

## CHAPTER V

### CONCLUSIONS AND SUGGESTIONS

#### 5.1 Conclusions

Based on the results of the research and discussion that has been described, the conclusions in this study are as follows:

1. An Inquiry Worksheet has been developed with the material of Temperature and Heat.
2. The development of Inquiry Learning-based worksheets, with the materials of Temperature, and Heat, has gone through the stages of define, design, and development. It can be concluded that the worksheets are feasible to be used in the learning process. Based on the results of material expert validation with an average percentage of 85% with very feasible criteria, and learning expert validation with an average percentage of 65% and included in the criteria for use.
3. The feasibility level of student worksheets based on inquiry with the material Temperature and Heat based on the teacher's response as many as 3 people is with an average percentage of 86%, 87%, and 89% with the following criteria: "Superior". The level of feasibility of student worksheets is based on student responses in small groups of 5 students, with an average percentage of 74% with the "Advanced" category. Student responses to student worksheets in large groups were 20 students, with an average percentage of 91.5% with the "Superior" category. This shows that the developed student worksheets are feasible to be used as one of the supporting media in the learning process.

#### 5.2 Suggestions

Based on the above conclusions, the authors propose several suggestions in overcoming problems found in the field:

1. Researchers expect research results in the form of student worksheets Inquiry-based students on Temperature and Heat material can be used in the learning process at school so that the quality of student worksheets as a whole becomes more useful.
2. In conducting research on developing student worksheets in the future, researchers should increase the number of teacher respondents, in order to see a wider comparison in developing inquiry-based student worksheets in temperature and heat materials.
3. In conducting research on developing worksheets in the future, researchers should increase the number of student respondents, so that they can see a wider comparison in developing worksheet inquiry-based on temperature and heat materials. Because this student worksheet is intended for students, so researchers are able to cover more of the needs of students in the learning process.
4. Future researchers will be very good if they are able to complete the 4 stages of development. So that the resulting product will be more widely used by students.

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