

**PENGEMBANGAN VIDEO ANIMASI BERBASIS PENDEKATAN SAINTIFIK
MUATAN IPAS MATERI MENGUBAH BENTUK ENERGI KELAS IV
SD NEGERI 8 DAUH PURI TAHUN AJARAN 2023/2024**

Oleh

Intan Fakhriyyah, NIM 2011031292

Jurusan Pendidikan Dasar

ABSTRAK

Media pembelajaran yang dikembangkan pada penelitian ini adalah video animasi berbasis Pendekatan saintifik. Penelitian ini bertujuan untuk, 1) mendeskripsikan rancang bangun media pembelajaran video animasi berbasis pendekatan saintifik, 2) mendeskripsikan kelayakan media pembelajaran video animasi berbasis Pendekatan saintifik ditinjau dari segi isi, desain, media pembelajaran, uji perorangan, uji kelompok kecil dan penyusunan kisi-kisi soal, 3) mengetahui efektivitas media pembelajaran video animasi berbasis Pendekatan saintifik. Jenis penelitian yang dilakukan adalah penelitian pengembangan dengan menggunakan model ADDIE (*Analyze, Design, Development, Implementation, Evaluation*). Metode pengumpulan data menggunakan kuesioner, tes, dan Teknik analisis data digunakan analisis deskriptif kuantitatif dan statistic inferensial. Hasil analisis data berdasarkan penilaian menurut ahli isi/materi Pelajaran memperoleh skor 94,23% dengan kualifikasi sangat layak, ahli desain pembelajaran memperoleh skor 92,5% dengan kualifikasi sangat layak, ahli media pembelajaran memperoleh skor 91,07 dengan kualifikasi sangat layak, uji coba perorangan pada 3 orang siswa memperoleh skor 92,5% dengan kualifikasi sangat layak, dan uji coba kelompok kecil pada 9 orang siswa memperoleh skor 90,83% dengan kualifikasi sangat layak. Berdasarkan uji efektivitas menggunakan 32 siswa memperoleh hasil $t_{hitung} = 5,79$ untuk $t_{tabel} = 2,04$ $dk = 31$ dan taraf signifikansi $5\% = 2,04$. Dengan demikian, $t_{hitung} = 5,79 > t_{tabel} = 2,04$, sehingga H_0 ditolak dan H_1 diterima. Ini berarti, hasil belajar siswa pada kompetensi pengetahuan IPAS sesudah menggunakan media pembelajaran video animasi berbasis Pendekatan saintifik melebihi KKTP yang telah ditetapkan sebesar 75. Hal ini diketahui dari hasil rata-rata yang diperoleh siswa yakni 85,44. Dengan demikian dapat disimpulkan bahwa video animasi berbasis Pendekatan saintifik efektif diterapkan pada muatan IPAS materi mengubah bentuk energi kelas IV di SD Negeri 8 Dauh Puri.

Kata Kunci: Pengembangan, Video Animasi, Saintifik

**DEVELOPMENT OF ANIMATED VIDEOS BASED ON A SCIENTIFIC
APPROACH SCIENCE CONTENT MATERIALS CHANGING ENERGY FORMS
FOR CLASS IV OF PRIMARY SCHOOL NEGERI 8 DAUH PURI ACADEMIC
YEAR 2023/2024**

By

Intan Fakhriyyah, NIM 2011031292

Department of Basic Education

**ABSTRACT
ABSTRACT**

The learning media developed in this research is an animated video based on a scientific approach. This research aims to, 1) describe the design of animated video learning media based on a scientific approach, 2) describe the feasibility of animated video learning media based on a scientific approach in terms of content, design, learning media, individual testing, small group testing and grid arrangement. questions, 3) knowing the effectiveness of animated video learning media based on a scientific approach. The type of research carried out is development research using the ADDIE model (Analyze, Design, Development, Implementation, Evaluation). Data collection methods use questionnaires, tests, and data analysis techniques use quantitative descriptive analysis and inferential statistics. The results of data analysis based on assessments according to content/subject matter experts obtained a score of 94.23% with very adequate qualifications, learning design experts obtained a score of 92.5% with very appropriate qualifications, learning media experts obtained a score of 91.07 with very adequate qualifications, test Individual trials on 3 students obtained a score of 92.5% with very decent qualifications, and small group trials on 9 students obtained a score of 90.83% with very decent qualifications. Based on the effectiveness test using 32 students, the results were obtained $t_{count} = 5,79$ for $t_{table} = 2,04$ dk = 31 and significance level 5% = 2,04. Thus, $t_{count} = 5,79 > t_{table} = 2,04$, until H_0 rejected and H_1 accepted. This means that student learning outcomes in science and science knowledge competencies after using animated video learning media based on a scientific approach exceed the KKTP which has been set at 75. This is known from the average results obtained by students, namely 85.44. Thus, it can be concluded that the animated video based on a scientific approach is effectively applied to the science content on changing forms of energy in class IV at SD Negeri 8 Dauh Puri.

Keywords: *Development, Animation Video, Scientific*