

CHAPTER V

CONCLUSIONS AND SUGGESTIONS

5.1 Conclusions

Based on the formulation, objective, result and discussion of research on the developmental of the biology module for Human Reproductive System sub-topic that previously stated, it can be concluded that:

- 1) The developmental of biology module in the Human Reproduction System topic was conducted by using the development model of Borg and Gall, which has the following steps: (1) Expert testing, (2) Conceptual Analysis, (3) Revision I, (4) Small-field Testing, (5) Revision II, (6) Large-field Testing, (7) Review, (8) Revision III, and (9) Final Product and Dissemination.
- 2) In the large-field testing, data showed that student learning outcomes are improved and they are satisfy with the module that given. Improvement obtained by the grade XI Science 3 that using module in learning score average was from 62.35 becomes 89.01. But grade XI Science 4 that using handbook were not reach mastery learning, the score just improve from 52.83 becomes 67.55.
- 3) The results of expert validation on the aspects of the Human Reproductive System module: the results of the comparison showed that the material aspect is the highest of 93.75%, then followed by presentation aspect 91.66% and readability aspect 89.28%. Graphical aspect is the lowest than other aspects, which only reached 81.94%. But all aspects are still in very good criterion.
- 4) The results of small-field testing validation of the Human Reproductive System module: the results of the comparison showed that the graphical aspect is the highest of 95.83%, then followed by the readability aspect 93.05%, and the material aspects namely 95.83%. Presentation aspect is the lowest aspect of the among the other aspects, which only reached 92.36%. But all aspects are still in very good criterion.

- 5) Module that have developed by the researcher is suitable for use as a good biology learning resource at the Human Reproductive System sub-topic for grade XI science students.

5.2 Suggestions

Based on the findings outlined in the conclusion of the study, the following proposed some suggestions are:

- 1) Because of all this learning process in SMA Negeri 1 Tebing Tinggi still use teaching materials of handbooks from the library, it is recommended to use materials that more applicable, which can help students understand the learning material and linking learning to real life, also can give better feedback to students.
- 2) The conclusions in this study still allows influenced by factors that have not been able to control, it still needs to be done further research on a numerous and widespread samples.