

## CHAPTER VI

### CONCLUSION & SUGGESTION

#### 6.1 Conclusion

Based on the research result, the conclusion can be drawn to answer the problem identification. It is stated in the following statement:

1. The criteria that are used for selecting supplier in PG.Madukismo are Price, Specification, Delivery, and Partnership Credibility. The sub-criteria for price are brand & distributor official letter. The sub-criteria for Specification are capacity of pump, type of pump, and material of pump. The sub criteria for delivery are punctuality and exact amount. The sub-criteria for partnership credibility are references, track record, and distributor official letter.
2. The best alternatives or supplier for PG.Maduksimo is PT.X, because PT.X has the highest performance rank based on the calculation of Fuzzy analytical hierarchy process the total value of alternative for PT.X is 0.47, PT.Y is 0.30 and PT.Z is 0.23

## 6.2 Suggestion

Some suggestion that can be given in this study are as follows:

1. In order to fulfill the needs of pump machines, companies should pay attention to the weight of criterion because each criteria has a different weight. Therefore, companies could consider the weight of each criterion to find the right supplier that is appropriate with company's criteria.
2. Based on the calculations from fuzzy AHP companies are more concerned with price criteria compared to other criteria this is proven by the results of weighting between criteria, the price criteria have the highest total weight compared to other criteria. Therefore, the company can cooperate and build partnership with PT. X which has the highest performance ranking.
3. However if there is a change in company policy regarding the criteria in determining suppliers the company could re-evaluate its supplier.
4. For the next research, the other combination method could be used for the same problem and the result could be compared in order to determining the most suitable supplier for PG.Madukismo.