

ABSTRAK

Putri, Chanthika NIM 4201121012 (2024). Pengembangan Modul Praktikum Fisika SMA Kurikulum Merdeka dengan Pendekatan Saintifik pada Materi Fluida Statis.

Penelitian ini bertujuan untuk mengembangkan modul praktikum fisika SMA kurikulum merdeka dengan pendekatan saintifik pada materi fluida statis dan menganalisis kelayakan modul praktikum ditinjau dari tingkat kelayakan, kepraktisan, dan keefektifan modul. Jenis penelitian yang digunakan adalah *Research and Development* (R&D) yang mengacu pada model ADDIE. Teknik pengumpulan data berupa angket kelayakan, angket kepraktisan dan lembar soal keefektifan modul berupa soal *pre-test* dan *post-test*. Penelitian ini dilakukan melalui tahapan analisis, desain, pengembangan, implementasi dan evaluasi. Subjek penelitian ini meliputi dua dosen fisika dan guru fisika sebagai validator, serta siswa kelas XI MIPA 1 SMA Negeri 1 Kuala. Hasil penelitian berupa tingkat kelayakan modul yang memperoleh rata-rata 92,2% dengan kategori sangat layak, tingkat kepraktisan modul memperoleh rata-rata 89,9% dengan kategori sangat praktis. Sedangkan, tingkat keefektifan modul diperoleh *N-gain* sebesar 0,70 yang menunjukkan terdapat peningkatan pada hasil belajar siswa yang dilihat dari hasil *pre-test* dan *post-test*. Tingkat keefektifan modul praktikum fisika SMA kurikulum merdeka dengan pendekatan saintifik pada materi fluida statis ini dinyatakan layak, praktis, dan efektif.

Kata kunci: Modul Praktikum, Pendekatan Saintifik, Fluida Statis.

ABSTRACT

Putri, Chanthika NIM 4201121012 (2024). Development of an Independent Curriculum High School Physics Practicum Module with a Scientific Approach to Static Fluid Material.

This study aims to develop an independent curriculum high school physics practicum module with a scientific approach to static fluid material and analyze the feasibility of practicum modules in terms of the level of feasibility, practicality, and effectiveness the module. The type of research used is the Research and Development (R&D) which refers to the ADDIE model. The data collection technique is in the form of feasibility questionnaires, practicality questionnaires, and module effectiveness questionnaires in the form of pre-test and post-test questions. This research was conducted through the stages of analysis, design, development, implementation, and evaluation. The subjects of this study included two physics lecturers and physics teachers as validators, as well as students of class XI MIPA 1 SMA Negeri 1 Kuala. The results of the study in the form of module feasibility level obtained an average of 92.2% with a very feasible category, and the module practicality level obtained an average of 89.9% with a very practical category. Meanwhile, the effectiveness level of the module obtained an N-gain of 0.70 which shows there is an increase in student learning outcomes seen from the pre-test and post-test results. The effectiveness level of the independent curriculum high school physics practicum module with a scientific approach to static fluid material is declared feasible, practical, and effective.

Keywords: Practicum Module, Scientific Approach, Static Fluid.

