

Kurnia Silvi. 2020. *Analisis Kualitas Butir Soal Penilaian Tengah Semester (PTS) Mata Pelajaran IPA Menggunakan Program Anates*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura.
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ABSTRAK

Penelitian ini bertujuan untuk mengetahui kualitas butir soal penilaian tengah semester mata pelajaran IPA ditinjau dari aspek validitas, reliabilitas, tingkat kesukaran, daya pembeda dan efektivitas pengecoh. Penelitian ini menggunakan metode kuantitatif deskriptif dengan desain penelitian *mix design* dan dilaksanakan di UPTD SMPN 1 Sepulu dengan populasi semua siswa kelas VII Tahun Ajaran 2019/2020. Sampel penelitian sebanyak 2 kelas menggunakan teknik *purposive sampling*. Instrumen yang digunakan adalah lembar soal, jawaban siswa dan wawancara. Teknik analisis data dilakukan berdasarkan hasil analisis tiap aspek butir soal meliputi validitas, reliabilitas, tingkat kesukaran, daya pembeda dan efektivitas pengecoh menggunakan program Anates. Hasil penelitian ini menunjukkan bahwa kualitas butir soal PTS ditinjau dari aspek (1) validitas soal dikategorikan baik karena memiliki soal yang valid sebesar 70%, (2) reliabilitas soal dikategorikan reliabel dengan nilai reliabilitas sebesar 0,86, (3) tingkat kesukaran soal dikategorikan kurang baik karena soal didominasi oleh soal berkategori mudah sebesar 55%, (4) daya pembeda soal dikategorikan baik karena memiliki soal yang dikategorikan cukup sebesar 25% dan baik sebesar 65%, (5) efektivitas pengecoh soal dikategorikan baik karena memiliki soal yang dikategorikan sangat baik sebesar 25% dan baik sebesar 30%.

Kata Kunci: Anates, Kualitas Butir Soal, PTS IPA.

Kurnia Silvi. 2020. *Quality Analysis of the Items on Natural Science Midterm Assessment (PTS) Using the Anates Program*. Thesis, Science Education Study Program, Faculty of Education, Trunojoyo University. Madura.
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ABSTRACT

This study aimed to determine the quality of the items on natural science midterm assessment in terms of validity, reliability, level of difficulty, distinguishing power and effectiveness of distractors. This study applied a descriptive quantitative method with a research design called mix design and was carried out at UPTD SMPN 1 Sepulu with a population of all grade VII students in 2019/2020 Academic Year. The research sample of 2 classes were selected using purposive sampling technique. The instruments used in this study were item sheets, student answers and interviews. Data analysis techniques were carried out based on the results of the analysis of each aspect of the items including validity, reliability, level of difficulty, distinguishing power and the effectiveness of distractors using the Anates program. The results of this study indicated that the quality of PTS items in terms of aspects (1) validity of the items is categorized as good because it has a valid items of 70%, (2) reliability of the items is categorized as reliable with a reliability value of 0.86, (3) the level of difficulty of the items is poor because the items dominated by easily categorized by 55%, (4) the distinguishing power of the items is categorized as good because it has 25% items which were categorized as sufficient and 45% items were good items and (5) the effectiveness of the distractors is categorized as functioning properly because it has 25% items which were categorized as very good items and 30% items were good items.

Keywords: Anates, Quality of Items, PTS of Science.