# PENGARUH MODEL PEMBELAJARAN KOOPERATIF TIPE *RECIPROCAL TEACHING* TERHADAP HASIL BELAJAR DAN SIKAP ILMIAH SISWA PADA MATERI EKOSISTEM DI KELAS X SMA N 19 MEDAN T.P. 2016/2017

**Benny Antoni Sinamo (NIM 4133141008)**

## ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran kooperatif tipe *reciprocal teaching* terhadap hasil belajar dan sikap ilmiah siswa pada materi ekosistem di kelas X SMA Negeri 19 Medan tahun pembelajaran 2016/2017. Jenis penelitian ini adalah *quasi* eksperimen. Untuk memperoleh data hasil belajar siswa digunakan instrumen tes berupa pilihan berganda, untuk memperoleh data sikap ilmiah digunakan instrumen non tes yang berupa angket. Populasi dalam penelitian ini adalah seluruh siswa kelas X MIA SMA Negeri 19 Medan yang terdiri atas 6 kelas dan berjumlah 196 orang. Sampel dalam penelitian ini diambil secara acak (*random sampling*) sebanyak dua kelas yaitu kelas $X_2$ yang berjumlah 30 orang dan $X_3$ yang berjumlah 31 orang, sehingga jumlah sampel dalam penelitian ini berjumlah 61 orang. Kelas $X_2$ diajar menggunakan model pebelajaran kooperatif tipe *reciprocal teaching* dan kelas $X_3$ diajar dengan metode konvensional. Pengaruh hasil belajar dan sikap ilmiah siswa diuji menggunakan uji t (dua pihak) dengan $\alpha = 0,05$. Hasil penelitian menunjukkan bahwa $t_{hitung}$ hasil belajar (postes) = 2,18 dan $t_{hitung}$ sikap ilmiah = 4,27, dan masing-masing tidak terletak antara $t_{tabel}$ = 1,981 hingga 1,981 sehingga $H_0$ ditolak sekaligus menerima $H_a$. Jadi, dapat disimpulkan bahwa ada pengaruh model pembelajaran kooperatif tipe *reciprocal teaching* terhadap hasil belajar dan sikap ilmiah siswa pada materi ekosistem di kelas X SMA Negeri 19 Medan tahun pembelajaran 2016/2017.

Kata kunci : *Reciprocal teaching*, hasil belajar, sikap ilmiah

# EFFECTS OF COOPERATIVE LEARNING MODEL TYPE RECIPROCAL TEACHING TOWARD LEARNING OUTCOMES AND SCIENTIFIC ATTITUDE OF STUDENTS ON THE ECOSYSTEM MATERIALS GRADE X OF SENIOR HIGH SCHOOL 19 MEDAN YEAR OF EDUCATION 2016/2017

**Benny Antoni Sinamo (NIM 4133141008)**

## *ABSTRACT*

*This research aimed to determine the effect of cooperative learning model reciprocal teaching on learning outcomes and student scientific attitude on ecosystems material in class X SMA Negeri 19 Medan learning year 2016/2017. The type of this research was quasi-experimental. To obtain data of student learning outcomes used instrument in the form of multiple-choice tests, to obtain data on the scientific attitude used instrument in the form of non-test questionnaires. The population in this study were all students of class X science SMA Negeri 19 Medan consisting of 6 classes and totaled 196 people. The sample in this study were drawn at random (random sampling) of two classes of class* $X_2$ *totaling 30 people and* $X_3$ *totaling 31 people, so the number of samples in this study amounted to 61 people. Class* $X_2$ *were taught using a model of cooperative learning reciprocal teaching and class* $X_3$ *were taught by conventional methods. Effect of learning outcomes and scientific attitude of students were tested using the t test (two-party) with* $\alpha = 0.05$*. The results showed that* $t_{count}$ *learning outcomes (posttest) = 2.18 and* $t_{count}$ *scientific attitude = 4.27, and each of them were not located between* $t_{table}$ *=-1,981 to 1,981 so that* $H_0$ *was rejected while accepting* $H_a$ *Thus, it can be concluded that there was influence of cooperative learning model of reciprocal teaching for learning outcomes and scientific attitude of students on the ecosystem material in class X SMA Negeri 19 Medan learning year 2016/2017.*

*Keywords : Reciprocal teaching, learning outcomes, scientific attitude*