

## ABSTRAK

**Yona, Monica Alvian. (2016). *Pengembangan Soal Ujian Akhir Semester Mata Pelajaran Matematika untuk SMP Kelas VIII*. Skripsi. Yogyakarta: Program Studi Pendidikan Matematika, Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan Universitas Sanata Dharma.**

Jenis penelitian ini adalah penelitian dan pengembangan (*R & D*). Produk yang dikembangkan dalam penelitian ini berupa perangkat soal yang dikaji dari segi kaidah penyusunan soal dan dari segi teknik analisis butir soal. Tujuan dari penelitian ini adalah mengembangkan proses pengembangan soal ujian akhir semester mata pelajaran matematika untuk SMP kelas VIII, dan mendeskripsikan kualitas pengembangan soal ujian akhir semester mata pelajaran matematika untuk SMP kelas VIII yang ditinjau dari segi kaidah penyusunan soal dan dari segi teknik analisis butir soal.

Metode yang digunakan dalam penelitian ini adalah metode penelitian dan pengembangan dari Sugiyono yang telah dimodifikasi. Teknik pengumpulan data berupa wawancara, validasi, kisi-kisi soal dan soal.

Perangkat soal yang dikembangkan dilakukan melalui proses seperti berikut: (1) Potensi dan Masalah, (2) Pengumpulan Data, (3) Desain Produk, (4) Validasi Desain, (5) Revisi Desain, (6) Uji Coba Produk pada Sampel Terbatas, (7) Revisi Desain, dan (8) Uji Coba Produk. Kualitas pengembangan soal pilihan ganda yang disusun oleh peneliti telah sesuai dengan pedoman langkah-langkah penyusunan soal menurut Azwar dan pengembangan soal uraian yang disusun oleh peneliti telah sesuai dengan pedoman penyusunan soal menurut Sudjana, sedangkan dari segi teknik analisis butir soal tingkat kesukaran soal pilihan ganda menunjukkan kategori mudah dengan presentasi 33%, kategori sedang 65%, sukar 3%, sedangkan tingkat kesukaran soal uraian menunjukkan kategori mudah dengan presentasi 100%. Daya pembeda pada soal pilihan ganda menunjukkan kategori diterima dengan presentasi 100%, sedangkan soal uraian menunjukkan kategori direvisi dengan presentasi 20% dan kategori diterima 80%. Validitas pada soal pilihan ganda menunjukkan kategori cukup dengan presentasi 63% dan kategori tinggi 38%, sedangkan soal uraian menunjukkan kategori tinggi dengan presentasi 80% dan kategori sangat tinggi 20%. Reliabilitas pada soal pilihan ganda menunjukkan kategori sangat tinggi dengan skor 0,93, sedangkan soal uraian menunjukkan kategori sangat tinggi dengan skor 0,95.

Kata Kunci : Pengembangan Soal, SMP, Matematika.

**ABSTRACT**

**Yona, Monica Alvian. (2016). The Development of Final Examination Semester Test on Mathematics Lesson for Lower Secondary School (SMP) Class VIII. A Thesis. Yogyakarta: Mathematics Education Study Program, Department of Mathematics and Saints Education, Faculty of Teachers Training and Education, Sanata Dharma University.**

This research was a research and development type (*R & D*). The product which was developed in this research was a set of equipment on question that was examined from arranging question principle aspect and analyzing question items technique aspect. The purpose of this research was to develop the process of development of final examination semester test on mathematics lesson for lower secondary school (SMP) Class VIII which was examined from arranging question principle aspect and analyzing question items technique aspect.

The method used in this research was method of research and development by Sugiyoni which had been modified. The techniques of the data collection were in interview, validation, grille of question, and question.

The learning equipment was developed which was done in these process: (1) Potential and Problem, (2) Data collection, (3) Product design, (4) Design validation, (5) Design revision, (6) Implementation on limited sample, (7) Design revision, and (8) Implementation. The quality of development in multiple choice questions which was structured by a researcher had an appropriate way with the step of structuring question norm according to Azwar and the development of question problems which was structured by a researcher had an appropriate way with the norm of structuring questions according to Surjana, meanwhile from the aspect of analyzing questions item technique, the level of difficulties for multiple choice questions was in easy category with 33%, medium category 65%, difficult with 3%, while the level of difficulties for questions problems was in easy category with 100%. The capacity of classification on multiple choice questions was in acceptable category with 100%, for question problems was in revision category with 20% and acceptable category 80%. Validation on multiple choice questions showed that it was in adequate category with 63% and 38% in advanced category, for the result of question problems was in advanced category with 80% and 20% on highest category. Reliability on multiple choice questions was in highest category with score 0,93 and for questions problems was in highest category with 0,95.

**Keywords:** Questions development, SMP, Mathematic.