

CHAPTER VI

CONCLUSION AND RECOMMENDATION

6.1 Conclusion

Based on research result, it can be concluded that nature-based learning give positive impact on students' research skill and environmental awareness. Here are the details on each research result.

- 1) Nature-based learning can improve students' research skill significantly. It can be noticed from statistical report on wilcoxon test. Furthermore, improvement of students' research skills also noticed from the gaps between pre-test and post-test score that is 0.64 which included as medium improvement category. Highest result in post test found is in organize and manage aspect, followed by communication and apply aspect in the second place. Meanwhile, lowest result found in analyze and synthesize aspect. The improvement are caused by two aspects which are the use of nature, and discovering problem on natural environment.
- 2) Nature-based learning can improve students' environmental awareness significantly. It can be noticed from statistical report on wilcoxon test. Furthermore, improvement of students' environmental awareness also noticed from the gaps between pre-test and post-test score that is 0.59 which included as medium improvement category. Highest improvement found in emotional aspect. Meanwhile, lowest result found in behavioral aspect. Nature-based learning provided activity, exposure and time spent in nature that improves students' connection with nature that relate in emotional aspect. However, awareness of behavioral needs more time to change.
- 3) Students' impression toward nature-based learning in improving students' research skill and environmental awareness shows positive impression in all indicators. There are also found positive impression in other aspect such as collaborative learning and enjoyment of learning.

6.2 Recommendation

Based on the findings of the research that has been conducted and concluded, there are several recommendations that needed to be conveyed by researcher. Some of them are:

- 1) Nature-based learning approach can be implemented as an alternative teaching strategy for science teacher in providing activities that develop students' research skills.
- 2) Nature-based learning approach can be implemented as an alternative teaching strategy for science teacher in providing activities that develop students' environmental awareness.
- 3) At assign collaborative working group, teacher should determine the group members that consist of low and high achievement student. However, students' comfort should also be considered so the maximal result can be achieved.
- 4) Time used for nature-based learning implementation is longer than conventional method. Therefore, we should arrange the time really seriously.
- 5) During the project, students should be monitored. Every student should have a role on it.
- 6) In analyzing cognitive aspects of students' environmental awareness, researcher could use additional instruments to measure students' cognitive in the form of test.
- 7) The other researcher who interested on nature-based learning implementation is recommended to develop the research wider in tem of research variable, problem to be solved and so on.