

## ABSTRACT

**MARULI PUTRA. The application of Cooperative Learning Model of Student Teams Achievement Division (STAD) to Improved the result of Electrical Measurement of Learning Students Class X SMK Negeri 7 Bekasi.** Supervisor Dr. Ir. Rusmono, M.Pd and Drs. Mufti Ma'sum, Mpd.

This research aims to improve the learning results of electrical measurements through the application of cooperative learning model of Student Teams Achievement Divisions (STAD). This research was conducted at SMK Negeri 7 Bekasi, in the class of X number of students with TOI, 33 people, doing research on the even semester academic year 2013/2014.

In this study using the method of Classroom Action Research conducted a total of three cycles. Each cycle consists of four stages, namely, planning, action, observation, reflection. The role of the researcher in this study as teacher and teacher observations aided by collaborators, who acted only as observers. In addition to the value of the results of the study, the data are taken at each cycle using the observation sheet teacher teaching and teacher observation sheet collaborators.

Student learning outcomes research in electrical measurements on subjects of this research through learning outcomes assessment post test is given every cycle. The results showed that an increase in the average value of the results of learning measurement electric class X TOI from the first cycle and third cycle. In cycle I, the average value of students is 76,25. In cycle II, the average value of the students was 85,62 and in cycle III the average value of students is 93,12. From the result of the implementation of the Classroom Action Research (CAR), it can be concluded that cooperative learning model type STAD can improve student learning outcomes on the electrical measurement of subjects X-grade Industrial Automation Engineering (IAE) SMK Negeri 7 Bekasi.