

THE EFFECT OF COOPERATIVE LEARNING MODEL TYPE THINK PAIR SHARE (TPS) TOWARDS STUDENT'S CRITICAL THINKING ABILITY ABOUT DYNAMICS ELECTRICITY TOPIC AT GRADE X IN SMA ASY-SYAFT'IYAH INTERNATIONAL MEDAN

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ABSTRACT

The purpose of this research was to know the level of student's critical thinking ability and it's activity between using Cooperative Learning Model Type TPS and conventional model in dynamic electricity topic at class X SMA Asy-Syafi'iyah International Medan. The type of this research is quasi-experimental which using pre-test and post-test model. The subject of this research were students' of class X-1 that consist of 30 students as experiment class and X-2 that consist of 32 students as control class of academic year 2016/2017. The objects of this research is student's critical thinking ability.

Based on the data that got the average score of pretest in experimental class is 22.43 and the average score of pretest in control class is 18.75. in normality test of experimental class of pretest that get $L_{count} < L_{table}$ ($0.110 < 0.24042$), whereas in control class $L_{count} < L_{table}$ ($0.108 < 0.24830$), so that both of classes are normal distributed. In homogeneity test of pretest of both samples there is $F_{count} < F_{table} = 0.009 < 2.38$ then the data pretest both homogeneous samples. After giving treatment in both samples, experimental class is taught by the cooperative learning model TPS type and control class is taught by conventional learning that get the result of average score in experimental class is 79.18 and the average score of control class is 74.15.

The result of one party t test of post-test that gained $t_{count} > t_{table}$ that is $1.77 > 1.67$, thus, there is difference of student's critical thinking between using cooperative learning model type Think Pair Share (TPS) with conventional learning in grade X SMA Asy-syafi'iyah International Medan.

Keywords: Think Pair Share (TPS), Student's Critical Thinking, Dynamic Electricity.