

CHAPTER V

CONCLUSION AND SUGGESTION

5.1 Conclusion

Based on the analysis of the data that has been carried out in this study, it can be concluded that:

1. The distribution of students' Science Literacy HOTS ability in the pre-test was in the low category, with an average score of 34.4, with the highest distribution of question indicators in concept analysis at 60% and the lowest in the presenting conclusion indicator at 26.6% which shows that students' initial ability in high-level thinking and science literacy in chemical bonding materials is still not optimal.
2. The distribution of students' Science Literacy HOTS ability in the post-test has increased compared to the pre-test, with an average score of 59.8, with the distribution of questions on the indicators of formulating hypotheses and presenting conclusions showing a significant increase, namely 50% and 38.4%
3. The use of the Discovery Learning model with Genially interactive media has been proven to have a significant influence on improving the ability of HOTS Science Literacy Students on chemical bonding materials, based on the results of the Paired Sample T-test, right tail t-test showing rejection on H_0 .
4. The improvement in the HOTS Science Literacy ability of students after being given treatment is in the medium category, which is indicated by an average N-Gain value of 0.34 which indicates a positive increase but still requires further learning reinforcement.

5.2 Sugestion

The suggestions in this study are as follows:

a) For Teachers

The researcher advised chemistry teachers to use a student-centered model as well as use learning media in delivering chemistry materials. Especially in chemical bonding materials, the researcher suggests using the Discovery Learning learning model with Genially interactive media as a learning tool, because this model and media have been declared to be able to improve the ability of HOTS Student Literacy and are suitable for use in chemistry learning, especially chemical bonding materials.

b) For the next Researcher

1. The researcher suggested that further research be conducted to improve students' understanding levels as well as students' HOTS levels of Science Literacy on chemical bonding materials
2. Researchers must be able to apply the Discovery Learning model as well as design better interactive media Genially for other materials and a wider class can also improve students' HOTS Science Literacy, especially in chemical bonding materials
3. The suggestion from this study for future researchers, so that in the future the application of the Discovery Learning model with Genially interactive media can be done by giving students time to observe, analyze, and solve problems with their abilities.

In the application of this Discovery Learning learning model, students are given the opportunity to be more active in asking and answering questions. As well as the use of teaching modules equipped with science literacy-based questions to improve students' HOTS Science Literacy skills.