

ABSTRAK

Muhammad Yamin. 081188730024. **Upaya Meningkatkan Komunikasi Matematika Melalui Pembelajaran Kooperatif Tipe STAD.** Tesis. Medan: Program Pascasarjana Universitas Negeri Medan, 2011.

Kata Kunci: Komunikasi Matematika, Pembelajaran Kooperatif Tipe STAD.

Tujuan dari penelitian ini: (1) Untuk mengetahui peningkatan kemampuan komunikasi matematika siswa setelah mengikuti pembelajaran kooperatif tipe STAD, (2) Untuk mengetahui aktivitas siswa dalam proses pembelajaran kooperatif tipe STAD, dan (3) Untuk mengetahui persepsi yang diberikan siswa terhadap pembelajaran kooperatif tipe STAD.

Penelitian ini merupakan Penelitian Tindakan Kelas (PTK) yang dilaksanakan di SMA Negeri 1 Bangko Pusako Jalan lintas Riau Sumut Komplek Pendidikan Pematang Ibul. Subjek penelitian adalah siswa kelas X_1 tahun pelajaran 2010/2011 sebanyak 21 orang yang terdiri dari 9 orang laki-laki dan 12 orang perempuan. Objek pada penelitian ini adalah kemampuan komunikasi matematika siswa dan strategi pembelajaran kooperatif tipe STAD.

Penelitian ini terdiri dari 2 siklus yaitu siklus I terdiri dari 3 pertemuan dan siklus II terdiri dari 3 pertemuan. Tes kemampuan komunikasi matematika siswa dilakukan di awal dan akhir setiap siklus. Adapun hasil dari penelitian ini dapat dilihat dari: (1) Hasil tes kemampuan komunikasi matematika siklus I diketahui nilai rata-rata 57,74, tuntas 12 orang, tidak tuntas 9 orang, ketuntasan klasikal 57,14%, dan peningkatan komunikasi matematika siswa berkategori rendah. (2) Hasil tes kemampuan komunikasi matematika siklus I diketahui nilai rata-rata 76,48, tuntas 19 orang, tidak tuntas 2 orang, ketuntasan klasikal 90,48%, dan peningkatan komunikasi matematika siswa berkategori sedang. (3) Pembelajaran dengan menggunakan pembelajaran kooperatif Tipe STAD dapat membuat aktivitas siswa berkategori baik dalam pembelajaran, dan (4) Pembelajaran dengan menggunakan pembelajaran kooperatif Tipe STAD dapat memberikan persepsi positif bagi siswa dalam proses pembelajaran.

ABSTRACT

Muhammad Yamin. 081188730024. Resources to Increase of Mathematics Communication by Cooperative Education Type STAD. Thesis Medan Master of Education Program University of Negeri Medan, 2011.

Key word: Mathematics Communication, Cooperative Education Type STAD

The purposes of this research are: (1) To understand the ability increase mathematic communication of students. After the following cooperative education type STAD, (2) To understand students' activity cooperative learning process type STAD, and (3) To understand perception that gives to the students for cooperative education type STAD.

This research is about students' action research (Penelitian Tindakan Kelas - PTK) was done in SMA Negeri 1 Bangko Pusako Jalan Lintas Riau Sunut Kompleks Pendidikan Pematang Ibul, of the academic years 2010/2011 the subject of the research is especially in the first class the total member of the population was 21 students, 9 boys and 12 girls. The object of the research is the student ability of mathematics communication and education strategy type STAD.

This research consists of two cycles. That is the first cycle about 3 learning process and the second is about 3 learning process. The ability mathematics communication students was done in the first and the last every cycle. The result of the research is: to increase the ability mathematic communication of student X class SMA by applied cooperative education type STAD. These research support by result of the research that is: (a) Evaluation result test mathematic communication of student at the last first cycle that 57,74; the high score 93,75 and the low score 15,63; is 12 persons as able and 9 persons as unable, and classical complete 57,14%; and (b) Results of evaluation test mathematics of student in the last second cycles total score 76,40; the high scores 92,68; and the low scores 51,22 as able 19 persons as unable, 2 persons and classical complete 90,48%; (2) Education with used cooperative education type STAD could make students ability with categories in learning process, and (3) education with used cooperative education type STAD could given positive perception to students in learning process. According to the result of the research, the research is useful for: (1) Education of mathematic with cooperative education type stad can be one of the education alternative and effective in crease ability mathematics communication of students, (2) Results of the research can be advice for the school to grow up quality in education, (3) Result of the research can be advice for the teacher in resources teacher ability in learning process so the students activity and students perception in learning process can grow up.