

CHAPTER V

CONCLUSION AND RECOMMENDATION

A. Conclusion

A research about improvement of scientific inquiry skills of junior high school students has been conducted based on standardized research procedure. The following conclusions are obtained.

First, it is found that there are three pattern of scientific inquiry skills improvement of junior high school students; improved, fluctuated, and decreased. Skill no (1), (2), and (3) show improvement pattern while skill No. (3), (4), (5), (6), (7), and (9) show fluctuated pattern. For skill no (8), it is even decreased. Over all, it can be said that a fluctuated pattern of scientific inquiry skills improvement in junior high school students has been occurred. It is proved that grade 8 has lower score than grade 7.

Second, it is found that curriculum implementation affect the improvement of scientific inquiry skills during junior high school. Finding of this research shows that school with Cambridge IGCSE curriculum implementation obtain better improvement pattern than students from school with KTSP curriculum. However, this is merely the effect of curriculum implementation in those schools; do not represent the quality of the curricula themselves.

B. Recommendation

Finished with this research, there are some recommendations for future research as written in the following paragraphs.

Scientific inquiry skills are a set of skills that is very complex and involves many aspects. It will be better for further research to use more than one measurement instrument to measure the improvement of scientific inquiry

skills, so the profile of the improvement can be analyzed from many points of view.

Research instrument of scientific inquiry skills can be developed to become better. Further development of the instrument requires a lot of time and energy. It is better if the instrument development process and data collection are done by a team, so all job description can be satisfied, because research in this area surely need assistance of two or three people for collecting data with so many sample amount.

The usage of statistical software such as SPSS and ANATES are very useful when working with huge number of samples. It is very good idea to use these software as assistance in doing statistical analysis.

During data collection, sometimes there are annoying students who always disturb the other. It is better for students that if someone already finishes with the test item, they may leave the class, so they cannot disturb the other.