ABSTRAK

Sinta Kusuma Dewi, 2025. Pengembangan Multimedia *Articulate Storyline* Berbasis *Problem Based Learning* untuk Meningkatkan Hasil Belajar Siswa. Skripsi. Program Studi Pendidikan Fisika, FKIP, UNIVERSITAS PGRI MADIUN. Pembimbing (I) Dra. Purwandari, M.M., M.Pd., (II) Farida Huriawati, S.Si., M.Si.

Penelitian ini bertujuan untuk mengembangkan multimedia berbasis *Articulate Storyline* 3 dengan pendekatan *Problem Based Learning* (PBL) guna meningkatkan hasil belajar siswa pada materi fisika. Tujuan penelitian ini meliputi: (1) mengetahui proses pengembangan multimedia berbasis *Articulate Storyline* berbasis *Problem Based Learning* terhadap hasil belajar siswa; (2) mengetahui kelayakan multimedia tersebut; (3) mengetahui respon siswa terhadap penggunaannya; serta (4) mengetahui peningkatan hasil belajar siswa setelah menggunakan multimedia. Pengembangan dilakukan melalui tahapan ADDIE, meliputi analisis, desain, pengembangan, implementasi, dan evaluasi. Hasil penelitian menunjukkan bahwa: (1) proses pengembangan multimedia berhasil dilaksanakan sesuai tahapan ADDIE dan menghasilkan produk yang interaktif serta sesuai kebutuhan pembelajaran GLBB; (2) hasil validasi oleh ahli media memperoleh tingkat kelayakan sebesar 77% (kategori layak), sedangkan validasi oleh ahli materi dan ahli soal masing-masing mencapai 96,81% dan 94% (kategori sangat layak); (3) respon siswa terhadap penggunaan multimedia mencapai 91,8% yang termasuk kategori sangat baik, menunjukkan media ini menarik, mudah digunakan, dan membantu pemahaman konsep; serta (4) uji coba kepada siswa menunjukkan peningkatan hasil belajar, dengan rata-rata nilai pre-test sebesar 71,30 meningkat menjadi rata-rata nilai post-test 80,87. Hasil penelitian ini menunjukkan bahwa penggunaan multimedia berbasis PBL mampu meningkatkan hasil belajar siswa secara signifikan dan dapat dijadikan sebagai alternatif media pembelajaran fisika yang inovatif dan efektif.

Kata Kunci: *Articulate Storyline, Hasil Belajar, Multimedia, Problem Based Learning*

ABSTRACT

Sinta Kusuma Dewi, 2025. Development of Multimedia Articulate Storyline Based on Problem Based Learning to Improve Student Learning Outcomes. Thesis. Physics Education Study Program, FKIP, PGRI MADIUN UNIVERSITY. Supervisor (I) Dra. Purwandari, M.M., M.Pd., (II) Farida Huriawati, S.Si., M.Si.

This study aims to develop multimedia based on Articulate Storyline 3 with a Problem Based Learning (PBL) approach to improve student learning outcomes in physics. The objectives of this study include: (1) knowing the process of developing multimedia based on Articulate Storyline based on Problem Based Learning on student learning outcomes; (2) knowing the feasibility of the multimedia; (3) knowing students' responses to its use; and (4) knowing the improvement in student learning outcomes after using multimedia. The development was carried out through the ADDIE stages, including analysis, design, development, implementation, and evaluation. The results of the study indicate that: (1) the multimedia development process was successfully implemented according to the ADDIE stages and produced interactive products and met the needs of GLBB learning; (2) the validation results by media experts obtained a feasibility level of 77% (feasible category), while validation by material experts and question experts reached 96.81% and 94% respectively (very feasible category); (3) students' responses to the use of multimedia reached 91.8% which is included in the very good category, indicating that this media is interesting, easy to use, and helps understanding concepts; and (4) trials on students showed an increase in learning outcomes, with an average pre-test score of 71.30 increasing to an average post-test score of 80.87. The results of this study indicate that the use of PBL based multimedia is able to significantly improve student learning outcomes and can be used as an alternative innovative and effective physics learning media.

Keywords: Articulate Storyline, Learning Outcomes, Multimedia, Problem Based Learning