

## ABSTRAK

**Yoanna Ayuningtyas Putri Pribadi. 2021. Pengaruh Penerapan Model Pembelajaran Kooperatif Tipe *Think Pair Share* (TPS) Terhadap Pemahaman Konsep Matematis dan Motivasi Belajar Siswa pada Materi Bangun Ruang Sisi Datar Kelas VIII SMP Negeri 3 Kasihan Tahun Ajaran 2020/2021. Program Studi Pendidikan Matematika Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam Fakultas Keguruan dan Ilmu Pendidikan Universitas Sanata Dharma Yogyakarta.**

Kurangnya melibatkan siswa dalam kegiatan belajar mengajar mengakibatkan suatu kondisi pasif dan berdampak pada lemahnya pemahaman konsep matematis dan motivasi belajar. Diperlukan suatu model pembelajaran yang berpotensi meningkatkan pemahaman konsep matematis dan motivasi belajar siswa. Penelitian ini bertujuan untuk (1) mengetahui pengaruh penerapan model pembelajaran kooperatif tipe *Think-Pair-Share* terhadap pemahaman konsep matematis siswa pada materi bangun ruang sisi datar kelas VIII SMP Negeri 3 Kasihan tahun ajaran 2020/2021, (2) mengetahui pengaruh penerapan model pembelajaran kooperatif tipe *Think-Pair-Share* terhadap motivasi belajar siswa pada materi bangun ruang sisi datar kelas VIII SMP Negeri 3 kasihan tahun ajaran 2020/2021.

Jenis penelitian yang digunakan adalah penelitian kuantitatif dengan metode *quasi experiment* dirancang dengan *pretest-posttest non-equivalent group design*. Sampel dalam penelitian ini sebanyak 62 siswa. Teknik pengumpulan data menggunakan observasi keterlaksanaan pembelajaran, tes, dan angket. Instrumen pengambilan data menggunakan panduan observasi keterlaksanaan pembelajaran, soal tes, dan angket. Teknik pengolahan dan analisis pada data pemahaman konsep matematis dan motivasi belajar siswa menggunakan uji Ancova.

Hasil analisis pemahaman konsep matematis menunjukkan bahwa  $p = 0,00 \leq \alpha = 0,05$  dan hasil analisis motivasi belajar siswa menunjukkan bahwa  $p = 0,927 > \alpha = 0,05$ . Sehingga dapat disimpulkan bahwa (1) penerapan model pembelajaran kooperatif tipe *Think-Pair-Share* dalam pembelajaran matematika materi bangun ruang sisi datar secara signifikan berpengaruh positif terhadap pemahaman konsep matematis dan (2) penerapan model pembelajaran kooperatif tipe *Think-Pair-Share* dalam pembelajaran matematika materi bangun ruang sisi datar berpengaruh positif terhadap motivasi belajar siswa kelas VIII SMP Negeri 3 Kasihan tahun ajaran 2020/2021 namun tidak secara signifikan.

Kata Kunci: Pemahaman Konsep, Motivasi Belajar, *Think Pair Share*, Eksperimen Semu, Uji Ancova.

## ABSTRACT

*Yoanna Ayuningtyas Putri Pribadi. 2021. The Influence of the Implementation of the Cooperative Learning Model on the Think Pair Share (TPS) Understanding of Mathematical Concepts and Student Learning Motivation in the Material of Constructing Flat Side Space for Class VIII of SMP Negeri 3 Kasihan for the 2020/2021 Academic Year. Mathematics Education Study Program Department of Mathematics and Natural Sciences Education Faculty of Teacher Training and Education, Sanata Dharma University Yogyakarta.*

The lack of involving students in teaching and learning activities results in a passive condition and has an impact on the weak understanding of mathematical concepts and learning motivation. We need a learning model that has the potential to improve understanding of mathematical concepts and student motivation. This study aims to (1) determine the effect of the application of the type cooperative learning model *Think-Pair-Share* on students' understanding of mathematical concepts in class VIII flat-sided building material at SMP Negeri 3 Kasihan in the 2020/2021 academic year, (2) determine the effect of applying the learning model cooperative type *Think-Pair-Share* on students' learning motivation in the material for building flat side spaces for class VIII SMP Negeri 3 pity for the 2020/2021 school year.

The type of research used is quantitative research with a method *quasi-experimental design with a pretest-posttest non-equivalent group design*. The sample in this study was 62 students. Data collection techniques used observation of the implementation of learning, tests, and questionnaires. The data collection instrument used a learning implementation observation guide, test questions, and questionnaires. Processing and analysis techniques on data understanding of mathematical concepts and student learning motivation using the Ancova test.

The results of the analysis of the understanding of mathematical concepts show that and the results of the analysis of students' learning motivations show that. So it can be concluded that (1) the application of the type of cooperative learning model *Think-Pair-Share* in the mathematics learning of the flat-sided geometry material has a significant positive effect on understanding mathematical concepts and (2) the application of the type of cooperative learning model *Think-Pair-Share* in learning mathematics. The flat-sided space building material has a positive effect on the learning motivation of class VIII students of SMP Negeri 3 Kasihan for the 2020/2021 academic year but not significantly.

*Keywords: Understanding Of Mathematical Concepts, Learning Motivation, Think Pair Share, Quasi-Experimental, Ancova Test.*