

CHAPTER V

CONCLUSIONS AND SUGGESTION

1.1. Conclusions

Based on the results of research and data analysis that has been carried out in this study, it can be concluded that

1. The student learning outcomes in the learning process using android learning media on work and energy materials in class X MIA Islamic University Al-Ulum Integrated Medan have increased scores of 16.35. This can be seen based on the average pretest value before being given treatment 78.81 with a standard deviation of 23.28 and the average post-test value after being given treatment is 90.16 with a standard deviation of 4.73.
2. Based on the results of the N-Gain obtained by the experimental class, that the average value The experimental class's N-Gain is 33.30% which is included in the less effective category. Thus, the use of android-based learning media is less effective for improving student learning outcomes in physics lessons on work and energy materials for class X MIA and the android-based learning media does not have a significant effect on increasing student learning outcomes and motivation. This is shown in the significant value of the MANOVA test for N-Gain data, which are 0.114 and $0.344 > 0.05$.

1.2. Suggestions

Based on the results and conclusions above, the researcher gives some suggestions as follows:

1. This study contains an analysis of the causes of the absence of the influence of Android Based Learning on increasing students' physics scores and motivation.
2. The research results obtained are not as desired so that Android-based learning media will be better applied in the learning process if it is used together with other interactive media.

3. It would be better if the next researcher made learning media that can be used on the iPhone and not only on Android to follow students nowadays if you want to research the same thing.
4. Further research should pay more attention to student activities in class in detail as a result of the analysis if the research results obtained are not as desired.
5. Students should not only depend on the teacher but also other sources to be used as a reference in the learning process and not only fixated on the results and values obtained but also the process through which they get the desired results and grades.



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