CHAPTER V
CONCLUSION AND SUGGESTIONS

5.1 Conclusion

Based on the results of research and data analysis in development of learning media based on animation video in hydrocarbon material, it can be concluded that:

1. The results of development of learning media based on animated video in hydrocarbon material grade XI in senior high school were concluded valid based on experts' assessment, practical based on students' opinions and students' outcomes, and advisability based on validity, instruments results data, and the normality test and t test for concluding hypothesis with Ha is accepted. With validity in material aspects with the average percentage was 84% that stated "Good" and validity results material aspects with the average percentage was 91% stated "Very Good".
2. In the data from students' questioner result, it can be seen that the students' responses about animation video is Very good based on the results of percentage level of students' questionnaire is 91%, with range 75% - 100% as a Very Good category.
3. In the data from the pretest and posttest results, it can be seen that there is an increase in learning outcomes after the teaching treatment of the animation video as learning media in hydrocarbon materials. From these data, the average student score has increased from the pretest score, namely 31.7 to 75.78. With hypothesis that been used in this research that Ha is accepted; The $t_{count} \geq t_{table}$; $22.75166617 \geq 2.045$. This research can be concluded that the learning outcomes of student increased after using learning media based on animation video in hydrocarbon learning.

5.2 Suggestions

Based on the conclusions stated above, several suggestions that need to be considered for improving the quality of school chemistry learning are as follows:

a. For students, it is recommended to use this learning video in learning so that it stimulates interest in independent learning and encourages to learn chemistry.

b. For teachers, it is recommended to use variety in learning media to help increase student outcomes and can be as a support system for learning models.
c. For further researchers, it is recommended to continue to work and use this thesis as references greatly to possible in making a good product to make chemistry easier to understand and enjoyable to learning.

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