

**KUALITAS BUTIR SOAL PENILAIAN AKHIR TAHUN
MATA PELAJARAN TEKNOLOGI DASAR OTOMOTIF KELAS X
TEKNIK KENDARAAN RINGAN OTOMOTIF
DI SMK MUHAMMADIYAH GAMPING PERIODE 2018/2019**

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui kualitas butir soal Penilaian Akhir Tahun Mata Pelajaran Teknologi Dasar Otomotif Kelas X TKRO di SMK Muhammadiyah Gamping Periode 2018/2019 yang ditinjau dari validitas, reliabilitas, tingkat kesukaran, daya pembeda, dan efektivitas pengecoh.

Penelitian ini merupakan penelitian deskriptif kuantitatif. Subjek dalam penelitian ini adalah peserta didik kelas X TKRO SMK Muhammadiyah Gamping. Teknik pengumpulan data dilakukan dengan teknik dokumentasi. Data yang diperoleh dianalisis menggunakan program ITEMAN versi 4.3 dan program Microsoft Excel.

Hasil dari penelitian menunjukkan: (1) Kualitas soal berdasarkan validitas, soal valid berjumlah 15 soal atau 37,5% sedangkan soal tidak valid berjumlah 25 soal atau 62,5%; (2) Kualitas soal berdasarkan reliabilitas, dapat disimpulkan butir soal Penilaian Akhir Tahun mata pelajaran Teknologi Dasar Otomotif kelas X TKRO SMK Muhammadiyah periode 2018/2019 memiliki koefisien reliabilitas rendah sebesar 0,657; (3) Kualitas soal berdasarkan tingkat kesukaran, butir tergolong sukar berjumlah 12 butir atau 30%, butir soal tergolong sedang/cukup berjumlah 24 butir atau 60%, dan butir soal yang tergolong mudah berjumlah 4 butir atau 10%; (4) Kualitas soal berdasarkan daya pembeda, butir soal memiliki daya pembeda jelek berjumlah 18 butir atau sebesar 45%, butir soal yang memiliki daya pembeda cukup berjumlah 8 butir atau sebanyak 20%, butir soal yang memiliki daya pembeda baik berjumlah 7 butir atau sebesar 17,5% dan butir soal yang memiliki daya pembeda negatif berjumlah 7 butir soal atau sebesar 17,5%; (5) Kualitas soal berdasarkan analisis efektivitas pengecoh, terdapat 19 (47,5%) butir soal berkualitas baik, sebanyak 10 (25%) butir soal berkualitas kurang baik dan 11(27,5%) berkualitas jelek.

Kata kunci : Kualitas Butir Soal, Teknologi Dasar Otomotif, SMK Muhammadiyah Gamping.

**QUALITY OF QUESTION ITEM OF FINAL ASSESSMENT EVALUATION
OF BASIC AUTOMOTIVE TECHNOLOGY CLASS X AUTOMOTIVE
LIGHTER VEHICLE ENGINEERING AT SMK MUHAMMADIYAH
GAMPING ACADEMIC YEAR 2018/2019**

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ABSTRACT

This research aims to determine the quality of the item Final Exam Subjects Automotive Basic Learning Technology Class X TKRO SMK Muhammadiyah Gamping Year 2018/2019 the terms of validity, reliability, level of difficulty, discriminating power and analysis of distractors.

This research was quantitative descriptive. Subjects in this research were students of class X TKRO SMK Muhammadiyah Gamping. Data was collected by documentation method. Data were analyzed using the program ITEMAN Version 4.3. and calculations with the helped of the Microsoft Excel program.

The results of this research were: (1) Quality items based on the validity, valid question amounted about 15 items or 37,5%, while about invalid numbered about 25 item or 62,5%; (2) Quality items based on the reliability, it can be concluded that item final exam subjects Automotive Basic Learning Technology Class X TKRO SMK Muhammadiyah Gamping Year 2018/2019 school year was not reliable because it had a reliability rate of 0.657; (3) Quality items based on the level of difficulty, which was relatively difficult items totaling 12 points or 30%, items were classified as being a total of 24 items or 60%, and a relatively easy items amounted to 4 items or 10%; (4) Quality items based on discriminating power, items had distinguishing poor totaling 18 point or 45%, items had discriminating sufficient amounts to 8 grains or as much as 20%, items that have a good discriminating numbered 7 point or by 17,5% and items which had a negative discriminating totaling 7 items or by 17,5%; (5) Quality items based on the analysis of effectiveness of distractors, there were 19 items (47,5%) of good quality, 10 items (25%) were less good quality, and 11 items (27,5%) qualified not good.

Keywords: *quality items, Basic Automotive Technology, SMK Muhammadiyah Gamping.*