

**PENGEMBANGAN VIDEO PEMBELAJARAN INTERAKTIF BERBASIS
WEBSITE H5P UNTUK MENINGKATKAN KETERAMPILAN BERPIKIR
KRITIS SISWA PADA MUATAN IPA KELAS V SEKOLAH DASAR**

Oleh

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ABSTRAK

Penelitian ini dilakukan karena ditemukannya permasalahan mengenai kurangnya pemanfaatan media pembelajaran dalam proses belajar mengajar sehingga berdampak pada rendahnya keterampilan berpikir kritis siswa kelas V Sekolah Dasar. Tujuan penelitian pengembangan ini yaitu: (1) menghasilkan rancang bangun media video pembelajaran interaktif berbasis *website* H5P, (2) menguji kevalidan media video pembelajaran interaktif berbasis *website* H5P, (3) menguji kepraktisan media video pembelajaran interaktif berbasis *website* H5P, dan (4) menguji keefektifan media video pembelajaran interaktif berbasis *website* H5P terhadap keterampilan berpikir kritis siswa kelas V Sekolah Dasar. Penelitian pengembangan ini menggunakan model ADDIE, yang terdiri dari lima tahapan, yaitu (1) *analyze*, (2) *design*, (3) *development*, (4) *implementation*, dan (5) *evaluation*. Metode pengumpulan data yang digunakan yaitu wawancara, angket, dan tes. Teknik analisis data yang digunakan yaitu analisis kualitatif dan kuantitatif. Subjek dalam penelitian ini diantaranya ahli media, ahli materi, praktisi guru, dan siswa kelas V. Hasil penelitian menunjukkan bahwa: (1) Hasil validitas memperoleh rata-rata skor ahli media sebesar 0,97 kualifikasi validitas sangat tinggi, dan rata-rata skor ahli materi sebesar 0,92 dengan kualifikasi validitas sangat tinggi, (2) Hasil tingkat kepraktisan oleh guru sebesar 3,85 dengan kualifikasi sangat tinggi dan tingkat pencapaian kepraktisan oleh siswa sebesar 4 dengan kualifikasi sangat tinggi, (3) Hasil uji efektivitas media video pembelajaran interaktif berbasis *website* H5P untuk meningkatkan keterampilan berpikir kritis menunjukkan bahwa media memiliki efektivitas yang signifikan dalam meningkatkan keterampilan berpikir kritis siswa. Sehingga, penggunaan media video pembelajaran interaktif berbasis *website* H5P pada muatan IPA topik cahaya dan sifatnya efektif untuk meningkatkan keterampilan berpikir kritis siswa kelas V Sekolah Dasar.

Kata Kunci: video pembelajaran interaktif, IPA, cahaya dan sifatnya, keterampilan berpikir kritis.

**DEVELOPMENT OF H5P WEBSITE-BASED INTERACTIVE LEARNING
VIDEOS TO IMPROVE SKILLS STUDENTS' CRITICAL THINKING
ON SCIENCE CONTENT GRADE V
ELEMENTARY SCHOOL**

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ABSTRACT

This research was conducted because of the discovery of problems regarding the lack of utilization of learning media in the teaching and learning process which impacts the low critical thinking skills of fifth-grade elementary school students. The objectives of this development research are: (1) to produce a design for interactive learning video media based on the H5P website, (2) to test the validity of interactive learning video media based on the H5P website, (3) to test the practicality of interactive learning video media based on the H5P website, and (4) to test the effectiveness of interactive learning video media based on the H5P website on the critical thinking skills of fifth-grade elementary school students. This development research uses the ADDIE model, which consists of five stages, namely (1) analysis, (2) design, (3) development, (4) implementation, and (5) evaluation. The data collection methods used are interviews, questionnaires, and tests. The data analysis techniques used are qualitative and quantitative analysis. The subjects in this study included media experts, material experts, teacher practitioners, and fifth-grade students. The results of the study showed that: (1) The validity results obtained an average media expert score of 0.97 with a very high validity qualification, and an average material expert score of 0.92 with a very high validity qualification, (2) The results of the level of practicality by teachers were 3.85 with a very high qualification and the level of practicality by students was 4 with a very high qualification, (3) The results of the test of interactive learning video media based on the H5P website to improve critical thinking skills showed that the media had significant effectiveness in improving students' critical thinking skills. Thus, the use of interactive learning video media based on the H5P website on light topic science content and its nature effectively improves the critical thinking skills of fifth-grade elementary school students.

Keywords: interactive learning videos, science, light and its properties, critical thinking skills