

CHAPTER V

CONCLUSION AND SUGGESTION

5.1. Conclusion

Based on the results of data analysis and discussion in this study, several conclusions were put forward as follows:

1. Electronic student worksheets (E-LKPD) Desmos based on problem-based learning developed can improve students' critical thinking skills. This is because, in the field trial, the results of the pre-test and post-test students experienced an increase in every aspect of critical thinking ability assessment. The interpretation aspect increased by 9%, the analysis aspect increased by 18%, the evaluation aspect increased by 42%, and the inference aspect increased by 48%.
2. Student responses after using the Desmos Electronic Student Worksheet (E-LKPD) based on problem-based learning were in a good category. Student responses were seen from the results of the questionnaire given after the problem-based learning-based Desmos E-LKPD was used, including the assessment of aspects of contents, media, and Desmos E-LKPD Functions. From all aspects obtained a total percentage of 80.31% in the "Good" category.
3. Electronic student worksheets (E-LKPD) Desmos based on problem-based learning developed have met the criteria of being effective and practical. The effectiveness criteria in terms of: (1) The results of the validity of the media experts are in the valid category with an average of 4.75, the results of the validity of the material experts are in the valid category with an average of 4.82, and the results of the experts are in the valid category with an average of 4.83 (2) classical learning completeness has been achieved by 80,65% (3) Gain results are at 0.5 with a currently category. Practicality criteria are seen from: (1) Media experts stated that the Desmos E-LKPD based on Problem Based Learning was appropriate to use with revisions according to suggestions,

material experts stated that the Desmos E-LKPD based on Problem Based Learning was feasible to use without revision, and user experts stated that the Desmos E-LKPD based on Problem Based Learning was appropriate to use with revisions according to suggestions (2) the results of the student response questionnaire assessment get a percentage of 80.31% which states that the developed E-LKPD gets the "Good" category and the result practicality questionnaire for teacher the total percentage from all aspects get 92,18% which states that the developed Desmos E-LKPD based on Problem Based Learning gets the very practical category.

5.2. Suggestion

Based on the results of the research and the conclusions above, it is suggested the following:

1. To find out the effectiveness of the Desmos Electronic Student Worksheet (E-LKPD) based on problem-based learning, it is recommended for further researchers carry out a wider dissemination stage.
2. The use of Desmos in making E-LKPD is very good, but the internet is needed for its application.
3. The size of the images/videos included in the E-LKPD should not be too large, because it will hinder the loading process.
4. The Desmos website is highly recommended for making E-LKPD, but if future researchers find better media for making E-LKPD it can be an additional reference for other researchers to make E-LKPD.