

ABSTRAK**PENGEMBANGAN PROTOTIPE RANCANGAN PEMBELAJARAN TEMATIK MATEMATIKA MATERI PENJUMLAHAN DAN PENGURANGAN BILANGAN CACAH MENGGUNAKAN MEDIA LAGU UNTUK PESERTA DIDIK KELAS 1 SEKOLAH DASAR**

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Potensi dari penelitian ini adalah penerapan Kurikulum 2013 yang menerapkan pembelajaran tematik integratif. Materi penjumlahan dan pengurangan bilangan cacah pada mata pelajaran Matematika kelas 1 SD semester 1 yang diintegrasikan dengan Bahasa Indonesia tentang ungkapan kasih sayang dan persahabatan berdasarkan syair lagu. Masalah yang diperoleh peneliti dari hasil kuesioner kepada 23 peserta didik kelas 1 di SD Kanisius Kalasan: 76% sulit mempelajari penjumlahan dan pengurangan, 23% tidak berminat belajar penjumlahan dan pengurangan bilangan cacah, dan 81% tertarik dengan lagu dan musik. Oleh sebab itu, peserta didik membutuhkan media lagu agar mampu memahami konsep penjumlahan dan pengurangan bilangan cacah yang diintegrasikan dengan ungkapan kasih sayang dan persahabatan. Tujuan dari penelitian ini adalah menjelaskan prosedur pengembangan prototipe dan mendeskripsikan kualitas prototipe tersebut.

Prototipe ini menggunakan enam langkah pengembangan: (1) potensi dan masalah, (2) pengumpulan data, (3) desain produk, (4) validasi desain, (5) revisi desain, (6) uji coba produk. Pembuatan prototipe ini didasarkan pada kekhasan Kurikulum 2013, yaitu menekankan pendidikan karakter, pembelajaran tematik, dan pendekatan saintifik.

Prototipe divalidasi oleh ahli Matematika, ahli musik, dan guru kelas 1 Sekolah Dasar. Skor hasil validasi dari ketiga validator adalah 3,27 (rentang 1-4), sehingga prototipe tersebut dikategorikan “sangat baik” dan layak diujicobakan. Uji coba terbatas dilakukan pada 25 peserta didik kelas 1 di SD Kanisius Kalasan pada materi penjumlahan yang diintegrasikan dengan ungkapan kasih sayang berdasarkan syair lagu. Hasil uji coba menunjukkan adanya peningkatan nilai peserta didik pada materi tersebut. Berdasarkan hasil refleksi yang telah dilakukan 100% peserta didik berminat dengan media lagu yang digunakan.

Kata Kunci: penelitian dan pengembangan, prototipe rancangan pembelajaran, penjumlahan dan pengurangan bilangan cacah, lagu, Kurikulum 2013.

ABSTRACT**DEVELOPMENT OF PROTOTYPE MATHEMATICS THEMATIC LEARNING DESIGN OF ADDITION AND SUBTRACTION NUMBERS USING SONG MEDIA FOR STUDENTS CLASS 1 ELEMENTARY SCHOOL**

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The potential of this research was the implementation on Curriculum 2013 which applies integrative thematic learning. The addition and subtraction materials in the subject of Mathematics class 1 elementary school 1 semester were integrated with Indonesian subject on the material to recognize the expression of affection and friendship through the song lyric. Problems obtained by researcher of the questionnaire results to 23 learners class 1 in SD Kanisius Kalasan: 76% difficult to learn the addition and subtraction of the counting numbers until 20, 23% are not interested in learning the addition and reduction of counting, and 81% interested in the song and music. Therefore, learners need the song media to be able to understand the concept of addition and subtraction of counting numbers that were integrated with the expression of affection and friendship. The purpose of this research was to explain the prototype development procedure and to describe the quality of the prototype.

The prototype used six developmental steps that include: (1) potentials and problems, (2) data collection, (3) product design, (4) design validation, (5) design revisions, (6) product trials. The development of this prototype was based on the specificities of the Curriculum 2013, which emphasized character education, thematic learning, and scientific approach.

The prototype was validated by Mathematicians, music experts, and grade 1 elementary school teachers. The validation scores of the three validators were 3.27 (range 1-4), therefore the prototype was categorized as "excellent" and feasible tested. A limited trial were conducted on 25 students of class 1 in SD Kanisius Kalasan on the addition material that was integrated with the expression of affection through the song lyric. The results of this trial show an increase in the value of learners on this material. Based on the results of the reflection that has been done 100% of learners interested with the song media used.

Keywords: *research and development, prototype of learning design, addition and subtraction of counting numbers, songs, Curriculum 2013.*