

ABSTRAK**PENGEMBANGAN TES HASIL BELAJAR MATEMATIKA
KOMPETENSI DASAR 1.5 MENYELESAIKAN MASALAH YANG
BERKAITAN DENGAN OPERASI HITUNG, KPK DAN FPB UNTUK
SISWA KELAS V SEKOLAH DASAR**

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Penelitian ini dilakukan karena adanya potensi dan masalah yang berkaitan dengan pembuatan tes hasil belajar. Masalah yang dihadapi guru kelas adalah adanya kebutuhan dalam membuat tes hasil belajar yang berkualitas baik. Penelitian ini merupakan penelitian (R&D) yang bertujuan (1) untuk mengembangkan tes hasil belajar (2) mendeskripsikan kualitas produk tes hasil belajar untuk kompetensi dasar 1.5 menyelesaikan masalah yang berkaitan dengan Operasi Hitung, KPK dan FPB untuk siswa kelas V SD.

Prosedur pengembangan dan penelitian produk tes hasil belajar matematika ini berdasarkan modifikasi dari model Borg *and* Gall. Terdapat 10 langkah prosedur penelitian dan pengembangan yang dikemukakan oleh Borg and Gall. Penelitian dan pengembangan hanya dilakukan hingga langkah ke 7 dari 10 langkah prosedur pengembangan. Subjek pada penelitian ini adalah siswa kelas V SD N Patalan Baru dan SD N Piring yang berjumlah 60 siswa.

Hasil penelitian ini menunjukkan bahwa (1) langkah-langkah penelitian pengembangan yaitu (a) potensi dan masalah, (b) pengumpulan data, (c) desain produk, (d) validasi desain, (e) revisi desain, (f) uji coba produk, (g) revisi produk, (2) hasil analisis butir soal pada 60 butir soal tes didapatkan hasil 43 butir soal kategori valid. Hasil analisis reliabilitas soal tipe A sebesar 0,942 termasuk ke dalam kriteria sangat tinggi, soal tipe B sebesar 0,920 termasuk ke dalam kriteria sangat tinggi. Analisis daya pembeda diperoleh hasil 43 butir soal berkategori baik dan baik sekali. Analisis tingkat kesukaran pada 43 butir soal tersebut meliputi 41 soal (95,34%) sedang dan 2 soal (4,66%) mudah. Analisis pengecoh diperoleh sebanyak 18 *option* tidak berfungsi dan dilakukan telah revisi. Soal yang telah memenuhi karakteristik kualitas butir soal yang baik kemudian disusun menjadi satu dalam sebuah buku.

Kata kunci: pengembangan, tes hasil belajar, matematika, validitas, reliabilitas, daya pembeda, tingkat kesukaran, pengecoh.

ABSTRACT***THE DEVELOPMENT OF BASIC COMPETENCE'S LEARNING
1.5 RESULT TEST RESOLVE PROBLEM RELATED TO ARITHMETIC
OPERATIONS, LCM AND GCD TO THE FIFTH GRADE STUDENTS OF
ELEMENTARY SCHOOL***

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This research was conducted due to the potency and problems that related to the making of learning test result. Problem that faced by teachers was the necessities in making good quality of learning test result. This research was (R&D) research which were aimed (1) to develop study result test (2) to describe product quality of study result test for basic competency 1.5 resolve problem related to arithmetic operations Least Common Multiple (LCM) and Greatest Common Divisor (GCD) to the fifth grade students of Elementary School.

This developing and research procedures of mathematics study result test product was based on modification from Borg and Gall model. There were 10 steps of this procedure and the development that presented by Borg and Gall. The development and the research were simply conducted up to step 7 out of 10 steps of the development procedure. Subjects in this research were the 5th grade students of SD N Patalan Baru and SD N Piring to amount to 60 students.

This research results showed that (1) development research steps were (a) potency and problems, (b) data collection, (c) product design, (d) design validation, (e) design revision, (f) product experiment, (g) product revision, (2) result of question item analysis on 60 test items was obtained result of 43 items in solid category. Analysis result of question item reability type A was 0,942 that included into very high criteria, type B was 0,920 that included into very high criteria as well. Data distinguishing factor analysis were obtained result of 43 items in good and very good category. Difficulty level analysis on 43 items covered 41 questions (95,34%) were moderate, while 2 questions (4,66%) were easy. Distractor analysis were 18 options in unfunctioned and conducted that have been revised. Test item that have characteristic of good item then complied into one book.

Keywords : development, Learning Result Test, mathematics, validity, reliability, dicrimination index, item difficult, distractor.

