

ABSTRAK

Sekar Ayunda, NIM 4171111049 (2022). Penerapan Model Pembelajaran *Discovery Learning* Berbasis *Information and Communication Technology* (ICT) untuk Meningkatkan Kemampuan Pemecahan Masalah Matematis Siswa SMP

Penelitian ini bertujuan untuk menganalisis penggunaan model pembelajaran *Discovery* berbasis *Information and Communication Technology* (ICT) dalam mengembangkan lebih lanjut kemampuan pemecahan masalah matematis siswa kelas VIII SMP Swasta Rizki Ananda, khususnya pada materi SPLDV. Penelitian ini menggunakan jenis penelitian tindakan kelas yang berlangsung selama dua siklus. Subjek pada riset ini yaitu siswa kelas VIII yang berjumlah 18 siswa. Instrumen yang digunakan adalah lembar observasi guru, lembar observasi siswa, dan tes kemampuan pemecahan masalah matematis siswa. Hasil penelitian ini menunjukkan bahwa kemampuan pemecahan masalah matematis siswa mengalami peningkatan dalam memahami masalah, memutuskan rencana penyelesaian masalah, melaksanakan rencana penyelesaian masalah, dan menarik kesimpulan. Skor tes kemampuan pemecahan masalah pada siklus I secara klasikal diperoleh 44,44% tuntas dengan rata-rata nilai 63,89, pada siklus II meningkat menjadi 88,89% dengan rata-rata nilai 76,30. Data yang telah diperoleh pada riset ini sudah memenuhi kriteria keberhasilan. Dengan demikian penelitian dihentikan. Berdasarkan hasil penelitian ini dinyatakan bahwa penerapan model *Discovery Learning* berbasis *Information and Communication Technology* (ICT) dapat meningkatkan kemampuan pemecahan masalah matematis siswa kelas VIII SMP Swasta Rizki Ananda.

Kata Kunci : Kemampuan Pemecahan Masalah, *Discovery Learning*, ICT, SPLDV



ABSTRACT

Sekar Ayunda, NIM 4171111049 (2022). Application of Discovery Learning Model based on Information and Communication Technology (ICT) to Improve Mathematical Problem Solving Skills of Junior High School Students.

This study aims to analyze the use of Discovery Learning models based on Information and Communication Technology (ICT) in further developing the mathematical problem solving skills of eighth grade students of Rizki Ananda private junior high school, especially in SPLDV material. This study used a type of classroom action research that lasted for two cycles. The subjects in this research are eighth grade students totaling 18 students. The instruments used were teacher observation sheets, student observation sheets, and tests of students' mathematical problem solving skills. The results of this study indicate that students' mathematical problem solving skills have improved in understanding problems, deciding problem solving plans, implementing problem solving plans, and drawing conclusions. Problem solving ability test scores in the first cycle classically obtained 44.44% complete with an average value of 63.89, in the second cycle increased to 88.89% with an average value of 76.30. The Data obtained in this research has met the success criteria. Thus the research was stopped. Based on the results of this study stated that the application of Discovery Learning based on Information and Communication Technology (ICT) can improve the mathematical problem solving skills of eighth grade students of Rizki Ananda Private Junior High School.

Keywords : Problem Solving, Discovery Learning, ICT, SPLDV

