

## CHAPTER V

### CONCLUSIONS AND SUGGESTIONS

#### 5.1. Conclusions

Based on the results of the research on the development of student worksheets (LKPD) based on project-based learning, it can be concluded that:

1. The feasibility of student worksheets (LKPD) based on project-based learning on the topic of biodiversity according to material experts, learning experts and design experts is in the very feasible category.
2. The response of biology teachers to student worksheets (LKPD) based on project-based learning on the topic of biodiversity is very feasible.
3. Student responses to student worksheets (LKPD) based on project-based learning on the topic of biodiversity are in the very interesting category.
4. Student worksheets (LKPD) based on project-based learning on the topic of biodiversity are very effective in improving student learning outcomes, this can be seen from the N-Gain value in the experimental class which has high criteria.

#### 5.2. Suggestions

Based on the research results and conclusions that have been presented, the suggestions that researchers can convey for further research are:

1. Suggestions for Student Utilization

Suggestions for students, namely in the utilization of student worksheets based on project-based learning, can be used to gain new experiences in biology learning and facilitate understanding of concepts and can help students learn independently by involving the surrounding environment. In addition, the use of worksheets based on project-based learning can foster creativity and student innovation to produce interesting products. If students find it difficult or are not used to learning with a project-based approach, teachers can guide students to make it easier to complete the projects they are working on.

2. Suggestions for Subject Teachers

Suggestions for biology subject teachers can be used by teachers to make it easier to carry out learning, can guide students in building student knowledge and understanding, in addition can foster and develop creativity owned by students, and can provide new insights in developing teaching and learning materials that are in accordance with student needs, especially in biology learning.

### 3. Suggestions for Schools

Suggestions for schools related to the development of student worksheets (LKPD) based on this project are that this LKPD can be used as input to determine policies in choosing learning innovations to create teaching materials that are appropriate to the conditions and potential of students in biology learning.

### 4. Suggestions for Researcher

For further researchers, this LKPD can be used as motivation to develop other appropriate teaching materials, as a reference for similar research and should provide a better graphic display, LKPD using a learning model basis or other approaches to other biology materials, and the preparation of LKPD for further researchers to pay more attention to all aspects of the assessment of the preparation of LKPD, because some aspects assessed by the validator in this LKPD are not all perfect.