ANALISIS KUALITAS BUTIR SOAL UJIAN AKHIR SEMESTER GANJIL PADA MATA PELAJARAN BIOLOGI KELAS X DAN UJIAN NASIONAL TAHUN 2011 - 2016 SMAN DAN MAN DI KOTA MEDAN

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui kualitas soal Ujian Akhir Semester Ganjil Mata Pelajaran Biologi Kelas X Tahun Ajaran 2016/2017 dan soal Ujian Nasional Tahun 2011-2016 berdasarkan validitas soal, reliabilitas soal, daya pembeda soal, taraf kesukaran soal, dan ranah kognitif Taksonomi Blomm. Metode yang digunakan berdasarkan uji coba butir soal pilihan ganda kepada 136 siswa MAN 1 Medan. Hasil penelitian berdasarkan kemampuan siswa menjawab soal-soal tersebut adalah: (1) Dari 122 Soal UAS yang berasal dari 2 SMAN dan 2 MAN diperoleh 44% soal UAS tersebut yang tergolong valid, dan untuk soal UN dari 20 soal enam tahun terakhir diperoleh sebanyak 85%. (2) Tingkat reliabilitas dari 122 soal UAS sebesar 0. 33 dan soal UN sebesar 0. 41. Ini berarti keseluruhan soal belum reliabel. (3) Rata-rata daya beda soal UAS dari 122 soal diperoleh 49% yang tergolong kurang baik. Untuk soal UN rata-rata tergolong cukup dengan hasil 55%. (4) Rata-rata tingkat kesukaran soal UAS tergolong sedang dengan nilai persentase 51%. Begitu pula dengan soal UN dengan nilai persentase 70%. Hanya saja proporsi untuk setiap tingkat kesukaran soal belum proporsional. Karena mayoritas soal termasuk kategori sukar. (5) dari hasil ranah kognitif Taksonomi Bloom untuk soal UAS di peroleh C1 sebanyak 54% dan untuk soal UN juga sama sebanyak 50%. Maka dari hasil uji coba yang telah dilakukan dapat disimpulkan bahwa soal UAS lebih sulit dijawab siswa dibandingkan soal UN, akan tetapi soal UN tergolong soal yang baik dan valid.

Kata Kunci: Kualitas soal, Soal UAS Ganjil, dan Soal UN.

QUALITY ANALYSIS PROBLEMS OUT OF SEMESTER END OF THE ODD IN THE EYE
OF CLASS BIOLOGY LITERARY X AND NATIONAL TEST OF YEAR 2011 - 2016
SMAN AND MAN IN THE MEDAN CITY

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ABSTRACT

This study aims to determine the quality of the final exam Odd Semester Biology Subject Class X Year Teaching Year 2016/2017 and about the National Examination Year 2011-2016 based on the validity of the problem, the reliability of the problem, the differentiation of the problem, the degree of difficulty of the problem, and the cognitive domain of Blomm Taxonomy. The method used is based on multiple item selection test to 136 MAN 1 Medan students. The results of the study based on students' ability to answer the questions are: (1) From 122 Problems UAS derived from 2 SMAN and 2 MAN obtained 44% about UAS is classified as valid, and for the problem of the UN of 20 questions the last six years obtained as many as 85 %. (2) The level of reliability of 122 UAS problem of 0.33 and the question of the UN of 0.41. This means that the whole question has not been reliable. (3) The average power difference about UAS from 122 questions obtained 49% which is classified as less good. For the matter of the average UN is quite enough with the results of 55%. (4) The average level of difficulty about UAS is moderate with the percentage of 51%. Similarly, the matter of the UN with a percentage of 70%. It's just that the proportion for each problem level is not yet proportional. Because the majority of questions are difficult categories. (5) from the cognitive domain of Bloom's Taxonomy for UAS in obtaining C1 as much as 54% and for the same UN question as much as 50%. So from the results of experiments that have been done can be concluded that the UAS problem is more difficult to answer students than the UN, but the problem of UN pertained good and valid.

Keywords: Problem quality, UAS Odd Problem, and UN Problem.