

**PENGEMBANGAN MEDIA PEMBELAJARAN *E-MAGAZINE* BERBASIS
PENDEKATAN SAINTIFIK PADA PEMBELAJARAN IPA MATERI SIFAT-
SIFAT CAHAYA KELAS IV SD**

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ABSTRAK

Penelitian ini bertujuan untuk menghasilkan media pembelajaran *e-magazine* berbasis pendekatan saintifik pada pembelajaran IPA materi sifat-sifat cahaya kelas IV SD. Pengembangan *e-magazine* ini menggunakan metode *Research and Development* (R&D) dengan model ADDIE yang terdiri dari lima tahapan (*Analysis, Design, Development, Implementation, dan Evaluation*). Subjek penelitian ini adalah peserta didik kelas IV SDN Rawamangun 12 Pagi. Teknik pengumpulan data dilakukan dengan observasi, wawancara, kuesioner dan *pre test post test*. Hasil penelitian berdasarkan angket uji ahli menunjukkan kelayakan *e-magazine* dengan perolehan presentase dari ahli media, materi dan bahasa berturut-turut sebesar 96,42%, 82,50% dan 95% dengan kategori sangat baik. Uji coba pengguna pada *one to one evaluation* dan *small group evaluation* memperoleh presentase berturut-turut sebesar 83,56% dan 95,72% dengan kategori sangat baik. Implementasi pada pembelajaran diperoleh peningkatan nilai rata-rata peserta didik dari 80 (*pre test*) menjadi 92 (*post test*) dan rata-rata penilaian peserta didik terhadap *e-magazine* memperoleh presentase sebesar 92% dengan kategori sangat baik. Berdasarkan hasil tersebut, dapat disimpulkan bahwa media pembelajaran *e-magazine* berbasis pendekatan saintifik ini layak digunakan pada pembelajaran IPA materi sifat-sifat cahaya kelas IV SD.

Kata kunci: Media Pembelajaran, *E-Magazine*, Pendekatan Saintifik, Sifat-sifat Cahaya

**DEVELOPMENT OF *E-MAGAZINE* LEARNING MEDIA BASED ON
SCIENTIFIC APPROACH FOR SCIENCE LEARNING MATERIAL
PROPERTIES OF LIGHT FOR 4th GRADE ELEMENTARY SCHOOL**

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ABSTRACT

This study aims to produce e-magazine learning media based on scientific approach for science learning material properties of light for 4th grade elementary school. The development of this e-magazine uses the Research dan Development (R&D) method based on the ADDIE model which consists of five stages (Analysis, Design, Development, Implementation, and Evaluation). The subjects of this study were 4th grade students at SDN Rawamangun 12 Pagi. Data collection techniques were carried out by observation, interviews, questionnaires and pre test post test. The results of the study based on expert validation questionnaires showed the feasibility of e-magazine from media, material and linguists expert with percentage gains of 96, 42%, 82,50 % and 95% so this product is included in the excellent category. The results of product trials in the one to one evaluation and small group evaluation, this product obtained a percentage of 83,56% and 95,72% in the excellent category. Implementation in learning obtained an increase in the average score of students from 80 (pre test) to 92 (post test), and the average student assessment of the e-magazine obtained a percentage of 92% in the excellent category. Based on these results, it can be concluded that the e-magazine learning media based on scientific approach is suitable to be used in science learning material on the properties of light in 4th grade elementary school.

Keywords: Learning Media, E-Magazine, Scientific Approach, Properties of Light