

ABSTRAK

Mulyanida Salsabila. 2025. **PENGARUH MODEL PEMBELAJARAN ROPES BERBANTUAN *PROPROFS QUIZ MAKER* TERHADAP KETERAMPILAN PEMECAHAN MASALAH PESERTA DIDIK PADA MATERI VEKTOR**

Berdasarkan hasil studi pendahuluan di MAN 1 Tasikmalaya diketahui bahwa keterampilan pemecahan masalah peserta didik masih tergolong rendah dengan persentase sebesar 14,26%. Selain itu, proses pembelajaran masih didominasi oleh metode ceramah, sehingga peserta didik belum terfasilitasi untuk melatih keterampilan pemecahan masalah. Salah satu solusi yang bisa diambil untuk menyelesaikan masalah tersebut adalah menerapkan model pembelajaran *Review, Overview, Presentation, Exercise, Summary* (ROPES) berbantuan *ProProfs Quiz Maker*. Tujuan dari penelitian ini adalah untuk mengetahui pengaruh model pembelajaran ROPES berbantuan *ProProfs Quiz Maker* terhadap keterampilan pemecahan masalah peserta didik pada materi vektor di kelas XI MIPA MAN 1 Tasikmalaya tahun ajaran 2025/2026. Penelitian ini menggunakan metode quasi experimental dengan desain penelitian *the matching-only posttest-only control group design*. Populasi penelitian ini yaitu seluruh kelas XI MIPA MAN 1 Tasikmalaya, dan sampel diambil dengan teknik *purposive sampling* sebanyak dua kelas, yaitu XI MIPA 3 sebagai kelas kontrol dan XI MIPA 6 sebagai kelas eksperimen. Pengukuran kemampuan pemecahan masalah dilaksanakan melalui tes berupa tujuh soal uraian, di mana masing-masing soal merujuk pada lima indikator kemampuan pemecahan masalah yang telah divalidasi dan diuji reliabilitasnya, disertai lembar observasi pelaksanaan model. Hasil hipotesis uji t pada taraf signifikansi ($\alpha = 0,05$), diperoleh hasil $t_{hitung} (10,64) > t_{tabel} (1,99)$ sehingga H_a diterima dan H_0 ditolak. Maka dapat disimpulkan bahwa ada pengaruh model pembelajaran ROPES berbantuan *ProProfs Quiz Maker* terhadap keterampilan pemecahan masalah peserta didik pada materi vektor.

Kata kunci: ROPES, *ProProfs Quiz Maker*, keterampilan pemecahan masalah, vektor, pembelajaran fisika.

ABSTRACT

Mulyanida Salsabila. 2025. ***THE EFFECT OF THE ROPES (REVIEW, OVERVIEW, PRESENTATION, EXERCISE, SUMMARY) LEARNING MODEL ASSISTED BY PROPROFS QUIZ MAKER ON STUDENTS' PROBLEM-SOLVING SKILLS IN VECTOR MATERIAL***

Based on the preliminary study conducted at MAN 1 Tasikmalaya, it was revealed that students' problem-solving skills remain low, achieving only 14.26%. Additionally, the learning process is still dominated by the lecture method, thus students have not been adequately facilitated to develop their problem-solving abilities. One viable solution to address this issue is the implementation of the Review, Overview, Presentation, Exercise, Summary (ROPES) learning model assisted by ProProfs Quiz Maker. The objective of this research is to investigate the effect of the ROPES learning model assisted by ProProfs Quiz Maker on students' problem-solving skills in vector material for Grade XI MIPA at MAN 1 Tasikmalaya during the 2025/2026 academic year. This study employed a quasi-experimental method with the matching-only posttest-only control group design. The research population comprised all Grade XI MIPA classes at MAN 1 Tasikmalaya, with samples selected through purposive sampling consisting of two classes: XI MIPA 3 as the control class and XI MIPA 6 as the experimental class. Measurement of problem-solving skills was conducted through an essay test comprising seven questions, each referencing five validated and reliability-tested indicators of problem-solving skills, accompanied by an observation sheet for model implementation. The t-test hypothesis results at a significance level of $\alpha=0.05$ yielded $t_{\text{count}}(10,64) > t_{\text{table}}(1,99)$, thus the alternative hypothesis (H_a) was accepted and the null hypothesis (H_0) was rejected. Therefore, it can be concluded that the ROPES learning model assisted by ProProfs Quiz Maker significantly influences students' problem-solving skills in vector material.

Keywords: ROPES, ProProfs Quiz Maker, Problem-Solving Skills, Vector, Physics Learning.