

# **The Effect of Student Teams-Achievement Divisions on Students' Academic Achievement in Teaching Physics at High School Level**

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## **Abstract**

The main purpose of this study is to study the effect of student teams-achievement divisions on students' academic achievement in teaching physics at high school level. Quantitative study was used to compare the physics achievement of students who received instruction with student teams-achievement divisions and those who did not receive it. The design used in this study was a true experimental design: posttest only control group design. For this study, (120) Grade Ten students were selected from No. (1) Basic Education High School, Insein and No. (2) Basic Education High School, Mayangone from Yangon Region by simple random sampling method. In each school, students were randomly selected and assigned to two groups; experimental and control groups. The students from the experimental group were taught by using student teams-achievement divisions and the students from the control group were taught by using formal teaching. The instrument used was a posttest. Independent samples *t*-test was used to test the hypotheses of the study. The result of this study showed that there were significant differences between students who receive instruction with student teams-achievement divisions and those who did not receive it.

**Key words:** Effect, Student teams-achievement divisions, Academic achievement, Physics

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