

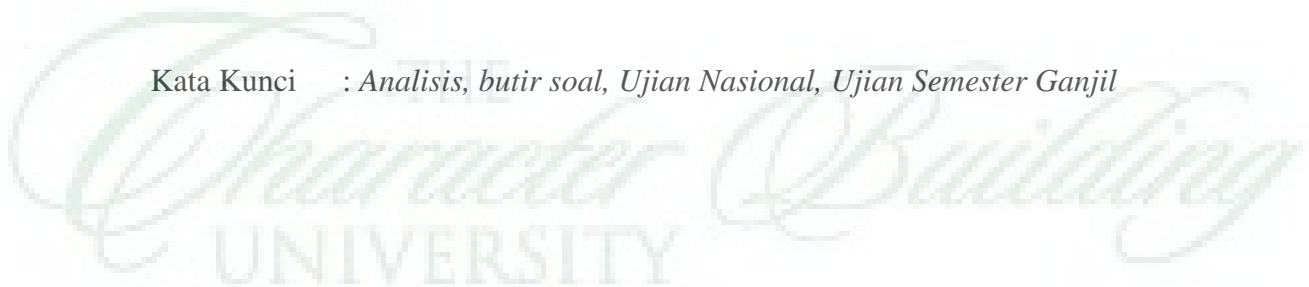
**ANALISIS BUTIR SOAL DAN KEMAMPUAN SISWA DALAM MENJAWAB
TES UJIAN NASIONAL DAN UJIAN AKHIR SEMESTER GANJIL
PADA MATA PELAJARAN BIOLOGI T.P 2016/2017
KELAS XI SMA/MA NEGERI DI KOTA MEDAN**

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ABSTRAK

Penelitian ini bertujuan untuk melihat kemampuan siswa dalam menjawab soal UN dan UAS serta mengetahui kualitas soal UN materi kelas XI Semester Ganjil Tahun 2012 – 2016 dan Soal UAS Ganjil T.P 2016/2017 yang dilihat dari aspek kognitif berdasarkan Taksonomi Bloom, tingkat kesukaran, daya pembeda, dan reliabilitas. Metode dalam penelitian ini menggunakan metode deskriptif kuantitatif. Subyek penelitian adalah siswa kelas XI MIA yang berjumlah 238 siswa. Objek penelitian adalah soal UN materi kelas XI Semester Ganjil Tahun 2012 – 2016 dan soal UAS yang berasal dari 6 sekolah. Hasil penelitian menunjukkan bahwa siswa lebih mampu menjawab soal UN dibandingkan dengan UAS berdasarkan nilai rata-rata siswa dalam menjawab soal UAS Ganjil lebih tinggi dibandingkan soal UN. Berdasarkan aspek kognitif taksonomi Bloom sebaran soal UAS Ganjil T.P 2016/2017 belum memenuhi proporsi soal yang seimbang yaitu dengan formulasi C1 40% C2 20% C3 20% C4 10% C5 5% C6 5%. Berdasarkan tingkat kesukaran sebaran soal UN dan UAS Ganjil T.P 2016/2017 belum memenuhi kriteria soal yang seimbang yaitu dengan formulasi sukar 25% sedang 50% dan mudah 25%. Berdasarkan daya pembeda sebaran soal UN dan UAS T.P 2016/2017 belum memenuhi kriteria soal yang baik yaitu dengan kriteria daya pembeda 0,30 – 1,00 \geq 85%. Kriteria daya pembeda 0,30 – 1,00 pada soal UN 32%, UAS MAN 1 Medan 36%, UAS MAN 2 Model Medan 53%, UAS SMAN 4 Medan 52%, UAS SMAN 9 Medan 35%, UAS SMAN 11 Medan 49%, UAS SMAN 18 Medan 23%. Berdasarkan reliabilitas, soal UN memiliki reliabilitas rendah (0,3) sedangkan soal UAS rata-rata memiliki reliabilitas tinggi (0,60-0,79).

Kata Kunci : *Analisis, butir soal, Ujian Nasional, Ujian Semester Ganjil*



**ITEM ANALYSIS AND STUDENT ABILITY IN ANSWERING
NATIONAL EXAM TESTS AND ODD SEMESTER EXAMS
ON BIOLOGY SUBJECTS ACADEMIC YEAR 2016/2017
CLASS XI SENIOR HIGH SCHOOL/MADRASAH
ALIYAH COUNTRY IN MEDAN**

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ABSTRACT

The research aims to see the ability of students in answering National Exam question's and Odd Semester Exams and to identify the question's quality of National Exams Class XI Odd Semester Year 2012- 2016 and Odd Semester Exams academic year 2016/2017 seen from the cognitive aspects based on Bloom's Taxonomy, the level of difficulty, distinguishing power, and reliability. The method in this research using quantitative descriptive method. The subjects of the study were students of class XI MIA, amounting to 238 students. The object of research is the matter of UN Class XI Odd Semester Year 2012 - 2016 and about Odd Semester Exams coming from 6 schools. The results showed that students are better able to answer the National Exam question's compared with Odd Semester Exams based on the average score of students in answering the question's Odd Semester Exam higher than UN. Based on the cognitive aspects of Bloom's taxonomy the distribution of Odd Semester Exams Academic Year 2016/2017 does not meet the proportion of balanced questions with the formulation of C1 40% C2 20% C3 20% C4 10% C5 5% C6 5%. Based on the difficulties of the distribution of the National Exam question's and Odd Semester Exams academic year 2016/2017 not meet the criteria of a balance question's with the formulation of difficult 25% moderate 50% and easy 25%. Based on the differentiating power of the questionnaires of National Exam question's and Odd Semester Exams academic year 2016/2017 has not met the criteria of a good question with the criterion of differentiating power of $0.30 - 1.00 \geq 85\%$. Criteria of differentiating power $0,30 - 1,00$ on National Exams question's 32%, Odd Semester Exams MAN 1 Medan 36%, MAN 2 Medan Model 53%, SMAN 4 Medan 52%, SMAN 9 Medan 35%, SMAN 11 Medan 49 %, SMAN 18 Medan 23%. Based on the reliability, the National Exam questions has a low reliability (0.3) while the average Odd Semester Exams has high reliability (0.60-0.79)

Keywords : *Analysis, item test, National Exam, Odd Semester Exam*