

CHAPTER V

CONCLUSION AND SUGGESTION

5.1. Conclusion

After conducted research and analyze the data have gotten some conclusion, they are:

1. Standard chemistry module has been developed in order to be used as learning media on the teaching of Acid and Base for bilingual teaching. The contents of module consist of standard competence and basic competence based on Curriculum 2013.
2. The design of innovative learning module through integration of laboratory activity, outside activity, illustration, learning media, link web, and evaluation test into chemistry material of acid and base solution. The design will be easy and interesting to read by student.
3. The developing of innovative chemistry learning module was designed by analyze fourth chemistry textbook that standardize by lecturers, teachers, and students get good opinion. It can seen by module judgment had gotten the average of all components the average of overall judgment is 3.52.
4. The innovative learning module can increase student's achievement by seeing the average of high group in experiment class is 77.500 ± 6.960 while in control class is 74.000 ± 7.037 . And the average of low group in experiment class is 75.167 ± 5.212 while in control class is 70.000 ± 8.015 . From the data can seen that the average in experiment class both of high group and low group is higher than control class. It means that innovative chemistry learning module can increase students' achievement.
5. The innovative learning module is effective to increase students' achievement in high group and low group. It can be seen from the result of hypothesis test for high group (t_{count}) is 3.855 and low group is 2.799, while t_{table} is 1.319 ($t_{\text{count}} 3.855 > t_{\text{table}} 1.319$). It means that innovative chemistry learning module is effective to increase students' achievement.

5.2. Suggestion

From the results obtained from this research, some suggested had to be raised in order to the learning process on chemistry is effective to increase students' achievement, namely:

1. It's important to chemistry teacher to use innovative learning module in teaching and learning process because the module given interest or impression in teaching and learning process and can increase students' achievement.
2. It's suggested to school can provide the supporting infrastructure and facilitates so that the teaching and learning process can effective and conducive, especially in laboratory.
3. For the next researcher to develop the module and trial to students its better if the researcher teach the students directly in order to know the maximal of the effectiveness of module or make observation piece when observe the students and teacher when teaching and learning process.