

ABSTRAK

MURIANA. Peningkatan Kemampuan Komunikasi Dan Disposisi Matematik Siswa SMA di Kecamatan Medan Area Dengan Menggunakan Model Pembelajaran Kooperatif Tipe Grup Investigasi.

Kata Kunci: Model Pembelajaran Kooperatif Tipe Grup Investigasi, Komunikasi, Disposisi dan Kemampuan Awal Matematik.

Tujuan dari penelitian ini untuk menelaah: (1) Untuk mengetahui perbedaan peningkatan komunikasi matematik antara siswa yang diberi model pembelajaran kooperatif tipe grup investigasi dengan siswa yang diberi pembelajaran biasa, (2) Untuk mengetahui perbedaan peningkatan disposisi matematik antara siswa yang diberi model pembelajaran kooperatif tipe grup investigasi dengan siswa yang diberi pembelajaran biasa. (3) Untuk mengetahui interaksi antara pembelajaran dengan tingkat kemampuan awal (KAM) siswa terhadap peningkatan kemampuan komunikasi matematik. (4) Untuk mengetahui interaksi antara pembelajaran dengan tingkat kemampuan awal (KAM) siswa terhadap peningkatan disposisi matematis siswa. (5) bagaimana proses jawaban siswa.

Penelitian ini merupakan penelitian semi eksperimen. Populasi penelitian ini adalah siswa kelas X SMA Muhammadiyah 01 Medan dan SMA Al-Ulum Medan. Secara acak, dipilih dua kelas dari masing-masing sekolah yaitu kelas eksperimen dan kelas kontrol. Kelas eksperimen diberi perlakuan model pembelajaran kooperatif tipe grup investigasi dan kelas kontrol diberi perlakuan pembelajaran biasa. Instrumen yang digunakan terdiri dari: tes kemampuan komunikasi matematik dan skala disposisi matematik. Analisis data dilakukan dengan uji t dan anava dua jalur.

Hasil utama dari penelitian ini adalah: (1) Peningkatan kemampuan komunikasi matematik yang memperoleh model pembelajaran kooperatif tipe grup investigasi lebih baik dibandingkan siswa yang menggunakan pembelajaran biasa, (2) Tidak terdapat peningkatan disposisi matematik siswa antara siswa yang memperoleh model pembelajaran kooperatif tipe grup investigasi dan siswa yang menggunakan pembelajaran biasa (3) Tidak terdapat interaksi antara model pembelajaran dengan tingkat kemampuan awal (KAM) siswa terhadap kemampuan komunikasi siswa, (4) Tidak terdapat interaksi antara model pembelajaran dengan tingkat kemampuan awal (KAM) siswa terhadap peningkatan disposisi matematis siswa. (5) Proses jawaban siswa yang memperoleh pembelajaran grup investigasi lebih baik dari siswa yang memperoleh pembelajaran biasa.

ABSTRACT

MURIANA. The increasing of communication ability and the students mathematics disposition senior high school in Medan Area District through group investigation approach. Thesis. Medan : postgraduate study programs mathematics education state university of medan, 2013.

Keywords: grup investigation, mathematics disposition, communication.

The purposes of this study are to examine: (1) To Know the difference increasing in mathematical communication abilities of students who received group investigation approach is better than mathematical communication abilities of students who received regular learning, (2) To Know whether an increasing disposition mathematical of students who received group investigation approach is better than the ability to disposition mathematical learning of students who received regularly, (3) To Know the interaction between learning approach to the beginning ability mathematics for mathematical communication abilities (4) To Know the interaction between learning approach to the the beginning ability mathematics for disposition mathematical of students, (5) To show the answers prosesing students.

This study is a semi-experimental study. The study of population was a class X students of Private Senior High School Medan accredited A. Randomly selected two schools as research subjects, are SMA Muhammadiyah 1 Private and SMA Al-Ulum Private Medan. Then randomly selected one class from each school. Experimental classes were given Group Investigation approach to the treatment and control classes were subjected to regular learning. The instrument used consisted of: testing the ability of communication and disposition skills tests. The Data analysis was performed with t test and two-lane ANAVA.

The main results of this study is (1) the overall student learning with group investigation approach is significantly better in improving the skills of mathematical communication than students who use ordinary learning. (2) Further more the results obtained from this study is that there is no a significant difference to students an increasing in mathematical disposition of students through group investigasi approach than students who use ordinary learning. (3) From this study is also obtained the result that there is no interaction between learning approach to the beginning ability mathematics for mathematical communication of students, (4) From this study is also obtained the result that there is no interaction between learning approach to the the beginning ability mathematics for disposition mathematical of students, (5) Then, from this study is also obtained the result that there is the difference answers prosesing students.