

**PENGEMBANGAN MEDIA *POWERPOINT* INTERAKTIF
BERORIENTASI PEMBELAJARAN BERDIFERENSIASI MATERI
PECAHAN MATA PELAJARAN MATEMATIKA KELAS IV SEKOLAH
DASAR**

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ABSTRAK

Penelitian ini dilatarbelakangi oleh masih rendahnya hasil belajar peserta didik kelas IV di Sekolah Dasar terutama pada mata pelajaran matematika, selain itu pemanfaatan media pembelajaran di kelas juga masih belum optimal. Penelitian ini memiliki empat tujuan, yaitu: (1) mendeskripsikan rancang bangun media *powerpoint* interaktif berorientasi pembelajaran berdiferensiasi materi pecahan mata pelajaran matematika kelas IV Sekolah Dasar, (2) menganalisa kelayakan media *powerpoint* interaktif berorientasi pembelajaran berdiferensiasi materi pecahan mata pelajaran matematika kelas IV Sekolah Dasar, (3) menganalisa respon guru dan respon peserta didik terhadap media *powerpoint* interaktif berorientasi pembelajaran berdiferensiasi materi pecahan mata pelajaran matematika kelas IV Sekolah Dasar, (4) menganalisa efektivitas media *powerpoint* interaktif berorientasi pembelajaran berdiferensiasi materi pecahan mata pelajaran matematika kelas IV Sekolah Dasar di SD Negeri Bayung Cerik. Penelitian ini menggunakan model ADDIE yang terdiri dari: analisis, perancangan, pengembangan, implementasi, serta evaluasi. Adapun metode dalam mengumpulkan data terdiri dari metode angket/kuesioner dan metode tes. Instrumen yang digunakan adalah lembar rating scale dan lembar angket/kuisisioner. Hasil penelitian menunjukkan bahwa: (1) penelitian ini menghasilkan media *powerpoint* interaktif beroreintasi pembelajaran berdiferensiasi pada materi pecahan mata pelajaran matematika kelas IV Sekolah Dasar, (2) validitas materi yaitu 1,00 dan validitas media sebesar 0,99 dengan kualifikasi/kategori validitas sangat tinggi, (3) kepraktisan media memperoleh skor 3,9 dengan kualifikasi/kategori sangat praktis, dan (4) nilai signifikansi (2-tailed) pada uji-t sebesar 0,000, hasil tersebut menunjukkan bahwa nilai signifikansi lebih kecil dari 0,05 (taraf signifikansi 5%) atau $p < 0,05$. Sehingga media *powerpoint* interaktif efektif digunakan untuk meningkatkan hasil belajar peserta didik di kelas IV Sekolah Dasar.

Kata Kunci : Pengembangan, Media *powerpoint* interaktif, hasil belajar.

**DEVELOPMENT OF INTERACTIVE POWERPOINT MEDIA
ORIENTED TO DIFFERENTIATED LEARNING OF FRACTION
MATERIAL IN MATHEMATICS SUBJECT OF GRADE IV
ELEMENTARY SCHOOL**

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ABSTRACT

This research is motivated by the still low learning outcomes of grade IV students in Elementary Schools, especially in mathematics, in addition to the utilization of learning media in the classroom is still not optimal. This study has four objectives, namely: (1) to describe the design of interactive powerpoint media oriented towards differentiated learning of fractions in mathematics for grade IV of elementary school, (2) to analyze the feasibility of interactive powerpoint media oriented towards differentiated learning of fractions in mathematics for grade IV of elementary school, (3) to analyze teacher responses and student responses to interactive powerpoint media oriented towards differentiated learning of fractions in mathematics for grade IV of elementary school, (4) to analyze the effectiveness of interactive powerpoint media oriented towards differentiated learning of fractions in mathematics for grade IV of elementary school at Bayung Cerik State Elementary School. This study uses the ADDIE model which consists of: analysis, design, development, implementation, and evaluation. The methods for collecting data consist of the questionnaire method and the test method. The instruments used are rating scale sheets and questionnaire sheets. The results of the study indicate that: (1) this study produces interactive powerpoint media oriented towards differentiated learning on fraction material for mathematics subjects in grade IV of Elementary School, (2) the validity of the material is 1.00 and the validity of the media is 0.99 with a very high validity qualification/category, (3) the practicality of the media obtained a score of 3.9 with a very practical qualification/category, and (4) the significance value (2-tailed) in the t-test is 0.000, the results indicate that the significance value is less than 0.05 (significance level 5%) or $p < 0.05$. So that interactive powerpoint media is effectively used to improve learning outcomes for students in grade IV of Elementary School.

Keywords: Development, Interactive powerpoint media, learning outcomes.