Item Analysis

Psikometri

Kuliah 09

Module 13

Pengantar: *Item*

Apakah "aitem" dlm tes/alat ukur psikologi?

- ***test items*** are the units that make up a test and the means through samples of test takers' behavior are gathered. (Urbina, 2004, hlm 214).
- a specific stimulus to which a person responds overtly; this response can be scored or evaluated (Kaplan & Saccuzzo, 2005).

Pengantar: *Item Analysis*

- Once you administer the test to a designated group of test takers, you will want to evaluate it.

- That is, you will want to know if the test worked the way you hoped it would and if it is accomplishing what you set out to accomplish.

  If the test is not up to your high standards, are you going to simply throw out the entire test?

  → you will want to determine which specific items may be causing problems by performing an **item analysis**.

1. Item Difficulty

= *p value*

(= percentage or proportion correct),

→ indicating what percentage of test takers answered a given item correctly.

- Utk aitem tes kemampuan yg diskor dikotomi (1-0).
- $0,0 \leq p \leq 1,0$

  → Semakin besar nilai p, maka aitem semakin …

- Berapakah *p* yg ideal?
- Rekomendasi hasil *item difficulty*:

  1. aitem dipertahankan atau item gugur

  2. ubah posisi/urutan aitem

1. Item Difficulty

Hitung *p* !

Responden	aitem 1	aitem 2	aitem 3	aitem 4
A	A	B	C	B
B	A	E	C	A
C	A	D	A	B
D	A	A	D	E
E	A	C	C	E
F	B	E	B	D
G	A	B	C	E
H	A	D	C	B
I	D	B	E	E
K	A	B	C	B
KUNCI	**A**	**B**	**C**	**E**
p				

1. Item Difficulty

100 orang menjawab 40 soal pilihan ganda.

aitem	Menjawab Benar	Menjawab salah	p	rekomendasi
1	95	5		
2	85	15		
7	50	50		
15	70	30		
21	80	20		
34	18	82		

Bagaimanakah rekomendasi setiap aitem berdasarkan analisis kesukaran aitem?