

## ABSTRAK

TRISNAWATI: Perbandingan Keefektifan Model *Quantum Teaching* dan *Cooperative Learning* tipe *Teams Games Tournament* (TGT) pada Pembelajaran Matematika Ditinjau dari Prestasi belajar dan Motivasi Belajar Siswa SMP. **Tesis. Yogyakarta: Program Pascasarjana, Universitas Negeri Yogyakarta, 2014.**

Penelitian ini bertujuan untuk mendeskripsikan keefektifan model pembelajaran (*Quantum Teaching* dan *Cooperative Learning* tipe TGT) dan membandingkan keefektifan model pembelajaran (*Quantum Teaching* dan model pembelajaran *Cooperative Learning* tipe TGT) pada pembelajaran matematika ditinjau dari aspek prestasi belajar matematika dan motivasi belajar siswa.

Penelitian ini adalah penelitian *quasi experiment* dengan desain *pretest-posttest nonequivalent group design*. Populasi penelitian ini adalah seluruh siswa kelas VIII SMP Muhammadiyah 1 Yogyakarta yang terdiri atas tujuh kelas. Dari populasi yang ada diambil sampel secara acak sebanyak dua kelas sebagai sampel penelitian, kemudian kedua kelas tersebut dipilih secara acak untuk menentukan model pembelajaran yang akan digunakan pada masing-masing kelas. Berdasarkan penentuan secara acak tersebut, siswa Kelas VIII-D belajar dengan menggunakan model *Quantum Teaching* dan siswa Kelas VIII-E belajar dengan menggunakan model *Cooperative Learning* tipe TGT. Instrumen yang digunakan untuk mengumpulkan data adalah tes prestasi belajar dan angket motivasi belajar siswa. Untuk menguji keefektifan pendekatan pembelajaran (*Quantum Teaching* dan *Cooperative Learning* tipe TGT), data dianalisis dengan menggunakan uji *one sample t-test*. Untuk membandingkan keefektifan model pembelajaran (*Quantum Teaching* dan model pembelajaran *Cooperative Learning* tipe TGT), data dianalisis dengan menggunakan MANOVA yang kemudian dilanjutkan dengan uji *t-Benferroni*.

Hasil penelitian menunjukkan bahwa model pembelajaran (*Quantum Teaching* dan *Cooperative Learning* tipe TGT) efektif dan model *Quantum Teaching* lebih efektif daripada model *Cooperative Learning* tipe TGT pada pembelajaran matematika ditinjau dari aspek prestasi belajar dan motivasi belajar siswa.

**Kata Kunci:** *Model Quantum Teaching, Model Cooperative Learning* tipe TGT, *Prestasi Belajar, Motivasi Belajar*

## ABSTRACT

TRISNAWATI: *Comparison of the Effectiveness of Quantum Teaching and Cooperative Learning Models Type Teams Games Tournament (TGT) in Mathematics' Instruction Viewed from Students' Learning Achievement and Learning Motivation in Junior High School.* **Thesis. Yogyakarta: Graduate School, Yogyakarta State University, 2014.**

This study aims to describe the effectiveness of the Quantum Teaching and Cooperative Learning type Teams Games Tournament (TGT) Models and compare the effectiveness of the Quantum Teaching models with Cooperative Learning models type Teams Games Tournament (TGT) in mathematics' instruction viewed from the students' learning achievement and learning motivation in junior high school.

This study was a quasi experimental study using the pretest-posttest nonequivalent group design. The research population was all grade VIII students, which consist of 7 classes of SMP Muhammadiyah 1 Yogyakarta. From the population, two classes were selected randomly as the research sample, then these classes were selected randomly to decide the learning model which will be used in each class. Based on these random selections, students of Class VIII-D learned through Quantum Teaching models and students of Class VIII-E learned through the Cooperative Learning models type Teams Games Tournament (TGT). The data collecting instruments consisted of a students' learning achievement test and learning motivation to questionnaires. To test the effectiveness of the Quantum Teaching and Cooperative Learning models type Teams Games Tournament (TGT), the data were analyzed using one sample t-test. Then, to compare the effectiveness of the Quantum Teaching models with Cooperative Learning models type Teams Games Tournament (TGT), the data were analyzed using MANOVA and continued using the t-Benferroni test.

The results of the study show that the Quantum Teaching and Cooperative Learning models type Teams Games Tournament (TGT) are effective and the Quantum Teaching model is more effective than the Cooperative Learning models type Teams Games Tournament (TGT) in mathematics' instruction viewed from learning achievement and students' learning motivation in junior high school.

**Keywords:** *Quantum Teaching models, Cooperative Learning models type Teams Games Tournament (TGT), Learning Achievement, learning motivation*