it difficult for human to travel to the evacuation site .

For traffic regulation during evacuation, the application of Ford-Fulkerson algorithm is required. Using network flow, algorithm it can calculate the capacity of the path that can be taken. The Ford-Fulkerson algorithm can be implemented on the Telkom University campus. The algorithm can manage human traffic from the building to the Assembly point. The results show that we can see the maximum capacity on a passable path at a time.

Keywords: Assembly Point, Ford-Fulkerson, graph, capacity