

## CHAPTER V

### CONCLUSION AND SUGGESTION

#### A. Conclusion

Based on research result that has already discussed, comprehensive conclusion can be obtained. First, overall there is significant difference of students conceptual mastery using virtual laboratory in optic topics between boys class and girls class. Boys class outperformed than girls class in conceptual mastery using virtual laboratory in optic topics. Second, interest in physics result is the same with conceptual mastery result. Boys class has more interest in physics than girls class. But for overall both of class has good approval level of interest in physics through virtual laboratory learning media.

Those results are affected or has relationship with gender differences in learning process using virtual laboratory on optic topics. By using virtual laboratory learning media, conceptual mastery and interest in physics of students at both of class ( boys class and girls class ) are improved.

#### B. Suggestion

Based on the discussion that has already done in this research, so there are several suggestion for next learning process and next research, i.e:

1. Learning process using virtual laboratory media is really suggested for the school that has more facilities, for example computers. Teachers should have an ability to operate that technology. Better the teachers can improve their creativity to use the methods that uses virtual laboratory learning media in learning. Besides that, teachers should know students characteristic between boys students and girls students to improve their learning to have a better learning outcomes.

2. This research are expected can become inspiration for other researcher. It is recommended for the other researcher to make a research about differences of conceptual mastery of boys students and girls students by using virtual laboratory in others topics. And also with higher level of cognitive in conceptual mastery of students or other skills. And investigate the domination of brain hemisphere with writing habit.

