

**PENGEMBANGAN MEDIA *GO-BIMA* BERBASIS PEMBELAJARAN
DIFERENSIASI BERBANTUAN *DIALOPAGU* UNTUK
MENINGKATKAN PEMAHAMAN KONSEP DAN MOTIVASI BELAJAR
MATEMATIKA DI KELAS IV SEKOLAH DASAR**

ABSTRAK

Penelitian ini bertujuan untuk mengembangkan Media *GO-BIMA* Berbasis Pembelajaran Berdiferensiasi Berbantuan *DIALOPAGU* (digital, Looseparts, dan Lagu) yang valid, praktis, dan efektif untuk meningkatkan pemahaman konsep dan motivasi belajar matematika peserta didik kelas IV di sekolah dasar. Penelitian ini menggunakan model pengembangan 4D (*define, design, develop, dan disseminate*) dengan pengujian aspek validitas, kepraktisan, dan efektivitas. Uji validitas dilakukan melalui instrumen yang divalidasi oleh sembilan pakar yaitu ahli bahasa, ahli materi pembelajaran di SD, dan ahli media. Tahap uji coba kelompok kecil melibatkan sembilan peserta didik kelas IV. Uji kepraktisan melibatkan tiga guru dan sembilan puluh peserta didik Kelas IV. Uji efektivitas melibatkan enam puluh peserta didik kelas IV SD. Instrumen pengumpulan data dengan lembar tes pemahaman konsep, dan kuesioner motivasi belajar. Analisis validitas dan kepraktisan media *GO-BIMA* menggunakan formula nilai rata-rata dan analisis efektivitas media pembelajaran menggunakan uji *n-gain score*. Hasil penelitian menunjukkan bahwa (1) Media *GO-BIMA* Berbasis Pembelajaran Berdiferensiasi Berbantuan *DIALOPAGU* (digital, Looseparts, dan Lagu) telah valid dengan kriteria validitas sangat tinggi; (2) Media *GO-BIMA* Berbasis Pembelajaran Berdiferensiasi Berbantuan *DIALOPAGU* (digital, Looseparts, dan Lagu) praktis untuk diterapkan terhadap kelas IV SD; dan (3) Media *GO-BIMA* Berbasis Pembelajaran Berdiferensiasi Berbantuan *DIALOPAGU* (digital, Looseparts, dan Lagu) efektif meningkatkan pemahaman konsep dan motivasi belajar peserta didik kelas IV di SD 11 Rantau Selatan. Oleh karena itu, dapat disimpulkan media *GO-BIMA* yang dikembangkan telah memenuhi kriteria valid, praktis, dan efektif terhadap pembelajaran Matematika.

Kata Kunci: Media *GO-BIMA* , *DIALOPAGU*, Pembelajaran Berdiferensiasi, Pemahaman Konsep, Motivasi Belajar

**DEVELOPMENT OF GO-BIMA MEDIA BASED ON DIFFERENTIATED
LEARNING ASSISTED BY DIALOPAGU TO IMPROVE
UNDERSTANDING OF CONCEPTS AND MOTIVATION TO LEARN
MATHEMATICS IN GRADE 4 ELEMENTARY SCHOOL**

ABSTRACT

This research aims to develop *GO-BIMA* Media Based on Differentiated Learning Assisted by *DIALOPAGU* (digital, Looseparts, and Songs) which is valid, practical, and effective for increasing understanding of concepts and motivation to learn mathematics for fourth grade students in elementary schools. This research uses a 4D development model (define, design, develop, and disseminate) by testing aspects of validity, practicality, and effectiveness. Validity testing was carried out through instruments validated by nine experts, namely language experts, elementary school learning material experts, and media experts. The small group trial stage involved nine grade IV students. The practical test involved three teachers and ninety Class IV students. The effectiveness test involved sixty fourth grade elementary school students. Data collection instruments include concept understanding test sheets and learning motivation questionnaires. Analysis of the validity and practicality of *GO-BIMA* media uses the average value formula and analysis of the effectiveness of learning media uses the n-gain score test. The research results show that (1) *GO-BIMA* Media Based on Differentiated Learning Assisted by *DIALOPAGU* (digital, Looseparts, and Songs) is valid with very high validity criteria; (2) *GO-BIMA* Media Based on Differentiated Learning Assisted by *DIALOPAGU* (digital, Looseparts, and Songs) is practical to be applied to class IV elementary school; and (3) *GO-BIMA* Media Based on Differentiated Learning Assisted by *DIALOPAGU* (digital, Looseparts, and Songs) is effective in increasing conceptual understanding and learning motivation of class IV students at SD 11 Rantau Selatan. Therefore, it can be concluded that the *GO-BIMA* media developed has met the criteria of being valid, practical and effective for Mathematics learning.

Keywords: *GO-BIMA Media, DIALOPAGU, Mathematics, Understanding Concepts, Learning Motivation*