TAP

Test Analysis Program

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Langkah menginstal dan Menggunakan Master TAP

- Pastikan software TAP berada pada salah satu drive yg anda inginkan dengan nama file **TAP.exe**
- Untuk menjalankan software, *double Klik* pada file **TAP .exe** dan akan muncul tampilan seperti berikut:

- Untuk menginput data baru dalam software TAP, maka Pilih Enter New Data
- Klik >> *Go to data Editor* , maka muncul tampilan berikut:

Lembar kerja untuk analisis butir soal

Data Editor

File Data Convert Options Help

Title: (70 character maximum)

Comments: (70 character maximum)

Key:

Options:

Include:

Students: # Test Items: Length of Examinee Names/IDs (# characters):

DATA: Any character not valid as data will be treated as MISSING DATA --- valid data values are (0-8, A-H, a-h, I, i, F, f)

Item#	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10
ID	1	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0	5	0

Setelah melakukan klik pada *Go to data*, akan muncul tampilan DATA EDITOR seperti slide sebelumnya, elaborasi masing-masing bagian adalah:

1. Title : Judul tes yang akan dianalisis
2. Comments : Komentar yg sesuai dgn tes
3. Key : Kunci jawaban (angka/huruf)
4. Options : Jumlah pilihan dalam butir soal
5. Include : Ketik huruf “Y” bila ingin menganalisis butir tersebut, jika tidak ketik “N”.
6. Students/ Examinees : Jumlah peserta tes
7. Test items : Jumlah butir soal
8. **ID label length**/ Length of examinee names/ IDs (characters) : Jumlah karakter identitas peserta tes (identitas terpanjang yg menjadi acuan).

Fungsi tiap tombol dari lembar kerja master TAP pada file

Membukaa file yg telah tersimpan pda drive

Menyimpan data dengan data diskrit

Menyimpan data dengan pemberian tanda koma diantara data mentah

Membuat data baru

Dapat mengimport file sesuai dengan versi master TAP diinginkan

Menyimpan file pada drive yg diinginkan

Keluar dari lembar kerja dan Menampilkan hasil analisis

Keluar dari lembar kerja

Fungsi tiap tombol dari lembar kerja master TAP pada data (1)

Hanya menyimpan identitas peserta tes beserta jawaban

Menampilkan data secara default

Menyisipkan data pada layar kerja yg telah tersimpan pada drive

The screenshot shows the 'Data' menu of the TAP software. The menu options are: 'Insert Text File into Data Window', 'Insert Data & Answer Key from Text File', 'Save Data Only to Text File', and 'Generate Data'. Below the menu, there is a section for 'Include:' followed by a long string of 'Y's. Further down, there are fields for '# Students: 50', '# Test Items: 46', and 'Length of Examinee Names/IDs'. A warning message states: 'DATA: Any character not valid as data will be treated as MISSING DATA --- valid data values are 0-9'. Below this is a table with columns 'Examinee ID', 'Item#', and a grid of data points. The table lists 50 students and 46 test items. At the bottom, there are four buttons: 'Cancel', 'Save File', 'OK', and 'Close & Analyze'.

Examinee ID	Item#	1	1	2	2	3	3	4	44
ID #262 Student 35	1314232214231439213223223243342241113313443142	1	5	0	5	0	5	0	56
ID #326 Student 36	1314423114231231212231121342144233413313211222	1	5	0	5	0	5	0	56
ID #376 Student 37	1213121124433431232134143322314234331413211242	1	5	0	5	0	5	0	56
ID #407 Student 38	4314424114431431221323121342323223231413343412	1	5	0	5	0	5	0	56
ID #431 Student 39	1314423114432431121223321342314233133313443342	1	5	0	5	0	5	0	56
ID #478 Student 40	2414423124431131342224221142334314214111423232	1	5	0	5	0	5	0	56
ID #003 Student 41	1314423113421431142233324342343233343423233142	1	5	0	5	0	5	0	56
ID #089 Student 42	1314424114431231214233121343323233331413243339	1	5	0	5	0	5	0	56
ID #162 Student 43	1344422114431231242234321344344243313313243329	1	5	0	5	0	5	0	56
ID #213 Student 44	1314432114411231122233321342323233434312343132	1	5	0	5	0	5	0	56
ID #260 Student 45	4343321444124232214311421341424234313123221212	1	5	0	5	0	5	0	56
ID #314 Student 46	1314423114431131122233121343344231434313313142	1	5	0	5	0	5	0	56
ID #357 Student 47	1334423114231231214233121342324234411413443112	1	5	0	5	0	5	0	56
ID #404 Student 48	1313423114431233141223111342344243433312423242	1	5	0	5	0	5	0	56
ID #427 Student 49	1314423114331231242233122342324243411413243242	1	5	0	5	0	5	0	56
ID #467 Student 50	1313423114431231244231111342344233331312443142	1	5	0	5	0	5	0	56

Fungsi tiap tombol dari lembar kerja master TAP (2)

The screenshot shows the TAP software interface with several callouts explaining the functions of the buttons:

