

CHAPTER V

CONCLUSION AND SUGGESTION

5.1. Conclusion

Based on analysis and discussion of data, this research can be concluded that the student's achievement in Salt Hydrolysis topic using PBL model based on Lesson Study is higher than using direct instruction model. The student's achievement is obtained from data of post-test and data of gain in both of class. In experiment class, using PBL model based on Lesson Study, the value of post-test is 79.73 and gain is 0.695. And in control class, using direct instruction model, the value of post-test is 65.95 and gain is 0.483. Based on the standard value (KKM) at the school, 75, the value that higher than KKM is obtained from experiment class whereas in control class, it is lower than KKM.

The student's achievement that gotten is proved by statistical hypothesis testing, one tail t-test. Based on the criterion, it is obtained that the value of t_{count} 5.1985 is higher than t_{table} 1.6684. It prove that H_a is accepted and H_0 is refused, so, the student's achievement using PBL model based on Lesson Study is higher than using direct instruction model.

Based on the average of gain is obtained that the using the PBL model based on Lesson Study is effective to be used with the percentage of the effectiveness is 30.54%.

The instrument that used to measure the student's achievement is consisting of cognitive aspect level from C1 to C4. Each of the cognitive aspect level is calculated to know the improvement of students in experiment class by PBL model based on Lesson Study and it is improve each C1 0.63, C2 0.53, C3 0.67, and C4 0.59. And the most improve in experiment class is the level of cognitive aspect of C3 0.67.

5.2. Suggestion

Based on the result of this research, the researcher suggest as follows:

1. For teacher, to get the success student's achievement, the teacher is expected to perform the learning by using Problem Based Learning based on Lesson Study because this model can improve the student's achievement. And Lesson Study can increase the relation of colleague of teachers.
2. For researcher who want to do the same research must be manage the time to implement this model and must be creative in designing the lesson plan and also creative in manage the classroom.
3. It is needed to do the research with the same model but apply it in different topic to increase the quality of education especially in teaching students or in teaching-learning process.