

Frissenda Septrianur Marinda Karno Putri. 2026. *Pengembangan Laboratorium Virtual untuk Mata Pelajaran IPAS Materi Gaya Kelas IV SDN Wonokusumo IV/43 Surabaya*. Skripsi, Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunodjoyo Madura. Pembimbing: Ika Dian Rahmawati, S.P.d., M.Pd.

ABSTRAK

Penelitian ini bertujuan untuk; (1) mengetahui kevalidan Media Laboratorium Virtual; (2) mengetahui keefektifan Media Laboratorium Virtual; (3) mengetahui kemenarikan Media Laboratorium Virtual. Penelitian ini merupakan jenis RnD (*Research and Development*) memiliki 5 tahapan yaitu analisis, desain, pengembangan, implmentasi, dan evaluasi. Berdasarkan penilaian ahli, diperoleh persentase kevalidan rata-rata sangat valid. Keefektifan media laboratorium virtual kevalidan 86,67% dengan kategori sangat valid. Keefektifan media laboratorium virtual diperoleh dari hasil ketuntasan belajar peserta didik media laboratorium virtual 100% dengan kategori sangat emnarik, kemenarikan media laboratorium virtual diperoleh dari hasil angket guru sebesar 97,5% dan angket respon peserta didik 93,75% dengan kategori sangat menarik. Berdasarkan hasil penelitian, maka media laboratorium virtual layak digunakan dalam pembelajaran IPAS kelas IV SSN Wonokusumo IV/43 Surabaya Bab 2 Gaya Di sekitar Kita dengan kategori sangat valid, efektif dan sangat menarik

Kata Kunci: Media Laboratorium Virtual, IPAS, Gaya

Frissenda Septrianur Marinda Karno Putri. 2026. *Development of a Virtual Laboratory for the Science and Social Studies (IPAS) Subject on the Topic of Force for Grade IV Students at SDN Wonokusumo IV/43 Surabaya. Undergraduate Thesis, Elementary School Teacher Education Study Program, Faculty of Teacher Training and Education, Universitas Trunojoyo Madura. Supervisor: Ika Dian Rahmawati, S.Pd., M.Pd.*

ABSTRACT

This study aims to: (1) determine the validity of the Virtual Laboratory media; (2) determine the effectiveness of the Virtual Laboratory media; and (3) determine the attractiveness of the Virtual Laboratory media. This research is a type of R&D (Research and Development) which consists of 5 stages, namely analysis, design, development, implementation, and evaluation. Based on expert assessments, the average validity percentage obtained is highly valid. The effectiveness of the virtual laboratory media is obtained from the student learning mastery results, which reached 100%. The attractiveness of the virtual laboratory media is obtained from the teacher's response questionnaire results at 97.5% and the students' response questionnaire at 93.75%, placing it in the highly attractive category. Based on the research results, the virtual laboratory media is feasible to be used in IPAS learning for 4th-grade students at SDN Wonokusumo IV/43 Surabaya, specifically for Chapter 2 "Force Around Us," with highly valid, effective, and highly attractive categories.

Keywords: Virtual Laboratory Media, IPAS, Force.