

## CHAPTER V

### CONCLUSION AND SUGGESTION

Based on the analysis of the results obtained, the authors present conclusions and suggestions as follows:

#### 5.1. Conclusion

1. Learning outcomes students experiment class are given preferential treatment by using cooperative learning model type Student Teams Achievement Divisions (STAD) in Electric Dynamic subject matter in class X semester II SMA Negeri 1 Perbaungan A.Y. 2012/2013, with an average value of 34,1 pretes and average value of postes 76,56 include in the good category.
2. Learning outcomes students control class are given preferential treatment by using conventional learning model in Electric Dynamic subject matter in class X semester II SMA Negeri 1 Perbaungan A.Y. 2012/2013, with an average value of 32,94 pretes and average value of postes 70,48 include in the good category.
3. There is any effect of the model type of Cooperative Learning Student Teams Achievement Divisions (STAD) based on mind mapping on learning outcomes of students in the Dynamic Electrics subject matter class X semester II SMA Negeri 1 Perbaungan A.Y. 2012/2013.

## 5.2. Suggestion

1. The researchers want to further examine the cooperative learning model of the type Student Teams Achievement Divisions (STAD) in order to better direct the students more actively in the discussion groups.
2. The researchers want to further examine the cooperative learning model of the type Student Teams Achievement Divisions (STAD) in order to better guide students in discussion groups.
3. The researchers want to further examine the type of cooperative learning Student Teams Achievement Divisions (STAD) furthermore, in order to use the time as effectively as possible.
4. The researchers want to further examine the cooperative learning model of the type Student Teams Achievement Divisions (STAD) in order to better the conceptual of physics in the group discussion and test individual.