

ABSTRAK

Herdiyanti Br Siagian, NIM 4173141030 (2017). Analisis Butir Soal Ujian Akhir Semester Ganjil Pada Mata Pelajaran Biologi Kelas XI SMA Alwashliyah 1 Medan Tahun Pembelajaran 2020/2021.

Penelitian ini bertujuan untuk mengetahui kualitas soal berdasarkan persebaran aspek kognitif taksonomi bloom, dan analisis secara kualitatif serta kuantitatif. Jenis penelitian ini adalah deskriptif dengan pendekatan kuantitatif dan kualitatif. Hasil penelitian menunjukkan (1) Persebaran aspek kognitif taksonomi bloom untuk C1 (32%), C2 (36%), C3 (16%), C4 (12%), C5 (4%), dan C6 (0%). (2) Analisis kualitatif berdasarkan aspek materi didapatkan hasil yaitu pilihan ganda 97,2% dan esai 95,5% sangat baik. Aspek konstruksi pada pilihan ganda 86,5% baik dan esai 73,3% cukup baik. Aspek bahasa didapatkan hasil pilihan ganda 94,2% dan esai 97,3 sangat baik. (3) Analisis kuantitatif didapatkan hasil pilihan ganda 55% valid dan 45% tidak valid, soal esai 80% valid dan 20% tidak valid. Reliabilitas soal pilihan ganda 0,77 tergolong tinggi dan esai 0,85 sangat tinggi. Tingkat kesukaran pada pilihan ganda kategori mudah 10%, sedang 65%, dan sukar 25%, soal esai kategori mudah 0%, sedang 80%, dan sukar 20%. Untuk daya beda pada pilihan ganda kategori jelek 5 %, cukup 45%, baik 35%, dan sangat baik 15%, pada soal esai kategori jelek 20%, cukup 0%, baik 80%, dan sangat baik 0%. Efektivitas pengecoh yang berfungsi sangat baik 15%, baik 25%, cukup baik 40%, kurang baik 15%, dan tidak baik 5%.

Kata kunci: Analisis Butir Soal, Ujian Akhir Semester, Biologi



ABSTRACT

Herdiyanti Br Siagian, NIM 4173141030 (2017). Analysis of Odd Semester Final Exam Questions in Biology Subject Class XI SMA Alwashliyah 1 Medan for the 2020/2021 Academic Year.

This study aims to determine the quality of the questions based on the distribution of cognitive aspects of Bloom's taxonomy, qualitative and quantitative analysis. This type of research is descriptive with quantitative and qualitative approaches. The results showed (1) The distribution of cognitive aspects of bloom taxonomy for C1 (32%), C2 (36%), C3 (16%), C4 (12%), C5 (4%), and C6 (0%). (2) Qualitative analysis based on the material aspect, the results were multiple choice 97.2% and essay 95.5%. The construction aspect in multiple choice is 86,5% good and essay 73.3% good enough. The language aspect got 94.2% multiple choice and 97.3% essays. (3) Quantitative analysis obtained multiple choice results 55% valid and 45% invalid, essay 80% valid and 20% invalid. The reliability of multiple choice 0.77 is high and 0.85 essays are very high. The difficulty level of multiple choice categories is easy 10%, moderate 65%, and difficult 25%, essay in the easy category 0%, moderate 80%, and difficult 20%. For discrimination power of multiple choice the bad category is 5%, good enough 45%, good 35%, and very good 15%, on essay in the bad category 20%, good enough 0%, good 80%, and very good 0%. The effectiveness of a distractor that functions very good is 15%, good 25%, good enough 40%, not good 15%, and bad 5%.

Key words: *Item Analysis, Final Semester Exam, Biology*

