CHAPTER V
CONCLUSION AND RECOMMENDATION

A. Conclusion

This research about comparison of Science Virtual and Paper-based Test towards students' critical thinking on seventh grade secondary school has been conducted accordingly as the theoretical foundation on research in education. The conclusion regarding this research is described as below.

1. Science virtual and paper-based test show no significance difference on the general score.

2. Science virtual and paper-based test show no significance difference based on test items' type. Picture test item showing significance difference but ¾ other test show no significance difference. So, it can be still concluded that SVT and PBT is no difference based on test items' type.

3. Science virtual and paper-based test show no significance difference based on critical thinking elements' score.

4. Science virtual and paper-based test is no significance difference based on students' Multiple Intelligences.

5. Science virtual and paper-based test show no significance differences on critical thinking elements' score based on students' Multiple Intelligences. However, 6 test from total 72 statistical test show significance difference.

6. Science virtual and paper-based test show no significance difference based on the score based on students' gender.

7. Science virtual and paper-based test show no significance difference on critical thinking elements' score based on gender, but 1 over 16 statistical test shows significance difference.

8. Students have positive attitudes towards science virtual test in all aspects which are experience, preference, technical, and media. On general, the average score of the questionnaire is 3.15 based on the scale of 1 – 4.

9. Teachers have positive perspectives on computer-based test/ science virtual test to be implemented on school. This means that teachers also have positive attitudes/have good expectation towards computer-based test/science virtual test and more prefer it rather than paper-based test regardless the condition/facilities provided on their school.

B. Recommendation

At last, there are some recommendation based on the findings of the research that has been conducted. First, it is suggested that the development of science virtual test to be continued into better version in the future. Then, start slowly to replace the paper-based assessment into computer-based assessment as well as science virtual test for science subject that this assessment tool provide a lot of advantageous aspects rather than paper-based test and not bias on gender as well as students' intelligences. Moreover, the continuation of the development of computer-based test/science virtual test are important because it is proven that computer-based test/science virtual test is expected by teachers and also the students that they have a very positive respond/attitudes on computer-based test/science virtual test. This may lead this nation into some advancing educational system in the future without making the students or teacher getting more stressed.