

## **CHAPTER V**

### **CONCLUSION AND RECOMMENDATION**

#### **5.1 Conclusion**

Based on the data processing and analysis quantitatively, it is concluded that inquiry-based teaching can improve significantly students' critical thinking skills. The improvement covers all the skills in critical thinking those are interpretation, analysis, inference, evaluation, explanation, and self-regulation.

In addition, seen from the classroom observation, the students' critical thinking disposition characteristics also develops as well from week to week, in term of students' curiosity on everything they want to know, relevancy in seeking the information, open-mindedness, rationality in giving an argument, and implementing their ability in thinking more critically.

According to this study, this promoting process can be done through the appropriate inquiry cycle, which is implemented in the classroom. Meanwhile, the cycle that implemented in the learning process may include of five phases of the inquiry cycle, those are the phase of asking, the phase of investigating, the phase of creating, the phase of discussing and reflecting. This conclusion is proven by the looking at the finding in this research which indicate that by passing every phase of this inquiry-based teaching cycle consistently in the process of learning, it can promote students' critical thinking skill.

#### **5.2 Recommendation**

Based on the research conclusion discussed earlier, the researcher proposes some recommendations in an attempt to improve students' critical thinking skill. For the teacher, it is best recommended to be dare to implement teaching methods that could promote students' critical thinking skill rather than remain to implement the traditional method of teaching, and this inquiry-based teaching could be the one of teaching method that can be used by the teacher. However, as this study did not that perfect, it is suggested for the next researchers who are interested in doing the research related to inquiry-based teaching method to explore more on the potential of the use of inquiry-based or other teaching method that might support the

students' learning process, so that the educational field in Indonesia could get better improvement and could compete in global.