



Analisis Butir Soal Menggunakan Program Quest

Delisma Wisnu Adi



Program Software Quest

- Termasuk program analisis butir soal sesuai dengan Teori Respon Butir (modern).
- Program quest juga dapat menampilkan analisis sesuai Teori Tes Klasik.
- Hasil analisis tidak bergantung pada ukuran sampel.



Alur Program Quest

Data
Input



Perintah



Submit
Quest

```
data1 - Notepad
File Edit Format View
AECACBABEEDDCBBC
AECACBCBAEDEDBAC
AECDCABBE ECBBEC
CECECDABABEECBBC
ABCACAABCEDBCBBB
CECACDABCEDCBBAD
AAAACBACEBDCBBBD
AECBDAABDBDECBCB
BECACDABCECEDBAC
CDCACBAACBAAEABC
CECDCDABAEAEBCBC
AEAECBABCEEAABC
CDEAADCCBACBEEC
AECACDABCBDCDBAC
CECBCCABCEABCBC
CECACBABAEEAABC
CECACAABCEDCBBAC
CECACEABCEDCBBAD
CECABDBBABEEDBBC
CECECDBCCADCDBDC
CEAAAAABCADACBEE
EECACDABCEDEBDBB
AECDCDABABCCDBBB
EECACDABAEDACEBC
```

```
Perintah - Notepad
File Edit Format View Help
title data1
data_file data1.PRN
codes ABCDE
format id 0-0 items 01-16
key CACECDABAEEDCBBC
set width=107 ! page
estimate
show >> data1sh.out
show items >> data1it.out
show cases >> data1ca.out
show cases ! form=export >>
itanal >> data1tn.out
quit
```

```
D:\Data_Sekunder\Data_Orderan\P...
QUEST: The Interactive Test Analysis S
Standard Version

Copyright, 1994-96 A.C.E.R
Written by Raymond J. Adams and Khoo S
This version was set to the following
60000 cases 400 items with 10 categori
A total of 10 sub-group/sub-scale comb

> submit Perintah.prn
```



Langkah Analisis Data Program Quest

1. Siapkan software program Quest.
2. Siapkan data Notepad berekstensi: *.txt, *.ctl, *.prn ((bisa dari Ms.excel)
3. Siapkan file perintah program Quest. (Semua file perintah, program Quest, dan data disarankan dalam satu folder)
4. Jalankan program Quest kemudian ketik“submit <spasi> (nama file).ctl” kemudian Enter.
5. Jika tidak eror maka muncul beberapa file notepad hasil luaran Program Quest.

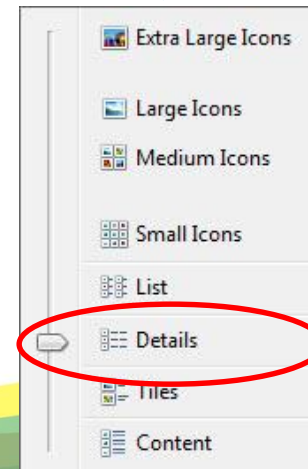


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Software Program Quest

Name	Date modified	Type	Size
data1	24/05/2016 19:23	PRN File	2 KB
Perintah	30/05/2017 7:21	CTL File	1 KB
QUEST	20/04/1996 3:55	Application	373 KB
QUEST	15/10/2015 15:36	IZArc RAR Archive	134 KB

Tipe file





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Cara Membuat File Notepad (Ekstensi *.ctl, *.txt, *.prn)

- Siapkan rekap data di Ms.Excel
- Klik pojok kanan atas (untuk block semua cell atau ctrl+A)
- Pilih menu Home → Format → AutoFit Column Width (akan terjadi penyempitan column)
- Pilih menu Save as → Formatted Text (Space delimited)
- Muncul kotak dialog pilih Ok dan Yes



Master Data Input → data1.prn

```
data1 - Notepad
File Edit Format View Help
AECACBABEEDDCBBC
AECACBCBAEDEDBAC
AECDC CABBEECBBEC
CECECDABABEECBBC
ABCACAABCEDBCBBB
CECACDABCEDCBBAD
AAAACBACEBDCEBBD
AECBDAABDBDECBCB
BECACDABCECEDBAC
CDCACBAACBAAEABC
CEDCDABAEAECEBBC
AEAECBABCEEAABC
CDEAADCCCEBACBEEC
AECACDABCBDCDBAC
CECBCCABCEABCBBC
CECACBABAAEEAABC
CECACABCEDCBBAC
CECACEABCEDCBBAD
CECABDBBABEEDBBC
CECECDBCCADCDDBC
CEAAAAABCADACBEE
EECACDABCEDEBDBB
AECDCDABABCCDBBB
EECACDABAEDACEBC
DECECBABCEDBCAC
CEBACDABEECCDBAC
CBCACDABCBCEACBDC
CECACDABCEDEBBAD
```



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File Perintah Program Quest

```
File Edit Format View Help
title Analisis Butir Soal PG (16)
data_file data1.PRN
codes ABCDE
format id 0-0 items 01-16
key CACECDABAEEDCBBC
set width=107 ! page
estimate
show >> data1sh.out
show items >> data1it.out
show cases >> data1ca.out
show cases ! form=export >> data1sc.out
itanal >> data1tn.out
quit
|
```

Nama File Data Masukan

Bentuk Soal

Jumlah Soal

Kunci Jawaban

File Output



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Jalankan program Quest

```
D:\PPT Pelatihan Analisis Butir Soal\Uji Coba Analisis\QUEST.EXE
QUEST: The Interactive Test Analysis System

Standard Version

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Written by Raymond J. Adams and Khoo Siek Toon
This version was set to the following dimensions:
60000 cases 400 items with 10 categories per item.
A total of 10 sub-group/sub-scale combinations are permitted.










> submit Perintah.prn
```

submit Perintah.prn



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Hasil Luaran

Name	Date modified	Type	Size
 data1	24/05/2016 19:23	PRN File	2 KB
 data1ca	24/05/2016 20:10	OUT File	7 KB
 data1it	24/05/2016 20:10	OUT File	4 KB
 data1sc	24/05/2016 20:10	OUT File	13 KB
 data1sh	24/05/2016 20:10	OUT File	9 KB
 data1tn	24/05/2016 20:10	OUT File	19 KB
 Perintah	24/05/2016 19:42	CTL File	1 KB
 QUEST	20/04/1996 3:55	Application	373 KB
 QUEST	15/10/2015 15:36	IZArc RAR Archive	134 KB