

## CHAPTER V

### CONCLUSION AND SUGGESTION

#### 5.1. Conclusion

Based on research that has been carried out in class XI semester I SMA Negeri 2 Medan in the 2022/2023 academic year on the material of rigid body equilibrium and data analysis of research results, it can be concluded:

1. There is an effect of the POE2WE learning model assisted by the PhET virtual lab application on students' understanding of the concept of rigid body equilibrium. The effect can be seen from the increase in the average understanding of students' concepts before being treated, which is 26.47 and after being treated with the POE2WE model assisted by the PhET virtual lab android application of 69.0 with the n-Gain test of 58.6% with a difference in pretest and posttest values of 42.53.
2. Increasing students' understanding of the concept of rigid body equilibrium using the POE2WE learning model assisted by the PhET virtual lab android application is in the medium category.

#### 5.2 Suggestions

Suggestions for this research are as follows:

1. Before starting learning, students should be directed to first study or read the material so that it is easier for students to provide hypotheses and arguments at the beginning of learning.
2. We recommend that you prepare for the use of virtual lab android applications or other virtual applications such as the availability of the media used, how to use them so as to reduce the ineffective use of time.
3. In the application of this learning, various sources are also needed so that students have more references about the concepts being studied and can relate them in everyday life.