

CHAPTER V

CONCLUSION AND SUGGESTION

5.1 Conclusion

Based on the analysis of research data gained, it can be conclude that implementation of discovery learning supported by Solar System Scope application could improve the students' concept mastery, it can be proved by the acceptance of H_1 and the results of significant is 0.000, which means that there is significant effect of learning solar system using discovery learning towards srudents' concept mastery. The improvement of students' concept mastery also supported by the results of N-Gain is 0.48 which means that is categorized as medium. Discovery learning supported by Solar System Scope application also enhance the passing rate of 51,61% with the highest improvement in the subtopic of Eclipse. The result of this research also shows that there is enhancement in students' concept mastery with the highest enhancement in cognitive domain of C4 with N-Gain 0.63

From the scoring results of curiosity questionnaire, the implementation of discovery learning supported Solar System Scope application could improve the students' curiosity, it can be proved by the results of N-Gain is 0,38 which means categorized as medium. The improvement of students' curiosity also supported by the decreasing of students in category very good which from 4 students learning activity become 17 students after learning activity, which means learning solar system using discovery learning supported by Solar System Scope application not only can enhance students' concept mastery but also can enhance students' curiosity.

5.2 Suggestion

From the analysis result of the research, there is some suggestions. First, the instruments to implement the discovery learning should be prepared and made well, it is include the worksheet during learning activity. The application as the technology support also should be available in Bahasa, since not all of the students

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in the school can easily understand the application using English. The other suggestion is the question or statement in the questionnaire is general, it is better if the statement is more in line with the activity that will and done by the students. For the researcher which will use discovery model, it is better to apply this model in science teaching learning process to the other topics which have more theortical that should be proved, such as the topic in biology which need to arrange the hypothesis, do the experiment, and conclude the result to prove the hypothesis.