- Convert** (red box): Mengembalikan data asli sebelum berubah menjadi data diskrit
- DATA are in ORIGINAL FORMAT** (green box): Area data asli
- Convert Data to Right-Wrong Data** (red box): Mengubah data menjadi data diskrit (0-1)
- Convert Right-Wrong Back to Original Data** (red box): Mengubah data kuantitatif menjadi kualitatif
- Convert Data to Numbers** (green box): Mengubah data kualitatif menjadi kuantitatif
- Convert Data to Letters** (red box): Mengubah data kuantitatif menjadi kualitatif
- Convert Data back to Original Lines** (green box): Kembali ke data asli

At the bottom of the interface, there are four buttons:

- Cancel** (red X icon)
- Save File**
- OK** (green checkmark icon)
- Close & Analyze** (green checkmark icon)

The main window displays the following information:

- Convert** Options Help
- DATA are in ORIGINAL FORMAT**
- Area data asli**
- AKASSAR** (70 character maximum)
- Convert Data to Right-Wrong Data**
- Convert Right-Wrong Back to Original Data**
- Convert Data to Numbers**
- Convert Data to Letters**
- Convert Data back to Original Lines**
- # Students: 50**
- # Test Items: 46**
- Length of Examinee Names/IDs (# characters): 19**
- DATA: Any character not valid as data will be treated as MISSING DATA --- valid data values are [0-8, A-H, a-h, T, t, F, f]**

Examinee ID	Item#	1	1	2	2	3	3	4	44
ID #262 Student 35	1314232214231439213223223243342241113313443142	1	5	0	5	0	5	0	56
ID #326 Student 36	1314423114231231212231121342144233413313211222								
ID #376 Student 37	1213121124433431232134143322314234331413211242								
ID #407 Student 38	4314424114431431221323121342323223231413343412								
ID #431 Student 39	1314423114432431121223321342314233133313443342								
ID #478 Student 40	2414423124431131342224221142334314214111423232								
ID #003 Student 41	1314423113421431142233324342343233343423233142								
ID #089 Student 42	1314424114431231214233121343323233331413243339								
ID #162 Student 43	1344422114431231242234321344344243313313243329								
ID #213 Student 44	1314432114411231122233321342323233434312343132								
ID #260 Student 45	4343321444124232214311421341424234313123221212								
ID #314 Student 46	1314423114431131122233121343344231434313313142								
ID #357 Student 47	1334423114231231214233121342324234411413443112								
ID #404 Student 48	1313423114431233141223111342344243433312423242								
ID #427 Student 49	1314423114331231242233122342324243411413243242								
ID #467 Student 50	1313423114431231244231111342344233331312443142								

Domain penilaian dan level kognitive

File Data Convert **Options** Help

Title: UJ... (70 character maximum)

Comments: MA... (70 character maximum)

Item# 1...5...

Key: 131442211

Options: 444444444

Item# 1...5...0...5...0...5...0...5...0...56

Include: yyy

Set Table of Specifications...

Set Alternative Correct Answers...

Add/Remove Partial Credit or change MC point values...

Change Max # Options to 5

Change Max # Options to 8

Students: 50 # Test Items: 46 Length of Examinee Names/IDs (# characters): 19

DATA: Any character not valid as data will be treated as MISSING DATA --- valid data values are [0-9, A-H, a-h, T, t, F, f]

Examinee ID	Item#	1	1	2	2	3	3	4	44
ID #262 Student 35	1314232214231439213223223243342241113313443142	1	5	0	5	0	5	0	56
ID #326 Student 36	1314423114231231212231121342144233413313211222								
ID #376 Student 37	1213121124433431232134143322314234331413211242								
ID #407 Student 38	4314424114431431221323121342323223231413343412								
ID #431 Student 39	1314423114432431121223321342314233133313443342								
ID #478 Student 40	2414423124431131342224221142334314214111423232								
ID #003 Student 41	1314423113421431142233324342343233343423233142								
ID #089 Student 42	1314424114431231214233121343323233331413243339								
ID #162 Student 43	1344422114431231242234321344344243313313243329								
ID #213 Student 44	1314432114411231122233321342323233434312343132								
ID #260 Student 45	4343321444124232214311421341424234313123221212								
ID #314 Student 46	1314423114431131122233121343344231434313313142								
ID #357 Student 47	1334423114231231214233121342324234411413443112								
ID #404 Student 48	1313423114431233141223111342344243433312423242								
ID #427 Student 49	1314423114331231242233122342324243411413243242								
ID #467 Student 50	1313423114431231244231111342344233331312443142								

Cancel Save File OK Close & Analyze

Setelah melakukan klik pada tombol “*table of specifications*” maka akan muncul tampilan seperti berikut:

Table of Specifications

File Options

Number of Content Areas

☒ 0 ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6

Content Area Names

Content Area 1	
Content Area 2	
Content Area 3	
Content Area 4	
Content Area 5	
Content Area 6	

Number of Cognitive Skill Levels

☒ 0 ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6

Cognitive Skill Level Names

Cognitive Level 1	
Cognitive Level 2	
Cognitive Level 3	
Cognitive Level 4	
Cognitive Level 5	
Cognitive Level 6	

