

CHAPTER V

CONCLUSION

5.1. Conclusion

The following conclusions are obtained based on data and questionnaire calculations collected from research on making Hyperlink-based PowerPoint learning media on the material for the development of atomic theory.

1. The quality of PowerPoint interactive multimedia learning media based on hyperlinks as a high school chemistry learning media for class X on the development of atomic theory has been successfully developed using the 4D development, which achieved a revised average score of 4.56 out of 5 and received a very valid/strongly agreed final statement.
2. In the data from the pretest and posttest results, it can be seen that there was an increase in learning outcomes after being given treatment in the material for the development of atomic theory using hyperlink-based PowerPoint learning media. From these data, the average value of students experienced an increase in the average value, namely from 70 to 92.12. Then the number of students who complete is 33 students with the lowest score of 75 with a percentage of 100%. Therefore, the hyperlink-based PowerPoint learning media has an excellent effect on improving student learning outcomes in the material for developing atomic theory at SMA Negeri 12 Medan.

5.2. Suggestion

Based on the results of the research and discussion that has been done, the researchers suggest the following:

1. PowerPoint learning media based on hyperlinks to atomic theory development material is suggested to other researchers to use learning media to measure student motivation, ability to do practical work, and other variables in future research.
2. It is expected that PowerPoint learning media based on hyperlinks on the atomic theory development material that has been developed can be utilized

by teachers and students to function as an attractive alternative learning media in the learning process of reaction rate material.

3. It is hoped that future researchers can develop better hyperlink-based PowerPoint learning media with different materials and class levels and add many more variations to it to attract more students' interest in learning, especially in learning chemistry.

