

## CHAPTER V

### CONCLUSION AND SUGGESTION

#### 5.1 Conclusion

Based on results of data analysis conducted research and hypothesis testing in SMA Budi Murni 2 Medan concluded that :

1. Students learning outcomes in the experiment class by using Inquiry Learning model on harmonic vibration topic increased with average value before treatment pretest is 30.12 and after treatment (posttest) is 72.68.
2. Students activity as long as using Inquiry Learning Model increased, from the first meeting up to the second meeting and the third meeting, with the average in meeting I : 62.44 , meeting II : 70.67 and meeting III : 77.78. The category of students activity is good.
3. Based on the results obtained and the results of data analysis it can be concluded that there are differences in posttest results of experimental class with the control class, so it can be said there is effect of inquiry learning model on student learning outcomes on harmonic vibration topic.

#### 5.2 Suggestion

Based on research result and discussion before, researcher give suggestion as follows : For the next researcher so that use the time effectively thus the syntax in inquiry learning model can achieved and occurs well. For the next researcher, so that prepare more than one observer to get accurate data and to observe the student activity .In addition, the number of observers who make a little researcher overwhelmed while guiding students in conducting experiments, situations that are less conducive at the time of learning so that learning objectives are not going as expected, as well as the lack of experience researchers in managing the class so that the class conditions are noisy causing less efficient research. For the next researcher so that give more attention and guidance of students who are less active in learning process.