

CHAPTER V

CONCLUSION AND SUGGESTION

5.1. Conclusion

The results of the research conducted can be concluded as follows:

1. The result of validation on LKPD based Guided Inquiry with PhET Simulation on Work and Energy topic which assessed by validator materials expert is “Excellent” with average score is 95%. The result of validation on LKPD based Guided Inquiry with PhET Simulation on Work and Energy topic which assessed by validator media expert is “Excellent” with average score is 95%. The result of validation on LKPD based Guided Inquiry with PhET Simulation on Work and Energy topic which assessed by validator practitioner expert with average score is 96.15% which include the criterion “Excellent”.
2. The result of questioner student's response on LKPD based Guided Inquiry with PhET Simulation on Work and Energy topic in 2 step testing have been average score is 87.5% with criterion “Good” on initial testing, and have been average score is 94.11% with criterion “Good” on quantitative testing.
3. The LKPD based Guided Inquiry with PhET Simulation developed that is suitable for student learning on Work and Energy in class X at SMA N 1 Labuhan Deli based on the result of instrument by material expert, media expert, practitioner expert and the result of students response on initial testing and quantitative tasting.

5.2. Suggestion

As an extension of the results of this study, this study offers several suggestions, as follows:

1. Research development using instructional 4D model, this resulting LKPD based Guided Inquiry with PhET Simulation on Work and Energy topic need to more an other topic in physics.
2. Learning using LKPD based Guided Inquiry with PhET Simulation on Work and Energy topic this should be done continuously as a habit for students to achieve optimal results.
3. The next researcher should not only stop at the stage of *development*, but also at the stage of *disseminate* so that the educational material is more useful and can be used directly by the whole community.

