

**DEVELOPMENT OF QR CODE-ASSISTED POP-UP BOOK LEARNING
MEDIA BASED ON ANIMATED VIDEOS ON PLANT BODY PARTS
AND PHOTOSYNTHESIS FOR GRADE IV ELEMENTARY SCHOOL
STUDENTS**

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ABSTRACT

This research aims to produce a *QR Code-assisted pop-up book learning media* based on animated videos for grade IV elementary school students that has been tested for validity, practicality, and effectiveness in improving student learning outcomes. This development research applies non-test methods as well as tests. The non-test methods used are *rating scales* and questionnaires, while the test methods used are multiple-choice questions. The results of this study are (1) *QR Code-assisted pop-up book learning media* based on animated videos in print form containing plant body parts and photosynthesis materials, (2) *pop-up book learning media assisted by QR Code* based on animated videos is declared feasible to be seen from the results of the assessment of media experts and learning material experts who received qualifications in the very good category (3) learning media *QR Code-assisted pop-up books* based on animated videos are declared practical based on the results of assessments by users, namely by teachers and students with very good qualifications (4) the effectiveness of the use of *QR Code-assisted pop-up book media* based on animated videos is able to improve the learning outcomes of grade IV students of SD Negeri 3 Pengastulan, through the results of the t-test which shows that the acquisition of significant scores is more less than the significance level of 5%, which obtained a value of 0.00.

Keywords: *pop-up book, QR Code, animated video, learning outcomes*

**PENGEMBANGAN MEDIA PEMBELAJARAN *POP-UP BOOK*
BERBANTUAN *QR CODE* BERBASIS VIDEO ANIMASI PADA
MATERI BAGIAN TUBUH TUMBUHAN DAN FOTOSINTESIS BAGI
SISWA KELAS IV SEKOLAH DASAR**

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ABSTRAK

Penelitian ini bertujuan menghasilkan media pembelajaran *pop-up book* berbantuan *QR Code* berbasis video animasi untuk siswa kelas IV SD yang teruji validitas, kepraktisan, serta keefektivannya dalam peningkatan hasil belajar siswa. Penelitian pengembangan ini menerapkan metode non-tes serta tes. Metode non-tes yang dipakai yakni *rating scale* dan kuesioner, sedangkan metode tes yang digunakan yaitu soal pilihan ganda. Hasil penelitian ini yaitu (1) media pembelajaran *pop-up book* berbantuan *QR Code* berbasis video animasi dalam bentuk cetak memuat materi bagian tubuh tumbuhan dan fotosintesis (2) media pembelajaran *pop-up book* berbantuan *QR Code* berbasis video animasi dinyatakan layak dilihat dari hasil penilaian uji ahli media serta ahli materi pembelajaran mendapat kualifikasi kategori sangat baik (3) media pembelajaran *pop-up book* berbantuan *QR Code* berbasis video animasi dinyatakan praktis berdasarkan hasil penilaian oleh pengguna, yakni oleh guru dan siswa dengan kualifikasi sangat baik (4) efektivitas penggunaan media *pop-up book* berbantuan *QR Code* berbasis video animasi mampu dalam peningkatan hasil belajar siswa kelas IV SD Negeri 3 Pengastulan, melalui hasil uji-t yang memperlihatkan bahwa perolehan nilai signifikansi lebih kecil daripada taraf signifikansi 5% yakni memperoleh nilai 0,00.

Kata Kunci: *pop-up book*, *QR Code*, video animasi, hasil belajar.