

## CHAPTER V

### CONCLUSION AND RECOMMENDATION

#### 5.1. Conclusion

Based on analysis result, statistic test, and discussion so can conclude as follow:

1. Learning media was found to be significantly affected the students' learning outcome in learning Spermatophyte topic at SMA Negeri 1 Sidikalang. The use of audiovisual media was found to produce highest students' learning outcome especially when compared to mind mapping media and two dimension image media and two dimension image media was found to produce highest learning outcome when compared to mind mapping media.
2. Learning media was found to be significantly affected the students' retention in learning Spermatophyte topic at SMA Negeri 1 Sidikalang. The use of audiovisual media was found to produce highest students' retention especially when compared to mind mapping media and two dimension image media and mind mapping media was found to produce highest students' retention when compared to two dimension image media.

#### 5.2. Recommendation

Looking at the findings, conclusions and the discussion of the results, the following is presented some suggestions that expected to be meaningful to all parties who use this research information, both as literature and / or for benefit of advanced research, among others:

1. Biology teachers are encouraged to used appropriate learning media in accordance to the improvement of students' learning outcome and retention.
2. The result of this research can be a consideration for Biology teacher in order to develop teaching and learning process on Biology subject, in accordance to the improvement students' learning outcome and retention.