

## CHAPTER V

### CONCLUSION AND SUGGESTION

#### 5.1. Conclusion

Based on the research data that has been obtained, data analysis and hypothesis testing it can be concluded as follows:

1. Student learning outcomes with guided inquiry learning model on the material elasticity and hooke law in class XI semester 1 PONPES MAWARIDUSSALAM Deli Serdang T.P. 2019/2020 increased with an average of 23.09. It can be seen that before being given treatment - the average pretest value of 13.54 with a standard deviation of 6.86 and after being given an average treatment of a posttest value of 36.63 with a standard deviation of 9.82.
2. Student learning outcomes with conventional learning on material elasticity and hooke law in class XI semester 1 PONPES MAWARIDUSSALAM Deli Serdang T.P. 2019/2020 increased with an average of 5.32. It can be seen that before being given treatment - the average pretest value of 14.12 with a standard deviation of 5.37 and after being given an average treatment posttest value of 19.44 with a standard deviation of 7.69.
3. There is a difference due to the influence of the guided inquiry learning model on student learning outcomes in the material Elasticity and Hooke's Law in class XI semester 1 PONPES MAWARIDUSSALAM Deli Serdang T.P. 2019/2020. This is intended by comparison of the value of  $t_{count}$  of 6.43 which is greater than the  $t_{table}$  of 1.99.

## 5.2. Suggestion

Based on the results and conclusions in this study, the researcher has several suggestions, namely:

1. At the beginning of learning, the next researcher should inform students to study the material before starting learning and experimenting and explain how the steps in the learning model are applied.
2. Researchers should be good at regulating the sitting position of students appropriately so that learning can run conducive and smooth.

