

**ANALISIS BUTIR SOAL PENILAIAN AKHIR SEMESTER GASAL
TAHUN AJARAN 2018/2019 PADA KELOMPOK MATA PELAJARAN
DASAR PROGRAM KEAHLIAN (C2) KELAS X KOMPETENSI
KEAHLIAN DESAIN PEMODELAN DAN INFORMASI BANGUNAN
DI SMK NEGERI 2 YOGYAKARTA**

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui kualitas soal PAS Gasal Tahun Ajaran 2018/2019 pada kelompok mata pelajaran C2 kelas X kompetensi keahlian DPIB di SMK Negeri 2 Yogyakarta secara kualitatif meliputi aspek materi, konstruksi, bahasa atau budaya, dan secara kuantitatif meliputi tingkat kesukaran, daya beda, efektivitas pengecoh/*distractor*, validitas, dan reliabilitas.

Jenis penelitian ini adalah penelitian deskriptif kuantitatif. Subjek penelitian yaitu seluruh siswa kelas X kompetensi keahlian DPIB. Objek penelitian adalah soal PAS Gasal Tahun Ajaran 2018/2019 pada kelompok mata pelajaran C2. Pengumpulan data menggunakan teknik dokumentasi. Teknik analisis data secara kualitatif menggunakan telaah soal, dan secara kuantitatif menggunakan program Anates V 4.

Hasil penelitian menunjukkan bahwa secara kualitatif soal memiliki kualitas yang kurang berdasarkan aspek materi, bahasa dan budaya. Kekurangan soal yaitu dari segi materi dan konstruksi. Secara kuantitatif memiliki kualitas yang berbeda. Hasil analisis secara kuantitatif sebagai berikut: (1) dari segi tingkat kesukaran pada mata pelajaran TPT, DKB, Gambar Teknik, dan Mekanika Teknik memiliki kualitas yang rendah, (2) dari segi daya beda pada mata pelajaran TPT, DKB, Gambar Teknik memiliki kualitas cukup baik sedangkan Mekanika Teknik memiliki kualitas yang rendah, (3) dari efektivitas pengecoh/*distractor* pada mata pelajaran TPT memiliki kualitas cukup berfungsi baik sedangkan DKB dan Gambar Teknik kualitas kurang berfungsi, (4) dari segi validitas pada mata pelajaran, TPT, Gambar Teknik dan Mekanika Teknik memiliki validitas cukup tinggi sedangkan DKB validitas rendah, dan (5) dari reliabilitas pada mata pelajaran DKB dan Gambar teknik memiliki tingkat keajegan tinggi (*reliable*) sedangkan TPT dan Mekanika Teknik memiliki tingkat keajegan yang rendah (*un-reliable*). Secara keseluruhan kualitas soal masih kurang baik dan perlu diperbaiki.

Kata kunci: analisis butir soal, analisis kualitatif, analisis kuantitatif, dasar program keahlian

**ITEM ANALYSIS ON FINAL EXAM TEST 2018/2019 ACADEMIC YEAR
BASIC SKILLS PROGRAM (C2) SUBJECTS GROUP TEN CLASS
MODELING DESIGN AND BUILDING INFORMATION COMPETENCY
IN YOGYAKARTA STATE VOCATIONAL HIGH SCHOOL 2**

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ABSTRACT

This research aims to determine the quality of PAS 2018/2019 academic year basic skills program (C2) subjects group ten class modeling design and building information competency in Yogyakarta State Vocational High School 2 qualitatively consists of material aspects, construction, language or culture, and quantitatively consists of the difficulty levels, discrimination value, distractor effectiveness, validity, and reliability.

This research was quantitative descriptive. Subjects in this research were students of ten class DPIB competency. Object of this research is PAS Gasal questions 2018/2019 academic year C2 subjects group. Data was collected by documentation method. Qualitative data analysis techniques using question analysis, and quantitatively using the Anates V 4 program.

The results of the research were qualitatively of questions had not good quality based on material, language and cultural aspects. The lack of questions is in terms of material and construction. Quantitatively have different question qualities. The results of the analysis are quantitatively as follows: (1) in terms of the level of difficulty levels in the subjects of TPT, DKB, Engineering Drawing, and Engineering Mechanics, the quality is low. (2) in terms of discrimination value in the subjects of TPT, DKB, Engineering Drawing have quite good quality while Engineering Mechanics have low quality, (3) the quality of the distractor effectiveness on TPT subjects is quite good, while DKB and Engineering Drawing subjects are less functional, (4) in terms of validity in the subjects of TPT, Mechanics Engineering and Engineering Drawing subjects have quite high validity while DKB validity is low, and (5) from reliability in DKB subjects and engineering drawings have a high level of reliability (reliable) while TPT and Mechanics Engineering has a low level of regularity (un-reliable). Overall the quality of the questions is still not good and needs to be improved.

Keywords: item analysis, qualitative analysis, quantitative analysis, basic skills program