MENJALANKAN PROGRAM ITEMAN
UNTUK ANALISIS BUTIR SOAL TES OBJEKTIF

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1. Sebelum menjalankan program ITEMAN, file program pengendalinya harus sudah dibuat terlebih dahulu dengan format text. (Cara membuatnya dapat menggunakan program NOTEPAD, WS, MS WORD, dan sebagainya)

2. Jalankan Program WINDOWS EXPLORER

3. Double Klik pada file ITEMAN.EXE

4. Ketik nama file Program Pengendalinya (Contohnya: ppm.prg) lalu tekan ENTER

5. Ketik nama file outputnya (Contohnya: ppm.out) lalu tekan ENTER

6. Ketik Y jika ingin merekam file skor pesertanya lalu tekan ENTER kemudian ketik nama file skor pesertanya (Contohnya: ppm.scr)

7. Jika langkah di atas dilakukan maka di layar akan tampak seperti gambar di bawah ini.

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              MicroCAT (tm) Testing System
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             Beta-Test Version--Univ. of Pittsburgh

        Item and Test Analysis Program -- ITEMAN (tm) Version 3.00

Enter the name of the input file: ppm.prg
Enter the name of the output file: ppm.out
Do you want the scores written to a file? (Y/N) y
Enter the name of the score file: ppm.scr
```

Setelah langkah tersebut dilakukan file hasil analisis (ppm.out dan ppm.scr) dapat Anda lihat dengan menggunakan program NOTEPAD, WordStar, MS WORD dan sebagainya.

CONTOH PROGRAM DAN HASIL ANALISIS BUTIR SOAL
DENGAN MENGGUNAKAN PROGRAM ITEMAN *(ITEM AND TEST ANALYSIS)*

** Program Pengendalinya (Bahasa Program ITEMAN)

```
 10 O N 03
BCDCBABBAA
4444444444
YYYYYYYYYY
01 CACCDABAAA
02 BCDCBADCAA
03 BABDDBABAD
04 BADCBABCAD
05 BAABBABABD
06 BAACBABCAA
07 BCABDABCAA
08 BABCBABBAA
09 BADCBACCAD
10 BCABDABCAA
11 BADBDACCAD
12 BAACBABCAA
13 BAABDAACAA
14 BADCDABCAD
15 BADCDABCAD
16 BADCDACCAA
17 BCCCDCBAAD
18 BADCDABCAD
19 BAAADCBAAD
20 BADCDACCAD
21 BACCDAABAD
22 BADBDACCAD
23 BAACDACCAD
24 BADBBDACCD
25 BADDBABAAD
26 BABDDABCDA
27 BADDBABAAD
28 BCCACABDCD
29 BADDBABAAD
30 BADDBABAAD
31 BAADDAAAAD
32 BABBDAADAD
33 CAACDABBAA
34 BDABCABDBA
35 BABBBACDDA
36 BABBDABCAD
37 BCDDDAACAA
38 BADDDACBDD
39 BADBDAA0AD
40 BAACBABADD
```

** Print Out Hasil Analisis ITEMAN

```
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        Item and Test Analysis Program -- ITEMAN (tm) Version 3.00

Item analysis for data from file ppm.prg                      Page  1
```

		Item Statistics				Alternative Statistics			
Seq. No.	Scale -Item	Prop. Correct	Biser.	Point Biser.	Alt.	Prop. Endorsing	Biser.	Point Biser.	Key
1	0-1	0.950	-0.151	-0.071	A	0.000	-9.000	-9.000	
					B	0.950	-0.151	-0.071	*
	CHECK THE KEY				C	0.050	0.151	0.071	?
	B was specified, C works better				D	0.000	-9.000	-9.000	
					Other	0.000	-9.000	-9.000	
2	0-2	0.150	0.357	0.233	A	0.825	-0.246	-0.167	
					B	0.000	-9.000	-9.000	
					C	0.150	0.357	0.233	*
					D	0.025	-0.336	-0.126	
					Other	0.000	-9.000	-9.000	
3	0-3	0.450	0.353	0.281	A	0.300	-0.100	-0.076	
					B	0.150	-0.349	-0.228	
					C	0.100	-0.135	-0.079	
					D	0.450	0.353	0.281	*
					Other	0.000	-9.000	-9.000	
4	0-4	0.425	0.734	0.582	A	0.050	-0.558	-0.264	
					B	0.300	-0.573	-0.435	
					C	0.425	0.734	0.582	*
					D	0.225	-0.102	-0.073	
					Other	0.000	-9.000	-9.000	
5	0-5	0.350	0.590	0.458	A	0.000	-9.000	-9.000	
					B	0.350	0.590	0.458	*
					C	0.050	-0.381	-0.180	
					D	0.600	-0.464	-0.366	
					Other	0.000	-9.000	-9.000	
6	0-6	0.900	0.656	0.384	A	0.900	0.656	0.384	*
					B	0.025	-0.649	-0.243	
					C	0.050	-0.381	-0.180	
					D	0.025	-0.649	-0.243	
					Other	0.000	-9.000	-9.000	
7	0-7	0.575	0.479	0.380	A	0.200	-0.627	-0.439	
					B	0.575	0.479	0.380	*
					C	0.200	-0.235	-0.165	
					D	0.025	0.915	0.343	
					Other	0.000	-9.000	-9.000	

3

```
                    Item Statistics          Alternative Statistics
              ----------------------    ----------------------------------
Seq.  Scale  Prop.           Point              Prop.             Point
No.   -Item  Correct  Biser. Biser.   Alt.  Endorsing  Biser.  Biser. Key
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  8   0-8    0.125    0.056  0.035     A      0.250   -0.101  -0.074
                                       B      0.125    0.056   0.035  *
            CHECK THE KEY              C      0.500    0.344   0.274  ?
       B was specified, C works better D      0.100   -0.552  -0.323
                                       Other  0.025   -0.336  -0.126


  9   0-9    0.800    0.562  0.393     A      0.800    0.562   0.393  *
                                       B      0.050   -0.381  -0.180
                                       C      0.050   -0.558  -0.264
                                       D      0.100   -0.344  -0.201
                                       Other  0.000   -9.000  -9.000


 10   0-10   0.350    0.491  0.381     A      0.350    0.491   0.381  *
                                       B      0.000   -9.000  -9.000
                                       C      0.000   -9.000  -9.000
                                       D      0.650   -0.491  -0.381
                                       Other  0.000   -9.000  -9.000
```

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There were 40 examinees in the data file.

Scale Statistics

```
   Scale:            0
                  -------
N of Items           10
N of Examinees       40
Mean              5.075
Variance          1.869
Std. Dev.         1.367
Skew              0.217
Kurtosis         -0.812
Minimum           3.000
Maximum           8.000
Median            5.000
Alpha             0.085
SEM               1.308
Mean P            0.507
Mean Item-Tot.    0.306
Mean Biserial     0.413
```