

CHAPTER V

CONCLUSION AND SUGESTION

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 using concept map is higher than using direct instruction model. It can be seen from the result of average of post-test and average of the gain. The comparison between experiment class with control class, the experiment class (post-test = 85; gain = 0.7878) is higher than control class (post-test = 64.25; gain = 0.4923). ... $z_{\text{count}} (10.201) \geq z_{\text{table}} (1.645)$. 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 37.50%.

The conclusion based on the objective:

1. There is the different of student's achievement that taught by PBL model using concept map with conventional model..
2. The Effectiveness of PBL model using concept map is 37.50 %

The student's achievement that gotten is proved by statistical hypothesis testing, one tail t-test. Based on criterion ,it is obtained that the value of z_{count} ($10.201 \geq z_{\text{table}} (1.645)$), so H_a is accepted and H_0 is refused. This means that the student's achievement that taught by PBL model using Concept Map is higher than taught by conventional model in Salt Hydrolysis topic.

5.2. Sugession

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 model using Concept Map because this model can improve the student's achievement.

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.