

ABSTRAK

Nur Hakiky (NIM 15 441 037) *Pengembangan Modul Ajar Matematika Materi Pecahan Kelas IV di Sekolah Dasar*. Dibimbing oleh Dr. Irwani Zawawi dan Iqnatia Alfiansyah, M.Pd.

Berdasarkan hasil wawancara dan observasi, ditemukan beberapa masalah yaitu minimnya pemahaman peserta didik pada mata pelajaran matematika materi pecahan serta buku ajar yang digunakan kurang memfasilitasi proses berpikir peserta didik. Penelitian ini bertujuan untuk mengembangkan modul ajar matematika materi pecahan kelas IV di Sekolah Dasar.

Penelitian pengembangan ini menggunakan tiga tahap model 4-D yang meliputi *define* (pendefinisian), *design* (perancangan), dan *develop* (pengembangan) dengan modifikasi peneliti. Subjek penelitian ini adalah peserta didik kelas IV SD Negeri Iker-Iker Geger Cerme Gresik yang berjumlah 14 peserta didik. Metode pengumpulan data yang digunakan adalah validasi, angket respon peserta didik, dan tes hasil belajar.

Berdasarkan hasil analisis data hasil validasi dan uji coba diperoleh bahwa pengembangan modul ajar matematika materi pecahan kelas IV di Sekolah Dasar menghasilkan modul ajar yang berkualitas, yaitu a) modul ajar dikategorikan sangat valid (86,25), b) modul ajar dikategorikan praktis dengan sedikit revisi, c) modul ajar dikategorikan efektif dengan persentase ketuntasan klasikal 85,71% dan persentase skor angket respon peserta didik 88,57%.

Kata kunci: *model 4-D, modul ajar matematika materi pecahan*

ABSTRACT

Nur Hakiky (NIM 15 441 037) Developing Fraction Mathematics Teaching Module for 4th Grade Students of Elementary School. Guuided by Dr. Irwani Zawawi and Iqnatia Alfiansyah, M.Pd.

Based on the result of interview and observation, it was found some problem such as the lack of students understanding mathematics especially in fraction materials and the module that used less in facilitating the students thinking process. This research aims to develop a fraction mathematics teaching module for 4th grade students of elementary school.

This developing research used three stages of the 4-D model including define, design, and develop which modified by the researcher. The research subject was 14 students of 4th grade at state elementary school of Iker-Iker Geger Cerme Gresik. The data collection method that used were validation, students response questionnaire, and learning test.

Based on the analysis result, the validation and implementation result obtained that developing fraction mathematics teaching module for 4th grade students of elementary school produce the qualified module, namely (a) the teaching module is categorized as very valid (86,25), (b) the teaching module is categorized as practical with a little revision, (c) the teaching module is categorized as effective with the percentage of classical completeness about 85,71% and the percentage of students response questionnaire score about 88,57%.

Keywords: *4-D model, mathematics teaching module fractions material*