

CHAPTER V

CONCLUSION AND RECOMENDATION

A. Conclusion

Based on this research the conclusion are; there are no significant difference in students' understanding at the beginning (pre-test) both of experiment class 1 and experiment class 2. However, there are statically significant (Sig = 0,05) of post-test in both experiment class 1 and experiment class 2, the average of post-test in experiment class 1 is higher than the average of post-test in experiment class 2.

There are significant differences in students' understanding before and after conducting role play, students' understanding is improving after conducting the role play. The students' understanding improvement in **experiment class 1 is higher than experiment class 2**. In the experiment class 1 and experiment class 2, all of the learning indicators is improving in the percentage of correct answers that chosen by students, all of the learning indicators are improved after students conducting role play activity. But, there are no significant difference in N-gain for each indicator both in the experiment class 1 and experiment class 2. So, the improvement of students' understanding is equal for each learning indicator in solar system concept.

Students' performance in experiment class 1 is better than students' performance in the experiment class 2 based on some aspects in the rubric. However students in both experiment class 1 and experiment class 2 show the good performance in role play to make themself and audience understood about the concept.

In line with students' understanding and students' performance, students' responds in experiment class 1 is also better in the role play activity in learning science. These responds can be shown from the questionnaire that submitted by the students. Students in experiment class 1 more welcome to

doing the role play activity also prepare the role play very well. But almost all of students in

both experiment class 1 and experiment class 2 give the positive respond in role play as a teaching method in science. Most of the students answer that role play is very suitable method for learning solar system concept.

B. Recommendations

After explain the comparison of pre and post-test, here are several recommendations;

1. In conducting role play activity it suggested to consider time for preparation and also performance of role play, so all of the stages in role play can be done very well
2. Test for assess students' understanding still have many weakness, so it is suggested to use the other instrument to assess students' understanding such as the objective test that contain various cognitive domain
3. The sample that used in this experiment is relative slight, so in the future research can be use more sample than this research
4. To make and apply lesson planning in role plat it take more time than the conventional teaching and learning activity, so make sure that time provide to do this activity is enough and not overlap with the other topic
5. The limitation of researcher in concept about role play and solar system is inhibit this learning process, so the future researcher should be more prepare to do this research.
6. Because role play need special time and space, make that all of students come to the class because it is hard if have to continuation role play
7. Because role play cannot be repeated so make sure that all of role play activity is record by the camera to make easier to assess students' performance

8. The ability of students communication skills is different on with the other, so make sure the condition of the class is quite and if there needed use the speaker to make the voice clearer
9. It is better to make simulation of role play before conducting the real performance, so the students can prepare well and not nervous
10. If possible the judgment of role play is the teacher itself beside know the characteristics of the students, students also not feel stressful and more confidence.
11. The last but the most important, it will use role play as a teaching method the teacher should teach the topic before conducting the role play.