

CHAPTER V

CONCLUSION

5.1 Conclusion

The following conclusions were reached based on data and questionnaire calculations gathered from research for the creation of android-based learning media on atomic structure and periodic system elements.

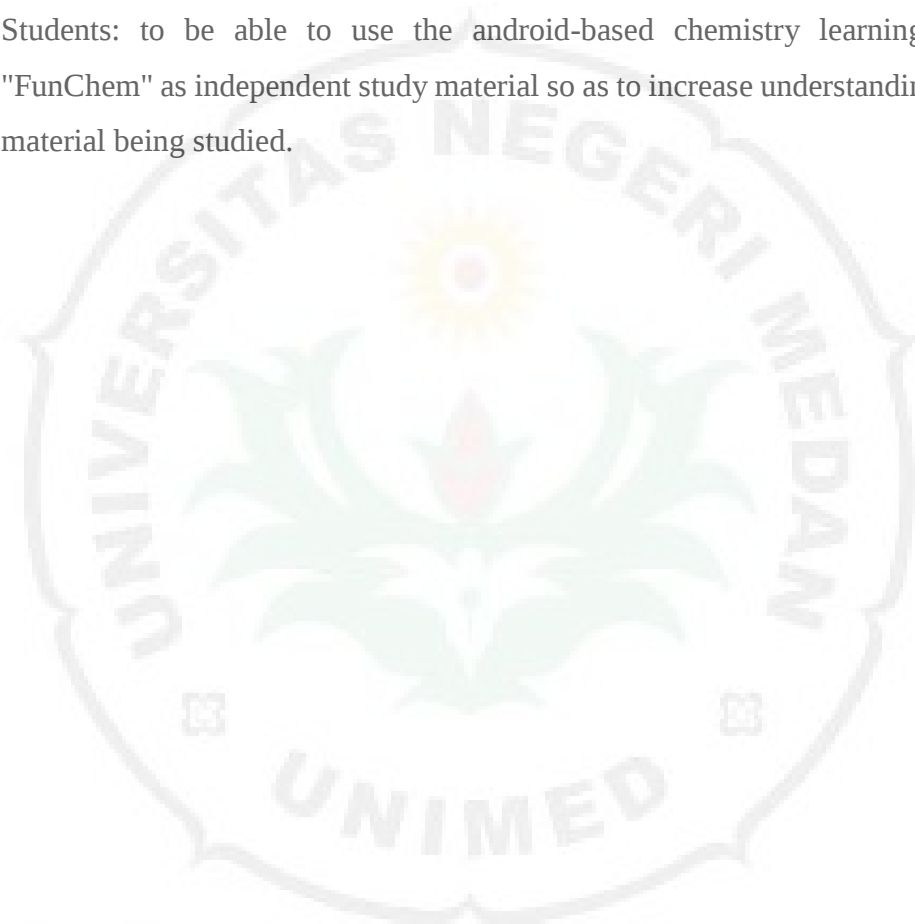
1. The results of the media needs analysis at SMA Negeri 5 Medan are high because the results of a questionnaire that measures student interest are 67.5% with the "disagree" category of the 20 positive statements given by researchers, as well as the results of teacher interviews and environmental analysis.
2. The Smart Apps Creator assists in the developed Android-based learning media, which comprises five components, including media introduction, competencies, resources, competency tests, and Author profiles, with the goal of creating applications that are accurate and concise for usage by students.
3. Based on validator validation results, the feasibility level for media eligibility is 87.5% and for material eligibility is 85.6%, putting it in the highly feasible category for both media and material.
4. The results of the questionnaire to obtain student responses towards the developed Android-based learning media are 78.5% and stated into the "strongly agree" category, indicating that Android-based learning media is assisted by Smart Apps Creator with the name "FunChem" on atomic structure and periodic system elements material suitable for use as a learning media.

5.2 Sugestion

Based on the research findings and conclusions shown above, it is suggested that:

1. Other researchers: in order to ensure that the design and development of learning media based on Android "FunChem" is carried out not only on atomic structure and periodic system elements material in Chemistry course, but also on another material and courses. This media is also currently available for Android, thus other researchers are encouraged to create instructional materials that may be used on both platforms. (Android and IOS).

2. Teachers: in order to be able to enrich chemistry learning media and to be able to increase their competence through the creation of android-based chemistry learning media "FunChem" which can be used as independent learning media.
3. Students: to be able to use the android-based chemistry learning media "FunChem" as independent study material so as to increase understanding of the material being studied.



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