

CHAPTER V

CONCLUSION AND SUGGESTION

5.1 Conclusion

Based on the research results from development of interactive and innovation learning materials on the topics electrochemistry conducted at the University, it can be concluded that:

1. For arrangement of chemistry topic electrochemistry to order it is suited to the common curriculum where curriculum that used was curriculum in The State University of Medan where researcher conducted research. On analysis of ten books and arrangement electrochemistry topic to develop interactive and innovative become learning material, have to suited dengan curriculum in The State University of Medan
2. For prepare an interactive and innovative chemistry learning material on the topic of electrochemistry in order the teaching and learning process can be proceeded optimum, the first was conducted a survey of general chemistry books that used in The Faculty of Mathematics and Natural Sciences State University of Medan and general chemistry other than out of from The Faculty of Mathematics and Natural Sciences State University of Medan and analysis of books until obtained advantages from each book, that used to prepare interactive and innovative chemistry learning material.
3. For develop an interactive learning material on the teaching of electrochemistry was packaged illustration, figures to support chemistry materials, added concept maps, example and key answer of questions, exercises and key answer to solve the problems, sheet laboratory experiments and its videos, integrated in a link (website address) that was relevant to be able to access the videos and its video where these video for interactive learning.
4. Kind of innovation can be made on to the learning material of electrochemistry in order the student can easily to study chemistry, where

innovation of chemistry learning material is done by integrating interactive learning media, information technology, and combine media in a CD interactive learning. The whole contents of book was made into an electronic book (*flipbook*) and it is stored in form of *soft copy*

5. The Standarization of learning material that was conducted by chemistry lecture as expert in the chemistry topic and also university student in The State University of Medan got the positive response with point that given is 3.65.

5.2 Suggestion

Based on the above conclusions, there are some suggestion that the authors suggest:

1. For the users of learning material in general and especially for lecture and teacher chemistry, should check overall chemistry learning material for more attention to composition of matter that systematic and feasibility standards so that no more users books that do not meet the feasibility standards according to the BSNP.
2. For next researcher, the development of this learning materials that conducted with do study trial so that known effectiveness of learning materials if be used learning in classroom.