

CHAPTER VI

CONCLUSION AND RECOMMENDATION

This chapter encompassed the conclusion of the research and recommendation for the next research.

6.1 CONCLUSION

1. This research has developed a model that helps decision makers to regulate water distribution to some destinations in order to maximize the fulfillment of relief items and efficiency of the distribution of water with available resources in the emergency response phase
2. The proposed model also provides a schedule for vehicles to distribute water from some sources to all affected areas and can be used for various disaster scenarios
3. The proposed model provides the result of service level comparing with the number of available vehicles and the maximum limits of the trip for each vehicle. So stakeholders can prepare the needs of resources to include vehicle and driver in order to minimize the number of alleviating victims
4. The proposed model works on homogeneous vehicle, in eight trip and no fairness consideration

6.2 RECOMMENDATION

1. Improving this model with add another objective function to minimize respond time or add another constraint to get the schedule of the latest distribution for each destination gets their first relief item.
2. Since this model is working in the number of trip, applying work hours as a constraint in this model is recommended to the next research.