

ABSTRAK

PENGEMBANGAN MEDIA *BADUBI* (BANDING DUA BILANGAN) UNTUK
MENINGKATKAN *WORKING MEMORY* ANAK USIA 7 TAHUN

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2023

Penelitian ini dilatarbelakangi karena pentingnya kemampuan *executive function* pada anak sekolah dasar, terutama kemampuan *working memory* yang diperlukan oleh anak agar mampu mengendalikan informasi terutama pada kemampuan berhitung, mengingat, menyimpan informasi, serta memecahkan suatu masalah dalam materi membandingkan dua bilangan. Tujuan penelitian ini adalah (1) mendeskripsikan proses pengembangan media *BADUBI* (Banding Dua Bilangan) untuk meningkatkan *working memory* anak usia 7 tahun. (2) mendeskripsikan kualitas media *BADUBI* (Banding Dua Bilangan) untuk meningkatkan *working memory* anak usia 7 tahun.

Jenis penelitian yang digunakan adalah penelitian dan pengembangan (R&D). Penelitian pengembangan melakukan enam dari sepuluh langkah menurut Borg and Gall, yaitu (1) potensi dan masalah, (2) pengumpulan data, (3) desain produk, (4) validasi desain, (5) revisi desain, dan (6) uji coba produk. Teknik pengumpulan data penelitian ini menggunakan wawancara, observasi, dan kuesioner.

Media *BADUBI* (Banding Dua Bilangan) memiliki kualitas sangat baik. Kualitas diketahui dari hasil validasi produk oleh para validator. Hasil rerata penilaian media *BADUBI* adalah 3,74, penilaian ini memiliki kriteria produk yang sangat baik. Selain itu, berdasarkan hasil angket respon siswa setelah melakukan uji coba media *BADUBI* menunjukkan hasil rerata 3,45. Berdasarkan angket respon siswa menunjukkan kriteria produk sangat baik. Berdasarkan hasil validasi serta hasil angket respon setelah uji coba produk, menunjukkan bahwa media *BADUBI* (Banding Dua Bilangan) memiliki kriteria sangat baik dan layak digunakan.

Kata Kunci: penelitian dan pengembangan, *working memory*, media *BADUBI*

ABSTRACT

***DEVELOPMENT OF BADUBI MEDIA (COMPARISON OF TWO NUMBERS) TO
IMPROVE WORKING MEMORY OF 7 YEARS OLD CHILDREN***

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2023

This research is motivated by the importance of executive function abilities in elementary school children, especially working memory skills needed by children to be able to control information, especially in the ability to count, remember, store information, and solve a problem in comparing two numbers. The aims of this study were (1) to describe the process of developing BADUBI media (Comparison of Two Numbers) to improve the working memory of children aged 7 years. (2) describes the quality of BADUBI media (Comparison of Two Numbers) to improve the working memory 7 years old children.

The type of research used is research and development (R&D). Development research carries out six of the ten steps according to Borg and Gall, namely (1) potential and problems, (2) data collection, (3) product design, (4) design validation, (5) design revision, and (6) trial product. Data collection techniques for this study used interviews, observation, and questionnaires.

BADUBI (Comparison of Two Numbers) media is of very good quality. Quality is known from the results of product validation by the validators. The average result of the BADUBI media assessment is 3.74, this assessment has very good product criteria. In addition, based on the results of the student response questionnaire after conducting the BADUBI media trial, the average result was 3.45. Based on the student response questionnaire, the product criteria were very good. Based on the results of the validation and the results of the response questionnaire after the product trial, it shows that the BADUBI media (Comparison of Two Numbers) has very good criteria and is suitable for use.

Keywords: *research and development, working memory, BADUBI media*