

## ABSTRAK

**Maria Dhalmasia Chrispina Ratu. 2017. Aktivitas dan Hasil Belajar Matematika Siswa Kelas X SMK Sanjaya Pakem Melalui Model Pembelajaran Kooperatif Tipe TGT Berbantuan Alat Peraga Tahun Ajaran 2016/2017. Skripsi. Program Studi Pendidikan Matematika. Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma Yogyakarta.**

Penelitian ini bertujuan untuk mengetahui : (1) aktivitas belajar siswa terhadap pembelajaran matematika dan (2) hasil belajar siswa terhadap pembelajaran matematika melalui model pembelajaran kooperatif tipe TGT berbantuan alat peraga pada pokok bahasan operasi pada matriks.

Penelitian ini tergolong dalam jenis penelitian deskriptif kuantitatif-kualitatif. Penelitian dilaksanakan pada bulan Februari – April 2017 pada materi operasi pada matriks. Subyek penelitian adalah siswa kelas X Administrasi Perkantoran dan X Akuntansi SMK Sanjaya Pakem tahun ajaran 2016/2017. Penelitian ini dilaksanakan dengan pembelajaran materi operasi pada matriks berbantuan alat peraga Papan Operasi Pada Matriks (POM), belajar kelompok, pelaksanaan tes hasil belajar, pengisian angket, dan wawancara. Instrumen yang digunakan dalam penelitian, meliputi instrumen pembelajaran : Rencana Pelaksanaan Pembelajaran (RPP) dan Lembar Kerja Siswa (LKS) dan instrumen pengumpulan data : lembar keterlaksanaan Rencana Pelaksanaan Pembelajaran (RPP), lembar keterlaksanaan model pembelajaran, lembar observasi aktivitas siswa, lembar kuesioner tanggapan siswa, lembar soal *games* (tes hasil belajar siswa) dan *tournaments*, dan lembar wawancara siswa.

Hasil penelitian sebagai berikut : (1) aktivitas belajar siswa selama pembelajaran matematika melalui model pembelajaran kooperatif tipe TGT berbantuan alat peraga berada pada kriteria “Tinggi (T)” pada pertemuan pertama dan berada pada kriteria “Sangat Tinggi (ST)” pada pertemuan kedua dan (2) hasil belajar siswa berdasarkan kemampuan untuk kelas X Administrasi Perkantoran dan X Akuntansi pada pembelajaran matematika melalui model pembelajaran kooperatif tipe TGT berbantuan alat peraga dari segi kuantitatif adalah : siswa berkemampuan tinggi masuk dalam kriteria “Sangat Tinggi (ST)”, siswa berkemampuan sedang masuk dalam kriteria “Tinggi (T)”, dan siswa berkemampuan rendah masuk dalam kriteria “Cukup (C)”. Sedangkan, dari segi kualitatif adalah : siswa berkemampuan tinggi masuk dalam kriteria “Sangat Tinggi (ST)”, siswa berkemampuan sedang masuk dalam kriteria “Tinggi (T)”, dan siswa berkemampuan rendah masuk dalam kriteria “Cukup (C)”.

**Kata Kunci :** Aktivitas Belajar Siswa, Hasil Belajar Siswa, Pembelajaran Kooperatif Tipe *Teams Games Tournaments* (TGT), Alat Peraga Papan Operasi Matriks (POM), Materi Operasi Pada Matriks.

## ABSTRACT

**Maria Dhalmasia Chrispina Ratu. 2017. The Activity and Student's Study Result On The Mathematics Course of Tenth Grade Students of SMK Sanjaya Pakem by Using Means of Cooperative Learning Model Type TGT With The Props' Help at The Academic Year 2016/2017. Undergraduated Thesis. Mathematics Education Study Program. Mathematics Education and Science Department, Faculty of Teacher Training and Education, Sanata Dharma University Yogyakarta.**

This research is aimed to learn about : (1) student's studying activity on mathematics course and (2) student's study result on the mathematics course by using means of cooperative learning model type TGT with the props' help on matrix operation.

This research is classified as quantitative descriptive – qualitative research. This research was done from February to April 2017 on the matrix operation. The subjects are the tenth grade office administration students and the tenth grade accounting students of SMK Sanjaya Pakem at 2016/2017 academic year. This reserach was conducted with learning material matrix operation with the operation matrix's board props', study group, the student's study result test, filling the questionnaire on the student's perspective, and the student's interview. The instruments using in this reserach, including learning instrument : Learning Practice Program and Student Worksheet and data collection instrument : observation sheet of Learning Practice Program, observation sheet of learning model, student's activity observation sheet, questionnaire on the student's perspective, question sheet of games (the student's study result test) and question sheet of tournaments, and the student's interview sheet.

The result are (1) student's activity study on mathematics course by using means of cooperative learning model type TGT with the props' help is archiving "High" criteria of the first meeting and "Very High" criteria with of the second meeting, and (2) student's result study based on ability by tenth grade office administration students and tenth grade accounting students on the mathematics course by using means of cooperative learning model type TGT with the prop's help is in "Very High" criteria for high ability student's, "High" criteria for medium ability student's, and "Sufficient" criteria for low ability student's in terms of quantitative. While, in terms of qualitative is in "Very High" criteria for high ability student's, "High" criteria for medium ability student's, and "Sufficient" criteria for low ability student's.

**Keywords** : student's studying activity, student's result study, cooperative learning model type Teams Games Tournaments (TGT), operation matrix's board props, matrix operation.