

## ABSTRAK

**SURATNO.** Keefektifan Pembelajaran Kooperatif Tipe *Think-Pair-Share* (TPS) dan Tipe *Jigsaw* pada Materi Bangun Ruang Sisi Lengkung Ditinjau dari Prestasi Belajar Matematika dan Karakter Siswa. **Tesis, Yogyakarta: Program Pascasarjana, Universitas Negeri Yogyakarta, 2014.**

Tujuan dari penelitian ini untuk: 1) mendeskripsikan keefektifan pembelajaran kooperatif tipe TPS dan tipe *Jigsaw* ditinjau dari prestasi belajar matematika dan karakter siswa; 2) mendeskripsikan, perbandingan keefektifan pembelajaran kooperatif tipe TPS dengan pembelajaran kooperatif tipe *Jigsaw* ditinjau dari prestasi belajar matematika dan karakter siswa pada materi bangun ruang sisi lengkung.

Penelitian merupakan penelitian eksperimen semu dengan menggunakan dua kelompok eksperimen. Populasi penelitian mencakup seluruh siswa kelas IX SMP Negeri 1 Banjarnegara yang terdiri dari delapan kelas, sedangkan sampel penelitian terdiri dari dua kelas yang dipilih secara acak. Instrumen penelitian adalah tes prestasi dalam bentuk soal uraian yang terdiri dari pretes dan pos tes. Koefisien reliabilitas  $r$  pretes = 0,785 dan *Standard Error of Measurement (SEM)* pre tes = 5,394 dan koefisien reliabilitas  $r$  postes = 0,814 dan *SEM* postes = 4,818, sedangkan angket karakter siswa dengan koefisien reliabilitas  $r$  = 0,912 dan *SEM* = 3,213. Uji normalitas data menggunakan *One-Sample Kolmogorov-Smirnov Test* dan uji homogenitas menggunakan *Box's M test* ( $\alpha = 0,05$ ). Uji F dengan *Hotelling's Trace* ( $\alpha = 0,05$ ) dilakukan untuk mengetahui beda rata-rata kedua kelas secara multivariat. Uji t dengan kriteria Bonferroni ( $\alpha = 0,05$ ) dilakukan untuk mengetahui variabel terikat mana yang membuat kedua kelas tersebut berbeda.

Hasil penelitian menunjukkan bahwa: 1) pembelajaran kooperatif tipe TPS dan tipe *Jigsaw* efektif ditinjau dari prestasi belajar matematika dan karakter siswa; 2) pembelajaran kooperatif tipe *Jigsaw* lebih efektif dibanding pembelajaran kooperatif tipe TPS ditinjau dari prestasi belajar matematika dan karakter siswa pada materi bangun ruang sisi lengkung.

Kata kunci: *Kooperatif tipe TPS, Jigsaw, prestasi, karakter siswa.*

## ABSTRACT

**SURATNO.** *The Effectiveness of Cooperative Learning Think-Pair-Share (TPS) Type and Jigsaw Type to Content curved side Seen From Mathematics Achievement and Student Character.* **Thesis, Yogyakarta: Graduate Program, Yogyakarta State University, 2014.**

The purpose of this study was to: 1) describe the effectiveness of TPS and Jigsaw cooperative learning in terms of learning achievement and the student character; 2) describe inequality TPS effectiveness of cooperative learning with Jigsaw cooperative learning in terms of learning achievement and student's character on the topic content with curved side.

The study is quasi-experimental study using two experimental groups. The population of the research includes all students of class IX SMP Negeri 1 Banjarnegara which consists of eight classes, while the sample of the study consisted of two randomly selected classes. The research instrument is the achievement test in the form of essays that consist of the pre test and post test, and a questionnaire to measure the students character. Pre-test reliability coefficient was  $r = 0.785$  and pre-test Standard Error of Measurement (SEM) = 5.394 and post test reliability coefficient was  $r = 0.814$  and post test SEM = 4.818, while the student's character questionnaire with a reliability coefficient was  $r = 0.912$  and SEM = 3.213. Normality was tested One-Sample Kolmogorov - Smirnov test and homogeneity test used Box's M test ( $\alpha = 0.05$ ). F test with Hotelling's Trace ( $\alpha = 0.05$ ) was done to determine the average difference in two classes multivariately. T test with Bonferroni criteria ( $\alpha = 0.05$ ) was conducted to determine which of the dependent variable that makes these two classes differ .

The results showed that : 1) TPS and Jigsaw cooperative learning are effective in terms of learning achievement and the student character; 2) Jigsaw cooperative learning is more effective than TPS cooperative learning in terms of learning achievement and student's character on the topic content with curved side.

**Keywords:** *Cooperative TPS type, Jigsaw type, achievement, student character.*