ABSTRAK

Fina Aulia Ritonga, Nim 4173321019 (2024). Pengembangan Bahan Ajar Berbasis *Contextual Teaching Learning* (CTL) pada Materi Gerak Lurus untuk Siswa Kelas X di SMA N 1 lima Puluh.

Penelitian ini bertujuan untuk menghasilkan bahan ajar fisika materi gerak lurus yang layak diterapkan sebagai bahan ajar pada siswa kelas X di SMA N 1 Lima Puluh, serta untuk mengetahui respon siswa terhadap bahan ajar, dan keefektifan bahan ajar yang telah di kembangkan. Subjek dalam penelitian ini adalah siswa kelas X IPA 4 SMA N 1 Lima Puluh yang berjumlah 32 orang siswa. Jenis penelitian yang di gunakan adalah penelitian dan pengembangan *Research dan Development* (R&D) dengan model 4D. Instrument dalam penelitian ini terdiri dari angket validasi ahli materi, angket validasi ahli media, angket uji respon guru serta respon siswa terhadap bahan ajar fisika berbasis *Contextual Teaching Learning* (CTL). Berdasarkan hasil analisis data, diperoleh validasi ahli materi mendapatkan hasil rata-rata 90,67 dengan kriteria layak, validasi ahli media medapatkan hasil rata-rata 91,60 demikian juga dengan validasi praktisi pendidikan yang dilakukan oleh guru fisika mendapatkan hasil rata-rata 90,81 dengan kriteria layak. Respon siswa pada uji kelompok kecil mendapat hasil rata-rata 80,07 dengan kriteria sangat baik dan uji coba kelompok besar mendapat hasil rata-rata 83,28 dengan kriteria sangat baik. Tingkat keefektifan bahan ajar baik dengan N-Gain diperoleh rata-rata 0,67 hal ini memenuhi kriteria kelayakan sebagai bahan ajar.

Kata kunci : *Pengembangan; bahan ajar; Contextual Teaching learning (CTL); Gerak lurus*

ABSTRACT

Fina Aulia Ritonga, Nim 4173321019 (2024). Development of Contextual Teaching Learning (CTL) Based Teaching Materials on Straight Motion Material for Class X Students at SMA N 1 lima Puluh.

This study aims to produce teaching materials physics of straight motion material that is feasible to be applied as teaching materials in Class X students in SMA N 1 fifty, as well as to determine the response of students to teaching materials, and the effectiveness of teaching materials that have been developed. Subjects in this study were students of Class X IPA 4 SMA N 1 Fifty totaling 32 students. The type of research used is research and Development Research and Development (R&D) with 4D models. The instruments in this study consisted of material expert validation questionnaire, media expert validation questionnaire, teacher response test questionnaire and student response to physics-based teaching materials Contextual Teaching Learning (CTL). Based on the results of data analysis, material expert validation obtained an average result of 90.67 with feasible criteria, media expert validation obtained an average result of 91.60 as well as validation of educational practitioners conducted by physics teachers obtained an average result of 90.81 with feasible criteria. Student response to the small group test got an average result of 80.07 with very good criteria and large group trials got an average result of 83.28 with very good criteria. The level of effectiveness of teaching materials both with N-Gain obtained an average of 0.67 this meets the eligibility criteria as teaching materials.

Keywords*: Development; teaching materials; Contextual Teaching learning (CTL); Straight Motion*