

## ABSTRACT

**Riswan Sianturi.** NIM.8156122051. The effect of Cooperative Learning Strategy and Interest in Learning against Information, Communication and Technology (ICT)'s Learning Result of Second Class Students in Senior High School. Thesis. Postgraduate Program in Education Technology State University of Medan. 2017.

This study aims to: (1) determine the students' ICT learning result which are taught with the jigsaw cooperative learning strategy and the students' ICT learning result which are taught with the discovery cooperative learning strategy, (2) determine the ICT learning result of students who have high interest in learning and the ICT learning result of students who have low interest in learning, (3) determine the interaction between cooperative learning strategy and interest in learning of students' ICT learning result.

The study population was all second class students in Negeri 1 Tanah Jawa Senior High School and Negeri 1 Hutabayuraja in the school year 2016/2017 which was amounting to 496 students (14 classes). Sample selection is done by cluster random sampling and obtained the second class of science one students in Negeri 1 Tanah Jawa Senior High School as jigsaw cooperative learning strategy experimental group and the second class of science three students Negeri 1 Hutabayuraja as discovery cooperative learning strategy experimental group. The study used Quasi experimental research method with 2X2 factorial research design. The dependent variable was learning result, moderator variable was interest in learning and independent variable was study's strategy. This study was conducted in three phases, which were: (1) measure interest in learning by the psychological scale of interest in learning, (2) conduct learning with both learning strategies, and (3) observe the students' ICT learning result with observation instrument of ICT learning result. Data analysis technique used Two ways Analysis of Variance at significance level of  $\alpha = 0,05$  which continued with Scheffe Advanced Test.

Hypothesis testing results obtained: (1) The average value of the students' ICT learning result which are taught with the jigsaw cooperative learning strategy (56,03) was higher than the average value of the students' ICT learning result which are taught with the discovery cooperative learning strategy (51,09) with  $F_{\text{count}}(9,77) > F_{\text{table}}(3,49)$ , (2) The average value of the ICT learning result of students who have high interest in learning (56,37) was higher than the average value of the average value of the students' ICT learning result which are taught with the discovery cooperative learning strategy (50,70) with  $F_{\text{count}}(45,02) > F_{\text{table}}(3,99)$ , (3) there was interaction between learning strategy and interest in learning to the students' ICT learning result with  $F_{\text{count}}(10,005) > F_{\text{table}}(3,99)$ .

Keywords : Learning strategy, interest in learning, learning result

## ABSTRAK

**Riswan Sianturi.** NIM 8156122051. Pengaruh Strategi Pembelajaran Kooperatif dan Minat Belajar terhadap Hasil Belajar Teknologi Informasi dan Komunikasi (TIK) Siswa Kelas XI SMA. Tesis. Program Studi Teknologi Pendidikan Pascasarjana Universitas Medan. 2017.

Penelitian ini bertujuan untuk: (1) mengetahui hasil belajar TIK siswa yang dibelajarkan dengan strategi pembelajaran kooperatif tipe jigsaw dan hasil belajar TIK siswa yang dibelajarkan dengan strategi pembelajaran kooperatif tipe Discovery, (2) mengetahui hasil belajar TIK siswa yang memiliki minat belajar tinggi dan hasil belajar TIK siswa yang memiliki minat belajar rendah, (3) mengetahui adanya interaksi antara strategi pembelajaran kooperatif dan minat belajar terhadap hasil belajar TIK siswa.

Populasi penelitian ini adalah seluruh siswa kelas XI SMA Negeri 1 Tanah Jawa dan siswa kelas XI SMA Negeri 1 Hutabayuraja Tahun Pelajaran 2016/2017 yang berjumlah 496 siswa (14 kelas). Pemilihan sampel dilakukan dengan cluster random sampling dan diperoleh kelas XI IPA 1 SMA Negeri 1 Tanah Jawa sebagai kelompok eksperimen strategi pembelajaran kooperatif tipe Jigsaw dan kelas XI IPA 3 SMA Negeri 1 Hutabayuraja sebagai kelompok eksperimen strategi pembelajaran kooperatif tipe Discovery. Penelitian menggunakan metode penelitian quasi eksperimen dengan rancangan penelitian faktorial 2X2. Variabel terikat yaitu hasil belajar, variabel moderator yaitu minat belajar dan variabel bebas yaitu strategi pembelajaran. Penelitian ini dilakukan dengan tiga tahap, yaitu: (1) mengukur minat belajar dengan skala psikologi minat belajar, (2) melaksanakan pembelajaran dengan kedua strategi pembelajaran, dan (3) mengobservasi hasil belajar TIK siswa dengan instrumen observasi hasil belajar TIK. Teknik analisis data yang digunakan adalah Anava dua jalur pada taraf signifikan  $\alpha = 0,05$  yang dilanjutkan dengan uji lanjut Scheffe.

Hasil pengujian hipotesis diperoleh: (1) Nilai rata-rata hasil belajar TIK siswa yang dibelajarkan dengan strategi pembelajaran kooperatif tipe jigsaw (56,03) lebih tinggi daripada nilai rata-rata hasil belajar TIK siswa yang dibelajarkan dengan strategi pembelajaran kooperatif tipe Discovery (51,09) dengan  $F_{hitung}(9,77) > F_{tabel}(3,49)$ , (2) Nilai rata-rata hasil belajar TIK siswa yang memiliki minat belajar tinggi (56,37) lebih tinggi daripada nilai rata-rata kemampuan TIK siswa yang dibelajarkan dengan strategi pembelajaran kooperatif tipe Discovery (50,70) dengan  $F_{hitung}(45,02) > F_{tabel}(3,99)$ , (3) terdapat interaksi antara strategi pembelajaran dan minat belajar terhadap hasil belajar TIK siswa dengan  $F_{hitung}(10,005) > F_{tabel}(3,99)$ .

Kata kunci: Strategi pembelajaran, minat belajar, hasil belajar