

CHAPTER V

CONCLUSION AND SUGGESTION

5.1. Conclusion

Based on the research data, hypothesis testing and discussion that has been described, the following conclusions can be drawn:

1. Development of Animation Video Media (PowToon) in Chemistry Learning Based on Religion

Development based on the R&D development model and the ADDIE model. The steps taken are analyzing the character of students and existing problems, collecting data and materials, product design, validation, revision and implementation at Al Ulum Terpadu Islamic Senior High School Medan. Animation video media (PowToon) in chemistry learning based on religious has been successfully developed as a learning medium on the subject of chemical bonds.

2. Measurement Results of Animation Video Media Effectiveness Test

The measurement of its effectiveness is carried out by experts and students as follows:

a. Material Expert and Media Expert

Conducted by two lecturers and one teacher, the results of the assessment by material experts reached a percentage of 88.9%. This can be interpreted that the material expert states that the chemical bonding material in animation video media (PowToon) in chemistry learning based on religious is included in the appropriate category for use. The results of the assessment by media experts reached a percentage of 89.1%. This means that media experts state that animation video media (PowToon) is included in the category suitable for use as learning media.

b. Grade X MIA 1 Students

The results of the assessment by students of grade X MIA 1 Al Ulum Terpadu Islamic Senior High School Medan obtained a percentage of 94.8%. This can be interpreted that students are interested and can understand the material so that students state that animation video media (PowToon) is included in the category suitable for use as learning media.

3. The Level of Religiosity of Students Grade X MIA 1

The results of the calculation of student religiosity, it was found that the level of religiosity of students grade X MIA 1 Al Ulum Terpadu Islamic Senior High School Medan was mostly in the moderate category, namely 70% (23 students). This can be interpreted that grade X MIA 1 students are able to direct themselves to do positive things and behavior even though they are in learning conditions.

4. Results of Measurement of Student Learning Outcomes Grade X MIA 1

The first step is to perform a normality test using SPSS. Based on the calculation using the formula, the value of $t_{\text{count}} = 25.3095$ and $t_{\text{table}} = 2.036933$ ($t_{\text{count}} \geq t_{\text{table}}$) then the hypothesis (H_a) is accepted. It can be concluded that there is an increase in student learning outcomes for grade X MIA 1 Al Ulum Terpadu Islamic Senior High School Medan after using animation video media (PowToon) in chemistry learning based on religious.

5. Results of Measurement of Student Learning Motivation Grade X MIA 1

The first step is to perform a normality test using SPSS. Based on the calculation using the formula, the value of $t_{\text{count}} = 9.1618$ and $t_{\text{table}} = 2.036933$ ($t_{\text{count}} \geq t_{\text{table}}$) then the hypothesis (H_a) is accepted. It can be concluded that there is an increase in the learning motivation of grade X MIA 1 Al Ulum Terpadu Islamic Senior High School Medan students after using animation video media (PowToon) in chemistry learning based on religious.

5.2. Suggestion

Based on the results of the research on development of animation video media (PowToon) in chemistry learning based on religion which has been described, some weaknesses still exist in animation video media as a learning medium. Therefore, here are some suggestions from the author on product development and its use are as follows:

1. For school
 - a. It is expected that schools will take action in increasing the use of learning media facilities to support the learning process.
 - b. It is expected that the school will provide facilities to students by conducting socialization/tutorials in the use of learning media.
2. For teacher
 - a. Teachers should not only focus on one medium and develop an interesting, varied and interactive learning media in order to increase student motivation and learning outcomes.
 - b. Teachers should train more and more skills in the field of technology because technology is also a support in the learning process, especially the use of media.
3. For student
 - a. Students should be more tenacious, never give up and put more effort into answering difficult chemical bonding questions.
 - b. Students should be more diligent in doing the assignments given by the teacher and respond to these assignments as student responsibilities that they must complete.
4. For other researchers
 - a. It would be better if other research on the development of animation video media (PowToon) did dubbing so that students can also use visual and auditory as well.
 - b. Other researchers can conduct further research on animation video media (PowToon) based on religion in other subjects and levels of education.