

ABSTRAK

Yuni Samodra, NIM 4193311039 (2023). *Upaya Meningkatkan Kemampuan Pemecahan Masalah Matematis Siswa Melalui Model Kooperatif Tipe TPS Berbantuan Video Kelas VIII SMP Negeri 37 Medan*

Penelitian ini bertujuan untuk: (1) mengetahui bagaimana model kooperatif tipe think pair share berbantuan video dapat meningkatkan kemampuan pemecahan masalah matematis siswa di kelas VIII-A SMP Negeri 37 Medan. (2) mengetahui bagaimana peningkatan kemampuan pemecahan masalah matematis siswa melalui model kooperatif tipe think pair share (TPS) berbantuan video di kelas VIII-A SMP Negeri 37 Medan. Jenis Penelitian ini adalah penelitian tindakan kelas (action research). Subjek pada penelitian ini adalah siswa kelas VIII SMP Negeri 37 Medan yang berjumlah 30 siswa dan objek pada penelitian ini adalah peningkatan kemampuan pemecahan masalah matematis siswa melalui model pembelajaran kooperatif tipe think pair share (TPS) berbantuan Video pada materi Sistem Persamaan Linear Dua Variabel (SPLDV). Teknik pengumpulan data yang digunakan adalah observasi aktivitas guru dan tes kemampuan pemecahan masalah matematis siswa. Hasil penelitian menunjukkan bahwa: (1) kemampuan pemecahan masalah matematis siswa dapat meningkat setelah dilakukan pembelajaran kooperatif think-pair-share berbantuan video. Hal ini dapat dilihat dilihat dari persentase ketuntasan klasikal kemampuan pemecahan masalah matematis siswa pada tes awal sebesar 3,33% (1 siswa tuntas) meningkat menjadi 46,67% (14 siswa tuntas) pada siklus I dan meningkat kembali menjadi 86,67% (26 siswa tuntas) pada siklus II; (2) Peningkatan kemampuan pemecahan masalah matematis siswa dari sebelum diberikan pembelajaran melalui model pembelajaran think pair share berbantuan video ke siklus I termasuk dalam kategori sedang dengan nilai N-Gain 0,34. Kemudian peningkatan kemampuan pemecahan masalah matematis siswa dari pembelajaran siklus I ke siklus II termasuk dalam kategori sedang dengan nilai N-Gain 0,48. Hasil observasi guru meningkat dari siklus I ke siklus II dari 79,82% menjadi 85,08%. Dengan demikian, siswa memiliki respon positif terhadap pembelajaran melalui model think pair share berbantuan video sebagai upaya untuk meningkatkan kemampuan pemecahan masalah matematis siswa.

Kata kunci: Kemampuan pemecahan masalah, *Think Pair Share*, video.

ABSTRACT

Yuni Samudra, NIM 4193311839 (2023). Efforts to Improve Students' Mathematical Problem Solving Abilities Through Video-Assisted TPS Type Cooperative Models for Class VIII SMP Negeri 37 Medan

This research aims to: (1) find out how the video-assisted think pair share type cooperative model can improve students' mathematical problem solving abilities in class VIII-A of SMP Negeri 37 Medan. (2) find out how to improve students' mathematical problem solving abilities through a video-assisted think pair share (TPS) type cooperative model in class VIII-A of SMP Negeri 37 Medan. This type of research is classroom action research. The subjects of this research were 30 students in class VIII of SMP Negeri 37 Medan and the object of this research was increasing students' mathematical problem solving abilities through a think pair share (TPS) type cooperative learning model assisted by videos on the System of Linear Equations in Two Variables (SPLDV) material. The data collection techniques used were observing teacher activities and testing students' mathematical problem solving abilities. The research results show that: (1) students' mathematical problem solving abilities can improve after video-assisted think-pair-share cooperative learning is carried out. This can be seen from the percentage of classical completion of students' mathematical problem solving abilities in the initial test of 3.33% (1 student completed) increasing to 46.67% (14 students completed) in cycle I and increasing again to 86.67% (26 students completed) in cycle II; (2) Increased students' mathematical problem solving abilities from before they were given learning through the video-assisted think pair share learning model to cycle I, including in the medium category with an N-Gain value of 0.34. Then the increase in students' mathematical problem solving abilities from learning cycle I to cycle II is included in the medium category with an N-Gain value of 0.48. Teacher observation results increased from cycle I to cycle II from 79.82% to 85.08%. Thus, students have a positive response to learning through the video-assisted think pair share model as an effort to improve students' mathematical problem solving abilities.

Keywords: Problem solving ability, Think Pair Share, video.