CHAPTER V
CONCLUSIONS AND SUGGESTIONS

5.1. Conclusions

Based on the results of the research and discussion, several conclusions can be obtained as follows:

1. The improvement of students' ability in solving mathematical problems using the learning model of Problem Based Learning assisted by geogebra. Based on the research results it is known that the average problem solving abilities of students in the first cycle of 57.87 and in the second cycle 76.39. This shows that the ability of students in solving mathematical problems increased after the Geogebra-assisted Problem Based Learning learning model was applied.

2. The classical completeness of class X SMA Negeri 8 Medan in learning trigonometry using the Geogebra-assisted Problem Based Learning learning model. Based on the results of the study it was found that the students' classical completeness in cycle I was 25% and in cycle II was 91.66%. This shows that students' classical mastery increases after the GeoGebra-assisted Problem Based Learning learning model is applied.

5.2. Suggestion

As for suggestions that can be taken from the results of this study, namely:

1. Mathematics teachers in teaching mathematics learning materials are advised to use the problem based learning model assisted by geogebra software as an effort to improve students' mathematical problem solving abilities.

2. Utilization of computer facilities using software needs to be done as a learning medium so that students are more active and enthusiastic in carrying out the learning process.

3. It is suggested to other researchers that the results of this study be used as a consideration in implementing the problem-based learning model assisted by geogebra software to other materials for further research and to pay attention to the weaknesses that exist in the research so that the research carried out is getting better