

**PENGEMBANGAN MODUL BANGUN RUANG BERBASIS PENDEKATAN  
SAINTIFIK PADA PEMBELAJARAN MATEMATIKA KELAS V SEKOLAH  
DASAR  
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**ABSTRAK**

Penelitian ini bertujuan untuk menghasilkan produk bahan ajar berupa modul matematika berbasis pendekatan saintifik kelas V Sekolah Dasar Kurikulum 2013. Penelitian ini merupakan penelitian dan pengembangan (*Research and Development*) yang dilakukan dengan tiga langkah penelitian, yakni *define* (pendefinisian/analisis kebutuhan), *design* (perancangan), *development* (pengembangan). Tahap analisis kebutuhan dilakukan guna mendapatkan informasi mengenai permasalahan yang terjadi dalam pembelajaran matematika di Sekolah Dasar dan mendapatkan informasi pengetahuan tentang bahan ajar dan modul. Tahap perancangan dilakukan dengan membuat skenario produk bahan ajar berupa modul yang akan dikembangkan. Tahap pengembangan produk diawali dengan melakukan validasi ke ahli media, ahli materi, dan ahli bahasa. Kemudian, dilanjutkan dengan uji coba produk kepada siswa. Siswa yang dijadikan responden adalah 38 orang siswa kelas V SDN Jatibening Baru V Pondok Gede Bekasi. Hasil validasi ahli media menunjukkan persentase 96%, hasil validasi ahli materi menunjukkan persentase 84,4%, dan hasil validasi ahli bahasa menunjukkan persentase 85,56%. Kemudian, hasil uji coba kepada siswa pada tahap uji satu-satu menunjukkan persentase 91,11%, uji kelompok kecil menunjukkan persentase 88,67%, dan hasil uji coba lapangan/uji kelompok besar menunjukkan persentase 88,8%. Berdasarkan hasil analisis data, dapat disimpulkan bahwa produk yang dihasilkan layak digunakan, dilihat dari hasil interpretasi skor rata-rata akhir memperoleh persentase lebih dari 80%, yakni 89,09% yang berarti “sangat baik”.

Kata Kunci: Modul, bangun ruang, pendekatan saintifik.

**MODULE DEVELOPMENT OF GEOMETRY BASED ON SCIENTIFIC  
APPROACH ON MATH SUBJECT OF 5<sup>TH</sup> ELEMENTARY SCHOOL  
GRADER  
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**ABSTRACT**

*The purpose of this research is to produce a new learning material such as Math Module of 5<sup>th</sup> Elementary School Grader that is based on Scientific Approach in 2013 Curriculum. This research is a research and a development that is analyzed with three different phases, which are define (defining the analysis necessity), design (planning the research contents) and development (developing the new learning materials). The first phase is applied to get the information that related to problems during math learning process in Elementary School and to get further information of math materials and modules contents. The second phase contains the product's programs of learning materials and modules that will be developed. The previous phases lead to the last step, which is development. This phase will be started with validating the learning materials and modules to learning media expert, material expert and language expert. After validation, the materials and modules will be tested directly to the Elementary School Students. The respondents of this experiment are 38 5<sup>th</sup> grader students of SDN Jatibening Baru V Pondok Gede Bekasi. The validation results shows that the materials and modules are suitable for 5<sup>th</sup> Grader Students. The materials and modules gained 96% expediency from learning media expert, 84,4 % from material expert and 85,56% from language expert. Afterwards, the result of one-to-one evaluation to the students gained 91,11% expediency, and then the small group evaluation showed 88,67% and field test evaluation shows 88,8%. According to data analysis results, can be concluded that the material and modules product that is produced is proper to use. It can be seen from the last score average result, it is interpreted to 89,09%, which means "excellent".*

*Keywords: Module, geomety, scientific approach.*