

**PENGEMBANGAN VIDEO PEMBELAJARAN PERKEMBANGBIAKAN  
TUMBUHAN BERBASIS *PANCA PRAMANA* PADA MUATAN IPA UNTUK  
MENSTIMULASI KETERAMPILAN BERPIKIR KRITIS SISWA KELAS  
IV SEKOLAH DASAR**

**Oleh**

**Ni Made Anggreni Nopita Sari, NIM 2111031206**

**Jurusan Pendidikan Dasar**

**ABSTRAK**

Penelitian ini dilatarbelakangi oleh rendahnya keterampilan berpikir kritis siswa kelas IV di Sekolah Dasar, terutama dalam materi IPA, serta kurang optimalnya pemanfaatan media pembelajaran di kelas. Tujuan dari penelitian ini adalah untuk: (1) mengembangkan video pembelajaran tentang perkembangbiakan tumbuhan berbasis Panca Pramana, (2) menilai validitas video pembelajaran tersebut, (3) mengukur kepraktisan penggunaan video, dan (4) mengevaluasi efektivitas video dalam meningkatkan keterampilan berpikir kritis siswa kelas IV di pelajaran IPA. Penelitian ini mengadopsi model ADDIE yang meliputi analisis, desain, pengembangan, implementasi, dan evaluasi. Pengumpulan data dilakukan melalui angket/kuesioner dan tes. Instrumen yang digunakan adalah angket dan soal tes. Hasil penelitian menunjukkan bahwa: (1) video pembelajaran perkembangbiakan tumbuhan berbasis Panca Pramana berhasil dikembangkan untuk meningkatkan keterampilan berpikir kritis siswa kelas IV di materi IPA, (2) validitas materi mencapai 0,94 dan validitas media 0,95, keduanya masuk dalam kategori sangat tinggi, (3) kepraktisan media memperoleh skor 3,9 yang termasuk kategori sangat praktis, dan (4) nilai signifikansi (2-tailed) pada uji-t adalah 0,001, yang lebih kecil dari 0,05 (taraf signifikansi 5%), menunjukkan bahwa video pembelajaran tersebut efektif dalam meningkatkan keterampilan berpikir kritis siswa kelas IV Sekolah Dasar.

**Kata Kunci :** Video pembelajaran, perkembangbiakan tumbuhan, *Panca Pramana*, keterampilan berpikir kritis.

**DEVELOPMENT OF PLANT PROPAGATION LEARNING VIDEOS BASED  
ON PANCA PRAMANA IN SCIENCE CONTENT TO STIMULATE  
CRITICAL THINKING SKILLS OF GRADE IV ELEMENTARY SCHOOL  
STUDENTS**

**By**

**Ni Made Anggreni Nopita Sari, NIM 2111031206**

**Department of Basic Education**

**ABSTRACT**

*This research is motivated by the low critical thinking skills of grade IV students in Elementary School, especially in science subject matter, and the less than optimal use of learning media in grade I. The purpose of this research is to: (1) develop a learning video about plant propagation based on Panca Pramana, (2) assess the validity of the learning video, (3) measure the practicality of using the video, and (4) evaluate the effectiveness of the video in improving critical thinking skills of grade IV students in science lessons. This research adopts the ADDIE model which includes analysis, design, development, implementation, and evaluation. Data collection is carried out through questionnaires and tests. The instruments used are questionnaires and test questions. The results of the study show that: (1) the learning video on plant propagation based on Panca Pramana was successfully developed to improve critical thinking skills of grade IV students in science material, (2) the validity of the material reached 0.94 and the validity of the media was 0.95, both of which are in the very high category, (3) the practicality of the media obtained a score of 3.9 which is in the very practical category, and (4) the significance value (2-tailed) in the t-test was 0.001, which is smaller than 0.05 (5% significance level), indicating that the learning video was effective in improving critical thinking skills of grade IV elementary school students.*

**Keywords:** *Learning videos, plant propagation, Panca Pramana, critical thinking skills.*