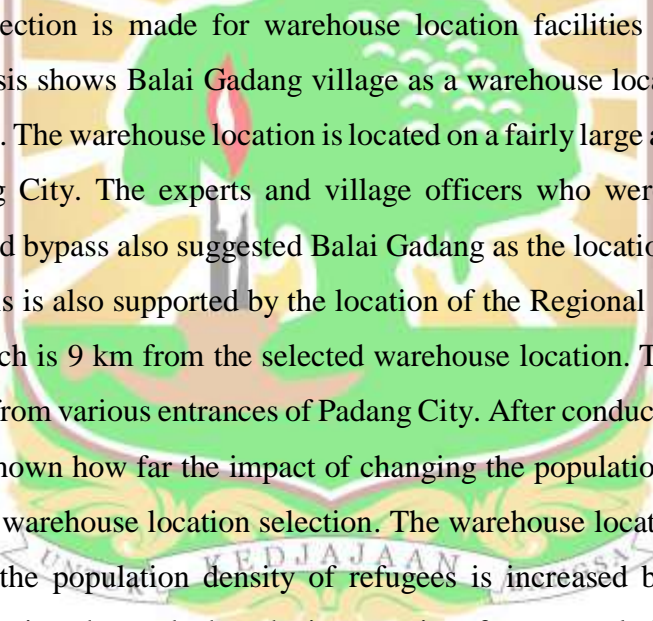


CHAPTER VI

CONCLUSION AND RECOMMENDATION

This chapter formulates conclusions from the research results. Conclusions are formulated based on the analysis of selected locations with several considerations. This section also contains suggestions related to further research and the implications of the study results.

6.1 Conclusion



Site selection is made for warehouse location facilities in Padang city. Location analysis shows Balai Gadang village as a warehouse location with a CPI value of 912.36. The warehouse location is located on a fairly large area near arterial road in Padang City. The experts and village officers who were on alternative locations around bypass also suggested Balai Gadang as the location of the disaster warehouse. This is also supported by the location of the Regional Sumatra of PMI warehouse which is 9 km from the selected warehouse location. This location can also be passed from various entrances of Padang City. After conducting a sensitivity analysis, it is shown how far the impact of changing the population density on the decision of the warehouse location selection. The warehouse location still at Balai Gadang when the population density of refugees is increased by 5% and 10% whereas the location changed when the increase in refugee population density up to 15%.

6.2 Recommendation

Recommendations that can be given for further research:

1. The results of this study have obtained potential warehouse locations for disaster preparedness that are part of disaster contingency plans. If the government of Padang City intends to build a warehouse in this chosen

location, the main thing that needs to be prepared is a feasibility study by considering the aspects of benefits and costs.

2. A follow-up study of the results of this research is a study of a zoning-based logistics network that considers the connectivity of this new warehouse with various other existing warehouses. The construction of new warehouses provides a consequence of the disaster logistics network problems to increase the service level of assistance distribution when a disaster occurs.

