

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 Hydrocarbon for SBI and RSBI students. The developing of chemistry module was design by analyzing fourth bilingual textbook that analyze based on curriculum content standard that consisted of standard competence and basic competence. The content of the module consists of standard chemistry materials, illustration, problem solving, evaluation test and key answer that are design is easy and interesting to be read.
2. There are good opinion from lecturer, teachers and students for module. It can seen from result of the development of learning module based on the result of module judgement had gotten the average of the all components the average of overall judgement is 3.60.
3. These learning module can increase student learning outcomes by seeing the average of high group learning outcomes in experiment class is 64.333 ± 11.509 while for control class is lower than it 55.500 ± 11.897 . And also for low group, average of student's achievement, experiment class 62.333 ± 8.285 also higher than control class 49.000 ± 10.833
4. The learning module is effective to increase student's achievement in low group but not in high group. It can be seen from the result of hypothesis testing for low group that $t_{\text{count}} 2.009 > t_{\text{table}}, 1.318$, and also for high group $t_{\text{count}} 0.435 > t_{\text{table}}, 1.318$. So, It means that chemistry

learning module is effective towards student's achievement in low group.

5.2 Suggestion

From the results obtained from this study, some suggestions had to be raised in order to the learning process on chemistry is effective in increasing of student's achievements, they are:

1. It's important to chemistry teachers to use standard innovated chemistry module in the teaching process of Hydrocarbon because the module given interest or impression in learning process and can increase student's achievement.
2. It is suggested to school holder to provide standard innovated chemistry module in their school to be used in teaching and learning process, especially for the teaching chemistry. Because the standard innovated chemistry module could increase student's achievement in chemistry.
3. It's important to 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 the module or make observation piece when observe the students and teacher when teaching and learning process.