

**PENGEMBANGAN MODUL MATEMATIKA BERBASIS KETERAMPILAN  
4C (*CRITICAL THINKING, CREATIVITY, COLLABORATION, AND  
COMMUNICATION*) MATERI BILANGAN PECAHAN UNTUK SISWA  
KELAS IV SEKOLAH DASAR.**

**(2019)**

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**ABSTRAK**

Penelitian dan pengembangan ini bertujuan untuk menghasilkan sebuah produk bahan ajar berupa modul matematika materi pecahan berbasis keterampilan 4C untuk pembelajaran peserta didik di kelas IV Sekolah Dasar. Penelitian dan pengembangan ini menggunakan model pengembangan Rowntree yang terdiri dari tiga tahapan, yaitu perencanaan, persiapan penulisan, penulisan dan penyuntingan. Penelitian dan pengembangan ini melibatkan ahli materi, ahli bahasa, ahli media dan peserta didik kelas IV sekolah dasar. Hasil rekapitulasi validasi modul matematika berbasis keterampilan 4C pada tahap *expert review* mendapatkan nilai 94%. Pada tahap *field trial* dengan responden sebanyak 20 siswa mendapat nilai 97% yang artinya sangat baik. Oleh karena itu dapat dikatakan bahwa modul matematika berbasis keterampilan 4C materi pecahan ini valid dan sangat layak digunakan dalam pembelajaran matematika kelas IV sekolah dasar.

Kata kunci: modul, matematika, pecahan, keterampilan 4C, Rowntree

**DEVELOPMENT OF MATHEMATICS MODULE BASED ON 4C SKILLS  
(CRITICAL THINKING, CREATIVITY, COLLABORATION, AND  
COMMUNICATION) FRACTIONAL MATERIALS FOR FOURTH GRADE  
STUDENTS IN ELEMENTARY SCHOOL.**

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**ABSTRACT**

*This research and development study aims to produce a teaching material product in the form of a 4C skills-based math module with the topic of fractions for student learning in fourth grade of elementary school. This research uses a Rowntree development model consisting of three stages which namely are planning, writing preparation, writing and editing. This research involves a matter expert, a language expert, a media expert and fourth grade students. The overall result of validation towards the 4C skills-based math module at the stage of expert review reached the score of 94%. At the stage of field trial with respondents consisting of 20 students in total, it reached the score of 97% which means very good. In conclusion, the 4C skills-based math module with the topic of fractions is valid and is worth using in math-learning for fourth grade students of elementary school.*

*Keywords: module, mathematic, fraction, 4C skills, Rowntree*