CHAPTER V
CONCLUSION AND RECOMMENDATION

5.1 Conclusion

The research has been conducted from the beginning of the research procedure until the last. Hence, the research has come with the following conclusions:

1) The implementation of multiple intelligence based learning on electrical circuit topic in this research has achieved 100% of implementation percentage. It means that all activities are done completely during the implementation.

2) As stated in the result of research that multiple intelligence based learning towards student' understanding on electrical circuit topic has significant effect which is determined by Wilcoxon test.

3) Multiple intelligence based learning enhance students' understanding for all participants which is determined by normalized gain value and categorized as low improvement.

4) Students' understanding after implementing the treatment in higher achiever class is more improved which considered as medium compare to lower achiever class which considered as low based on the average normalized gain value.

5) Students' understanding after implementing the treatment for all participants is improved in cognitive level of C2 (Understanding) and not really improved in C3 (Applying) based on the average normalized gain value.

6) Students' science learning motivation after implementing multiple intelligence based learning in overall or the whole motivation without separating per aspect is increased slightly. In details, students' motivation of lower achiever class is more increased compare to students' motivation of higher achiever class.

7) Students' science learning motivation after implementing the treatment for all participants has the improvement in only three aspects from six aspects which are self-efficacy, science learning value, and achievement goal.

8) Students' science learning motivation after implementing the treatment in higher achiever class is increased in these three aspects: science learning value, performance goal, and learning environment stimulation. Meanwhile students science learning motivation in lower achiever class is increased for three remaining aspects: self-efficacy, active learning strategy, and achievement goal.

5.2 Recommendation

Based on the research result and its findings, the researcher realized that there are still several aspects have to be improved in order to obtain high accuracy and qualify. Therefore, the following recommendations are made to improve the next research in a future conducted by another researcher.

1) Implement the multiple intelligence based learning as best as possible, following the various literature review made by any researchers.

2) Improvement of arranging lesson plan is needed to give more various teaching and learning strategies.

3) Add the remaining two cognitive levels which are C5 (Evaluating) and C6 (Creating).

4) Students' science learning questionnaire with various types of external and internal factors as indicators must be improved.

5) Research would be better if it is conducted using quasi experiment with two group pre-test post-test design, so that the improvement would be identified clearly by comparing the control and experiment group.