

CHAPTER V

CONCLUSION AND SUGGESTION

5.1. Conclusion

Based on the result of research that obtained from the result of data analysis. It can be stated some conclusion as follows:

1. Based on analysis on common chemistry textbook in SHS the percentage of textbook code A is 82.85%, code B 59.99%, code C 71.42%, code D 68.57%, code E 54.28%, code F 42.89%, and code G is 77.14% most of them are good, but all of them has no integration of multimedia so it's need development and innovation.
2. The arranging of innovative chemistry learning material on topic of thermochemistry has successfully designed suited to the common curriculum 2013 that using at senior high school students. The Learning material Thermochemistry consist of 2 sub topic, successively are: (1) Exothermic and Endothermic Reaction, (2) Enthalpy Changes that consist of : Standard Enthalpy Change, Calorimeter, Hess's Law, and Bond Energy
3. The innovated Learning Material Thermochemistry with Active Learning and Multimedia get the average 3.44 it means it gets positive response from SHS students and chemistry lecturers.
4. The learning material composed has developed and contain innovation by conduct active learning and supported by multimedia that set in offline and online system. There are videos as an offline innovation, while the online innovation when the students connected to internet and using the web link that has been inputed on the learning material as an e-book.
5. The development of Innovative Thermochemistry Learning Material Thermochemistry meet standard *BSNP Indonesia Education National Standard* (Badan Standar Nasional Pendidikan), however based on content, extension, depth, design and language.

5.2. Suggestion

Based on the conclusion above, there are some suggestion that have to be stated in order to make teaching and learning process in chemistry become effective and efficient as follows:

1. It is suggested that the chemistry lecture and chemistry teacher in school should give the standard and good innovative and interactive chemistry learning material based on the common curriculum as main learning media to student in the senior high school especially learning material of thermochemistry.
2. It is suggested to next researcher could improve the better innovative learning material based on common curriculum and develop the e-book to make it more simple and easy according to the suggestion that given by sample as validator.
3. It is suggested to student holder for developing and providing the standard and good innovative and learning material to be used in the teaching and learning process especially for thermochemistry subject in senior high school.
4. It is suggested for next researcher can develop this learning material so that enable opened in personal gadget, so that student can bring it wherever and learn whenever.