

**ANALISIS BUTIR SOAL UJIAN AKHIR SEMESTER GANJIL PADA
MATA PELAJARAN BIOLOGI KELAS XII DI SMANEGERI
1 PERCUT SEI TUANTAHUN AJARAN 2018/2019**

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui kualitas butir soal ujian akhir semester ganjil mata pelajaran biologi kelas XII di SMA Negeri 1 Percut Sei Tuan secara kuantitatif (validitas, reliabilitas, tingkat kesukaran, daya pembeda, dan efektivitas pengecoh), kualitatif (materi, konstruksi dan bahasa), dan berdasarkan ranah kognitif taksonomi Bloom. Jenis penelitian ini adalah penelitian deskriptif dengan pendekatan kuantitatif dan kualitatif. Hasil Penelitian menunjukkan: (1) Analisis secara kuantitatif untuk validitas soal, pada *multiple choice* 25% valid dan 75% tidak valid, pada soal esai 50% valid dan 50% tidak valid. Reliabilitas soal *multiple choice* 0,39 tergolong rendah dan esai 0,82 termasuk sangat tinggi. Untuk tingkat kesukaran pada *multiple choice* kategori mudah 0%, sedang 45% dan sukar 55%, pada soal esai kategori mudah 10%, sedang 90% dan sukar 0%. Untuk daya beda pada soal *multiple choice* kategori daya beda buruk 55%, cukup 15%, baik 25% dan baik sekali 5%, pada soal esai kategori buruk 0%, cukup 20%, baik 60% dan baik sekali 20%. Untuk efektifitas pengecoh pada soal *multiple choice* soal yang sangat baik 20%, baik 25%, cukup baik 25%, kurang baik 20% dan buruk 10%. (2) Analisis secara kualitatif dari aspek materi, soal sudah memenuhi syarat dimana *multiple choice* mencapai nilai 90,35% dan esai 94,98%. Dari aspek konstruksi, soal sudah memenuhi syarat dimana *multiple choice* mencapai nilai 88,85% dan esai 74,16%. Dari aspek bahasa, soal sudah memenuhi syarat dimana *multiple choice* mencapai nilai 82,47% dan esai 100%. (3) Persebaran soal berdasarkan ranah kognitif taksonomi Bloom untuk C1 (7%), C2 (30%), C3 (30%), C4 (23%), C5 (10%) dan C6 (0%).

Kata Kunci : *Analisis Butir Soal, Soal Ujian Akhir Semester, Taksonomi Bloom*



**ITEM ANALYSIS ON ODD SEMESTER FINAL EXAMINATION
AT BIOLOGY SUBJECT OF GRADE XII SMA NEGERI 1
PERCUT SEI TUAN ACADEMIC YEAR 2018/2019**

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ABSTRACT

The aims of this research is to know the quality of item from the biology final odd semester examination of class XII SMA Negeri 1 Percut Sei Tuan, that viewed from quantitative analysis (validity, realibility, difficulties, distinguish power, The effectiveness), qualitative analysis (material, construction, and language), and based on the Bloom cognitive taxonomy. This is a descriptive research with quantitative and qualitative approaches. The result showed: (1) based on validity, on the multiple choice items have 25% valid and 75% invalid, the essay items have 50% valid and 50% not valid. Based on the reliability, on the multiple choice items shows 0.39 it include low reliability and on the essay items shows 0.82 it include very high reliability. Based on the difficulty level, on the multiple choice items are 0% easy questions, 45% medium questions, 55% difficult questions and on the essay items are 10% easy questions, 90% medium questions, 0% difficult questions. Based on the differentiator power, on the multiple choice items are 55% poor category, 15% satisfactory category, 25% good category, 5% excellent category, on the essay items are 0% poor category, 20% satisfactory category, 60% good category, 20% excellent category. Based on the effectiveness of distractor are 20% very good, 25% good, 25% enough, 20% bad, and 10% very bad. (2) Qualitative analysis based on material aspect, the questions are according to the requirements where the value of multiple choice items are 90,35% and the value of essay item are 94,98%. Based on the construction aspect, the questions are according to the requirements where the value of multiple choice items are 88,85% and the value of essay item are 74,16%. Based on the language aspect, the questions are according to the requirements where the value of multiple choice items are 82,47% and the value of essay item are 100%. (3) The distribution of the cognitive aspects of the bloom's taxonomy shows C1 (7%), C2 (30%), C3 (30%), C4 (23%), C5 (10) C6 (0%).

Keywords : *items analysis, Final Semester Exam Questions, Bloom's Taxonomy*