

CHAPTER V

CONCLUSIONS AND RECOMMENDATIONS

5.1. Conclusion

Conclusions that can be obtained from the research on the analysis of critical thinking skills at class XI Senior high school students on the material of the respiratory system, namely:

- 1) There are differences in the results of critical thinking skills between the control class and the experimental class which are given the treatment of the Discovery learning model. It can be seen from the pretest scores of students before applying Discovery learning on the Interpretation indicator of 36.6 (low category), and the posttest results of the application of Discovery learning on the Interpretation indicator the results increased by 81.3 (high category). The critical thinking ability indicator shows an increase in the value of students critical thinking skills after being given the implementation of discovery learning.
- 2) The critical thinking ability of Senior High School 5 Medan students in the 2021/2022 academic year is included in the medium category with the highest average score on the Interpretation indicator of 81.3 (medium category), analysis indicator of 81.6 (medium category), and self-regulation indicators of 81.6 (medium category), while the lowest critical thinking indicators are in the Evaluation indicator of 75 (low category), and the Explanation indicator of 75 (medium category).

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5.2. Suggestion

Based on the conclusions obtained, the researchers provide the following suggestions:

- 1) Students critical thinking skills can be improved optimally by applying the Discovery learning learning model to other subjects, in order to hone students critical thinking skills.
- 2) The teacher should familiarize students with applying critical thinking skills in learning and in answering the questions given.
- 3) Researchers can develop other aspects of critical thinking skills that are broader in scope by using learning models that are in accordance with the concepts of Biology lessons being taught.

