

ABSTRAK

Meli Hanisa Hasibuan, NIM 8226176008 (2024). Pengaruh Model Discovery Learning Berbasis Pendekatan Multirepresentasi Terhadap Kemampuan Pemecahan Masalah Siswa Pada Materi Dinamika Gerak.

Penelitian ini bertujuan untuk mengetahui pengaruh model *discovery learning* berbasis pendekatan multirepresentasi terhadap kemampuan pemecahan masalah siswa pada materi dinamika gerak. Subjek pada penelitian ini adalah siswa kelas X MAN 3 Medan. Penelitian ini menggunakan metode eksperimen dengan desain penelitian *quasi eksperiment*. Instrumen tes penelitian menggunakan 5 soal *pre-test* dan *pos-test* yang sudah divalidasi. Hasil penelitian menunjukkan bahwa terdapat pengaruh yang signifikan, hasil rata-rata kemampuan pemecahan masalah pada *pre-test* sebesar 44,32 % dan rata-rata *post-test* sebesar 71,89%, yang memberikan hasil kenaikan kemampuan pemecahan masalah terutama pada indikator *logical progression*.

Kata Kunci : *discovery learning*, multirepresentasi , pemecahan masalah,

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ABSTRACT

Meli Hanisa Hasibuan, NIM 8226176008 (2024). The Influence of the Discovery Learning Model Based on a Multirepresentation Approach on Students' Problem Solving Abilities in Motion Dynamics Material.

This research aims to determine the effect of a discovery learning model based on a multirepresentation approach on students' problem solving abilities in motion dynamics material. The subjects in this research were class X students at MAN 3 Medan. This research uses an experimental method with a quasi-experimental research design. The research test instrument uses 5 pre-test and post-test questions that have been validated. The results of the research show that there is a significant influence, the average result of problem solving ability in the pre-test is 44.32% and the average post-test is 71.89%, which results in an increase in problem solving ability, especially in the logical progression indicator.

Keyword : discovery learning, multirepresentation, problem solving,

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