

## CHAPTER V

### CONCLUSION AND SUGGESTION

#### A. Conclusion

Based on the analysis of research data gained, it can be concluded that:

Think-Pair-Share strategy could enhance the students' conceptual mastery since based on Hake's category the average normalized gain score is 0.4782 which is categorized as fair, the number of students in almost all questions number who get misconception decreased, the number of students who understand in all questions increased, and there is no student who got equal or more than 75 score in pretest, while in posttest, 11 of 25 students (44%) of students pass the minimum standard score which is 75. The concept that mostly understood by the students well was Characteristics of Lights Topic since the highest average post-test score of students is in that topic and also the increasing of students who understand the concept is also in that topic even though the greater normalized gain found in Optical Devices topic which is 0.51.

From the scoring result of communication skill from poster rubrics, it is found that 68% of the students can give appropriate content with some important concepts included which categorized as fair and 84% of them used few images which quite appropriate with the concepts written and categorized as fair.

#### B. Suggestion

From the analysis result of the research, the suggestions given are:

For the teacher, three tier test instrument can be used as an alternative test to know students' conceptual mastery in physics material, but the instruments should really be made well so that it is understandable and does not give big confusion to the students. To make the implementation of Think-Pair-Share strategy more efficient, the worksheet should be well prepared and the questions in worksheet should be well-arranged in line with the activities done. The assignment to create poster as the instrument to measure

communication skill can be given as the project so that the communication skill's score can be used to measure the whole topic and the poster can be created better since the students have more time and more tools and materials to create it.

For the researcher which will use this kind of strategy, it is better to apply this strategy in science teaching learning process to the other topics which have more theoretical or abstract concept like solar system, global warming, additive and addictive substance, or photosynthesis and plant transport system.

