# CHAPTER V

# CONCLUSION AND RECOMMENDATION

## 5.1 Conclusion

According to the data analysis of respondents' answers on the questionnaires, the results of this research study enlightened that:

1. Factors influencing the current risk and uncertainties in the construction project in Yogyakarta were:
   a. The inappropriateness of specifications in the construction project with 3.69 mean value and 0.93 standard deviation value.
   b. Availability of sufficient transportation facilities with 3.47 mean value and 0.76 standard deviation value.
   c. Difficulty of communication between the project team with 3.44 mean value and 0.98 standard deviation value.
   d. Weather and seasonal implications with 3.84 mean value and 0.92 standard deviation value.
   e. The delays of payment with 3.28 mean value and 0.92 standard deviation value.
   f. Difficulties in disposing of plant and equipment with 2.44 mean value and 0.72 standard deviation value.

Based on the respondents' answers, insufficiently skilled staff was the most common source of risks in the construction project with 3.41 mean value and 0.80 standard deviation value. It would cause the difficulty of communication among the project team that was able to lead to the inappropriateness of specifications in the construction project.

2. The most applied risk responses in the construction project in Yogyakarta were risk monitoring and risk transfer. This result could be obtained according to the respondents' answers that the first rank of responses to risk identification was to monitor the risks and prepare contingency plans. It was valued with 3.5 mean value and 0.76 standard deviation value. The next rank was to transfer the risks by purchasing insurance. This response was valued with 3.13 mean value and 1.13 standard deviation value. Most of the respondents preferred to monitor the risks and then prepare the contingency plans as the alternative courses of action before the risk event occurs. The perception of respondents in this research study was mostly based on respondents' knowledge and experiences in the construction industry.

## 5.2 Recommendations

1. It is essential for the contractors and consultant companies to understand deeply about the risk management so that both of the contractors and

consultants can get more potential benefits by minimizing and avoiding the risks in construction project activities.

2. Further research study, it is essential to conduct a study in different cities in Indonesia in order to help contractors and consultants in deciding actions to avoid, handle, and control risks under different circumstances.

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