

CHAPTER V

CONCLUSION AND RECOMMENDATION

A. Conclusion

Based on research result of implementation Problem Based Learning in pollution concept can be concluded as follow:

1. After implementation of Problem based Learning, result of students test show that there is enhancement of students' critical thinking skill with value 0.33 which include into medium category. Enhancement of critical thinking skill also can be identified in each indicator of critical thinking skill. Advance clarification indicator obtained the highest enhancement among the other indicators with normalized gain value is 0.53 which include in medium category.
2. Problem Based Learning can enhance students concept comprehension with average normalized gain value 0.42 which is include in medium category. From students concept comprehension result also can be analyzed enhancement in each subtopic and cognitive domain. In subtopic, the subtopic that most reached by students is soil pollution with normalized gain index value is 0.75 which include in high category. While, the highest enhancement in cognitive domain are understanding aspect (C2) and evaluating aspect (C5) with normalized gain index value is 0.57 which include in medium category.
3. Students incline to give positive response toward Problem Based Learning in pollution concept. Based on observation result obtained that mostly students gave positive response toward science and mostly of students gave positive response toward Problem Based Learning. The result of interview with teacher also tend to give positive response toward Problem based Learning in enhance students critical thinking.

B. Recommendation

There are some suggestion can be considered related with implementation of Problem based Learning toward students' concept comprehension and critical thinking skill as follows:

1. For further researcher it is suggested to do literature review more deeply about Problem Based Learning and critical thinking
2. further researcher who want to implement Problem Based Learning in class should make sure that problem given are easily understood and exist around students
3. For further researcher is recommended to add another class as control group so it can measure more clearly the role and influence of Problem Based Learning in improving students concept comprehension and critical thinking skill
4. Further researcher also need to look another kind of critical thinking test which appropriate with students
5. Further researcher also can investigate the influence of Problem Based Learning in improving another students' achievement or skill.