

CHAPTER V

CONCLUSION AND SUGGESTION

5.1. Conclusion

Based on the discussion of the research result, the assessment from experts shows that the worksheets contain up-to-date knowledge or material with consistently associated components. Therefore, the developed interactive student's worksheet to improve Higher Order Thinking Skills (HOTS) of tenth-grade students is valid. Furthermore, based on the questionnaire responses of teachers and students with an average score in the "Excellent" category, it shows that the developed interactive student worksheet is practical. The interactive student worksheet is also effective in improving Higher Order Thinking Skills (HOTS) of tenth-grade students since there is a significant increase in students' higher-order thinking skills based on student learning outcomes. Student learning outcomes are in the "medium" N-Gain interpretation category. Apart from that, students' positive response to learning shows that the interactive student worksheet developed is also effective because it is in the "excellent" category. Therefore, the interactive student's worksheet to improve Higher Order Thinking Skills (HOTS) of tenth-grade students is in the valid, practice, and effective category.

5.2. Suggestion

Based on the research and development results of interactive worksheets to improve Higher Order Thinking Skills (HOTS) of tenth-grade students, the researchers provide advice and recommendations to educators interested in implementing these interactive worksheets in learning and other researchers who want to follow up on this research. The suggestions of researchers are as follows:

1. For mathematics teacher and students, this interactive student worksheet is a valid, practical, and effective to improve Higher Order Thinking Skill (HOTS) of tenth-grade students so that it can be used as alternative teaching material in classroom learning activities on trigonometry material

2. For future researchers can further develop this interactive student's worksheet, especially in the mode of use. Other researchers suggested being able to make interactive student worksheets into an offline application or web mode. They can further increase the interactivity of the student's worksheets so that students can be more creative in improving their thinking skills independently. Before conducting research, it would be better for researchers to conduct in-depth research on students' initial abilities and further adjust the questions used to test students' thinking abilities according to their initial skills to maximize learning outcomes.

