

## CHAPTER V

### CONCLUSIONS AND SUGGESTIONS

#### 5.1. Conclusion

Based on the results of the research and discussion that has been described, it can be concluded as follows:

1. The development of LKPD Biology based on Discovery Learning on Ecosystem Material refers to the Thiagarajan development model or better known as 4-D development model. The 4-D model consists of four stages, namely define, design, develop, and disseminate.
2. LKPD Biology based on Discovery Learning on Ecosystem Material on validation results conducted by material expert validator obtained a valuation percentage result of 94.44% which is categorized as very good.
3. LKPD Biology based on Discovery Learning on Ecosystem Material on validation results conducted by instructional design expert validator obtained a valuation percentage result of 87.5% which is categorized as very good.
4. LKPD Biology based on Discovery Learning on Ecosystem Material on validation results conducted by graphic design expert validator obtained a valuation percentage result of 95.23% which is categorized as very good.
5. LKPD Biology based on Discovery Learning on Ecosystem Material on the student response results that have been conducted in limited field trials get a percentage of 93% which is categorized as good.
6. LKPD Biology based on Discovery Learning on Ecosystem Material is effective to improving learning outcomes seen from the Paired T Test which shows that the post- test score is significantly higher than the pre-test score and the N-gain score test results which indicate an increase in participant learning outcomes. students are on the "High" criteria.

## 5.2. Suggestions

The recommended advice with respect to these research results is that large-scale trials of these products with larger subjects are required for maximum results. To see the effectiveness and practicality of the product should be at the actual stage with optimal time to produce a quality final product.

