

## **CHAPTER V**

### **CONCLUSSION AND SUGGESTION**

#### **5.1 Conclusion**

Concept Map was found to be significantly affected to the students' learning outcome and retention in learning mollusca, from the results of research that has been done can be concluded that :

1. There was significant difference of students' learning outcomes between students who were assigned using concept map and who were not assigned using concept map. Independent T-test showed average score of learning outcomes in the experiment class higher than class control, it is evident from percentage difference of post-test score in the experiment class and in the control class was 11.93%.
2. There was significant difference of students' retention between students who were assigned using concept map and who were not assigned using concept map. Independent T-test showed that average score of retention in the experiment class higher than class control, it is evident from percentage difference of retention score in the experiment class and in the control class was 22.21%.

#### **5.2 Suggestion**

According to the conclusion which have been mentioned above, then in accordance with research obtained, the researcher gave suggestions as follows :

1. Biology teacher in SMAN 3 Medan are encourage to assigned used concept map at the end of teaching process, as an alternative to improve learning outcomes and student retention.
2. Results of this research can be used as a reference by readers who want to do similar research in different times and places.
3. Students' of SMAN 3 Medan expected can apply to make assignments using concept maps as a way to easily understand the subject matter.