

**PENERAPAN MODEL *DISCOVERY LEARNING* BERBANTUAN
SOFTWARE TRACKER UNTUK MENINGKATKAN PRESTASI
BELAJAR FISIKA SISWA KELAS XI D SMA NEGERI 1 SUKASADA**

Oleh

Desma Lora Simanjuntak, NIM. 2113021013

Program Studi Pendidikan Fisika

ABSTRAK

Penelitian tindakan kelas ini bertujuan 1) meningkatkan prestasi belajar siswa, dan 2) mendeskripsikan tanggapan siswa terhadap penerapan model *discovery learning* berbantuan *software tracker*. Subjek penelitian ini adalah seluruh siswa kelas XI D SMA Negeri 1 Sukasada, yang berjumlah 30 orang terdiri dari 14 siswa laki-laki dan 16 siswa perempuan, sedangkan objek penelitian ini adalah model *discovery learning* berbantuan *software tracker*, prestasi belajar siswa dan tanggapan siswa. Penelitian ini dilaksanakan dalam dua siklus, pada siklus I materi gerak lurus dan siklus II materi fluida statis. Instrumen data dikumpulkan melalui tes prestasi belajar fisika siswa dan angket tanggapan siswa. Data dianalisis secara analisis deskriptif. Hasil analisis data menunjukkan 1) nilai rata-rata prestasi belajar siswa pada siklus I sebesar 72,3 (SD=12,9) dan siklus II sebesar 83,5 (SD=7,3) berada pada kategori baik. 2) tanggapan siswa terhadap penerapan model *discovery learning* berbantuan *software tracker* berada pada kategori sangat positif dengan nilai rata-rata sebesar 61. Berdasarkan hasil tersebut, dapat disimpulkan bahwa penerapan model *discovery learning* dengan berbantuan *software tracker* dapat meningkatkan prestasi belajar fisika siswa kelas XI D SMA Negeri 1 Sukasada tahun pelajaran 2024/2025.

Kata Kunci: Model *discovery learning*; *software tracker*; prestasi belajar.

**APPLICATION OF THE DISCOVERY LEARNING MODEL
ASSISTED BY TRACKER SOFTWARE TO IMPROVE THE PHYSICS
LEARNING ACHIEVEMENT OF STUDENTS IN CLASS XI D AT SMA
NEGERI 1 SUKASADA**

Oleh

Desma Lora Simanjuntak, NIM. 2113021013

Program Studi Pendidikan Fisika

ABSTRACT

This classroom action research aims to 1) improve student learning achievement, and 2) describe student responses to the application of the discovery learning model assisted by software tracker. The research subjects were all 30 students in class XI D at SMA Negeri 1 Sukasada, consisting of 14 male students and 16 female students, while the research objects were the discovery learning model assisted by software tracker, student learning achievement, and student responses. This study was conducted in two cycles, with Cycle I focusing on linear motion and Cycle II on static fluids. Data were collected through physics achievement tests and student response questionnaires. The data were analyzed using descriptive analysis. The results of the data analysis showed that 1) the average academic achievement of students in Cycle I was 72.3 (SD=12.9) and in Cycle II was 83.5 (SD=7.3), both falling into the “good” category. 2) Student responses to the implementation of the discovery learning model assisted by software tracker were in the “very positive” category, with an average score of 61. Based on these results, it can be concluded that the implementation of discovery learning model assisted by software tracker can improve the physics learning achievement of grade XI D students at SMA Negeri 1 Sukasada in the 2024/2025 academic year.

Keywords: *Discovery learning model; software tracker; learning achievement.*