

CHAPTER V

CONCLUSION AND SUGGESTION

5.1 Conclusion

Based on the results and discussion of the research on the development of learning media previously stated, the following conclusions are drawn.

1. The results of the development of GeoGebra-assisted learning media to improve the mathematical spatial ability of the rest of the flat shape material are declared valid based on the assessment of material experts and media experts. The assessments of these experts consistently categorize GeoGebra-assisted learning media in the valid category with a presentation of 87.61% by media experts and 85.06% by material experts. In general, this media assessment is very good and can be used. The results of the development of learning media are also stated to be practically based on student response questionnaires. The percentage of assessment is 89.45% which has a very practical category. Therefore, it can be concluded that the GeoGebra-assisted learning media that was developed is included in the very practical category. So it is feasible to be used as a source of teaching materials. The effect of GeoGebra-assisted learning media in improving students' mathematical spatial abilities on flat-shaped material is the n-Gain value of 0.453 which is in the range $0.30 \leq (g) \leq 0.70$ with medium category. So that this learning media is able and effective to improve students' mastery of concepts in the flat wake material.
2. The process of student answers in solving spatial ability test questions can be said to be good. This can be seen from the results of student work in online learning with the help of GeoGebra software. And the students' response to the GeoGebra-assisted learning media is positive, so that students can process the answers well.

5.2 Suggestion

Based on the conclusions stated above, some suggestions that need to be considered for improving the quality of mathematics learning in schools are as follows:

1. For Teacher

Learning to use media with the help of GeoGebra to improve students' mathematical spatial abilities on triangular and quadrilateral flat shapes can be developed sustainably by teachers for different materials.

2. For Student

It is recommended to use GeoGebra-assisted media in learning so that it can foster interest in independent learning and encourage students to be more motivated in learning mathematics.

3. For School

The use of GeoGebra-assisted learning media to improve students' mathematical spatial abilities on flat-shaped materials can be facilitated by the school so that this media can be developed better to increase students' motivation and interest in learning mathematics.

4. For Further Researchers

- a. At the implementation stage, the sample used should not be from a limited group, it is necessary to conduct a trial for the development class so that the data concluded can be generalized. This stage needs to use samples from several classes or schools and grouped for example by accreditation to make it easier to process data
- b. It is also advisable to conduct trials on different materials so that they can gain a broader understanding of the concept, the student's answer process, and the students' mathematical spatial abilities and processes.