CHAPTER V

CONCLUSION AND SUGGESTION

5.1. Conclusion

The results of this research can be concluded as follows:

1. This Students' Worksheet was developed by using STEM Approach, model that used is 4-D. The stages are in a cycle that contains a study of the results of research in the field that is related to the products to be produced but it is limited until the products trial that are suitable to the needs. This LKPD was created using the STEM component, namely Science, Technology, Engineering, and Mathematics. Then, the LKPD was carried out various assessment to see the feasibility of the LKPD as carried out by material expert, education expert, and physics teachers and students also participated in the form of responses.
2. Based on the results of the assessment by material expert, education expert and physics teachers, the LKPD with the STEM approach gets a high percentage which states that this LKPD has appeal and feasibility to be used in the learning process. The results of the material expert's assessment is 96.43% which included in the *"very feasible"* category. The results of the education expert's assessment is 95% included in the *"very feasible"* category. The average results of the teachers' assessment is 95.54% which included in the category of *"very feasible"*.
3. The students' responses to the LKPD with STEM approach on Sound Waves material is *"good"*. It can be seen from the results of the students' responses assessment after using this LKPD, where the percentage of individual testing responses is 78.75% which included in the *"good"* category. Followed by the results of small group testing, it is 88.75% included in the *"good"* category and the assessment of large group testing is 95.56% which included in the *"good"* category.

5.2. Suggestion

As a follow-up to the results of this study, the research proposes several suggestions, as follows:

1. The development research using the 4 -D model resulted in an LKPD focused on Sound Waves topic, therefore it was suggested to future researchers to produce products with other materials.
2. The next researcher is expected not only stop until the develop stage, but to continue until the disseminate stage so that teaching materials will be more useful for schools or communities.