

ABSTRAK**PENGEMBANGAN PROTOTIPE RANCANGAN PEMBELAJARAN
MATEMATIKA MATERI SUDUT KELAS IV SEKOLAH DASAR
DENGAN MENGGUNAKAN TARIAN**

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Penelitian ini diawali dengan analisis kebutuhan siswa di SD Negeri Sardonoarjo 2. Peneliti melakukan observasi dan menyebarkan angket kepada siswa kelas IV. Berdasarkan hasil angket yang telah diisi siswa yang dibagikan kepada 17 peserta didik kelas IV peneliti mendapat data 76% peserta didik mengalami kesulitan menentukan jenis-jenis sudut, 71% peserta didik mengalami kesulitan membedakan jenis-jenis sudut, 18% peserta didik mengaku tidak senang mengikuti pembelajaran matematika materi sudut dan 65% peserta didik menginginkan tarian yang dapat membantu belajar tentang matematika materi sudut. Dengan adanya kebutuhan guru maka dikembangkan prototipe rancangan pembelajaran matematika materi sudut kelas iv sekolah dasar dengan menggunakan tarian.

Tujuan Penelitian ini yaitu menguraikan proses pengembangan prototipe rancangan pembelajaran tematik Matematika materi sudut kelas IV Sekolah Dasar dengan menggunakan tarian serta menjelaskan kualitas prototipe rancangan pembelajaran tematik Matematika materi sudut kelas IV Sekolah Dasar dengan menggunakan tarian, dengan modifikasi 6 dari 10 langkah dan prosedur pengembangan penelitian Borg and Gall dalam Sugiono, yaitu: 1) Potensi dan Masalah, 2) pengumpulan Data, 3) Desain Produk, 4) Validasi Desain, 5) Revisi Desain, 6) Uji coba Produk.

Prototipe telah divalidasi oleh 4 validator ahli yaitu Dosen Ahli 1, Dosen Ahli 2, Guru Kelas IV dan Guru Tari dengan skor rata-rata yang diperoleh dari keempat validator yaitu 3,37. Sehingga prototipe ini mendapatkan kategori “Sangat Baik” dan layak untuk diuji cobakan. Namun uji coba tidak dapat dilakukan karena adanya pandemi covid-19.

Kata kunci: pengembangan, prototipe, tematik, Matematika, sudut, tarian.

ABSTRACT**THE PROTOTYPE DEVELOPMENT OF MATHEMATICS LEARNING
DESIGN
ABOUT ANGLE MATERIAL BY DANCING FOR GRADE IV OF
ELEMENTARY SCHOOL**

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This study begins with an analysis of the students' needs at SD Negeri Sardonoarjo 2. Researcher makes observation and distributes questionnaire to fourth grade students. Based on the results of the questionnaire that have been filled in by students which were distributed to 17 fourth grade students, the researcher gets data that 76% students have difficulty determining the types of angle, 71% students have difficulty distinguishing the types of angle, 18% students admit that they are not happy to follow mathematics learning for angle material and 65% students want dances that can help to learn mathematics about angle material. Therefore, With the need for teachers it is developed a prototype of mathematics learning design about angle material in the grade IV elementary school by using dance.

The purpose of this study is to describe the process of prototype development of thematic Mathematics learning design about angle material for grade IV elementary school by using dance and explain the quality of the prototype of thematic mathematics learning design for grade IV elementary school about angle material using dance, with modification 6 steps from 10 steps and procedures from development research of Borg and Gall in Sugiono, namely: 1) Potency and Problem, 2) Data Collection, 3) Product Design, 4) Design Validation, 5) Design Revision, 6) Product Testing.

The prototype has been validated by 4 expert validators, namely: Expert Lecturer 1, Expert Lecturer 2, Grade IV Teacher and Dance Teacher with the average score from the four validators 3.37. Therefore, this prototype gets "Very Good" category and deserves to be tested. However, the trial cannot be carried out because of the Covid-19 pandemic.

Keywords: development, prototype, thematic, mathematics, angle, dance.