For each item, indicate its Content Area (1-6) and its Cognitive Level (1-6)

Item #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Content Area																																		
Cognitive Level																																		

Item #	35	36	37	38	39	40	41	42	43	44	45	46
Content Area												
Cognitive Level												

Reset Screen Cancel OK

Kompetensi untuk
tiap soal

Butir Soal

Tingkatan kognitif

Mengembalikan layar kosong pada *content area* & *cognitive level*

Table of Specifications

File Options

Reset

Mengembalikan dengan layar kosong pada *content area* & *cognitive level*

Use a Default Set of Specifications

Popham's Taxonomy

Bloom's Taxonomy

Gagne's Taxonomy

Oosterhof's Taxonomy

Content Area 5

Content Area 6

of Cognitive Skill Levels

1 2 3 4 5 6

Cognitive Skill Level Names

Cognitive Level 1

Cognitive Level 2

Cognitive Level 3

Cognitive Level 4

Cognitive Level 5

Cognitive Level 6

For each item, indicate its Content Area (1-6) and its Cognitive Level (1-6)

Item #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Content Area																																		
Cognitive Level																																		

Item #	35	36	37	38	39	40	41	42	43	44	45	46
Content Area												
Cognitive Level												

Reset Screen

Cancel

OK

Model tingkat penilaian cognitive

Table of Specifications

File Options

Reset

Use a Default Set of Specifications

Popham's Taxonomy

Bloom's Taxonomy

Gagne's Taxonomy

Oosterhof's Taxonomy

Content Area 5

Content Area 6

Cognitive Level 1

Cognitive Level 2

Cognitive Level 3

Cognitive Level 4

Cognitive Level 5

Cognitive Level 6

Secara default menggunakan *content area & cognitive level popham's taxonomy*

Dapat memilih salah satu model tingkatan penilaian cognitive

For each item, indicate its Content Area (1-6) and its Cognitive Level (1-6)

Item #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Content Area																																		
Cognitive Level																																		

Item #	35	36	37	38	39	40	41	42	43	44	45	46
Content Area												
Cognitive Level												

Reset Screen

Cancel

OK

Setelah melakukan klik pada “*use a default set of specifications*” Secara default menggunakan *content area & cognitive level popham’s taxonomy*, dengan

Table of Specifications

File Options

Number of Content Areas
☐ 0 ☐ 1 ☒ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6

Number of Cognitive Skill Levels
☐ 0 ☐ 1 ☒ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6

Content Area Names

Content Area 1	Kompetensi Dasar 1
Content Area 2	Kompetensi Dasar 2
Content Area 3	
Content Area 4	
Content Area 5	
Content Area 6	

Cognitive Skill Level Names

Cognitive Level 1	Pengetahuan
Cognitive Level 2	analisis
Cognitive Level 3	
Cognitive Level 4	
Cognitive Level 5	
Cognitive Level 6	

For each item, indicate its Content Area (1-6) and its Cognitive Level (1-6)

Item #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Content Area	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Cognitive Level	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	

Item #	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
Content Area	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Cognitive Level	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2

Reset Screen Cancel OK

Dapat memilih jumlah content area yang diinginkan

Memberikan angka sesuai tingkat kognitive yang diinginkan.

Number of Content Areas
☐ 0 ☐ 1 ☒ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6

Content Area Names

Content Area 1 Kompetensi Dasar 1

Content Area 2 Kompetensi Dasar 2

Content Area 3

Content Area 4

Content Area 5

Content Area 6

Number of Cognitive Skill Levels
☐ 0 ☐ 1 ☒ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6

Cognitive Skill Level Names

Cognitive Level 1 Pengetahuan

Cognitive Level 2 analisis

Cognitive Level 3

Cognitive Level 4

Cognitive Level 5

Cognitive Level 6

For each item, indicate its Content Area (1-6) and its Cognitive Level (1-6)

Item #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Content Area	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Cognitive Level	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2		

Item #	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
Content Area	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Cognitive Level	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2

Reset Screen Cancel OK

- Item # : Butir soal
- Content area : Kompetensi dasar
- Cognitive level: Tingkat pengetahuan

Number of Content Areas
☐ 0 ☐ 1 ☒ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6

Number of Cognitive Skill Levels
☐ 0 ☐ 1 ☒ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6

Content Area Names

Content Area 1	Kompetensi Dasar 1
Content Area 2	Kompetensi Dasar 2
Content Area 3	
Content Area 4	
Content Area 5	
Content Area 6	

Cognitive Skill Level Names

Cognitive Level 1	Pengetahuan
Cognitive Level 2	analisis
Cognitive Level 3	
Cognitive Level 4	
Cognitive Level 5	
Cognitive Level 6	

For each item, indicate its Content Area (1-6) and its Cognitive Level (1-6)

Item #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Content Area	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Cognitive Level	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2		

Item #	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
Content Area	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Cognitive Level	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2

Reset Screen Cancel OK

- Item # (butir soal) nomor 1-8 berada pada *Content area* (kompetensi dasar 1) dan Cognitive level (tingkat pengetahuan pada level ingatan atau pendefinisian).
- Item # (butir soal) nomor 9-17 berada pada *Content area* (kompetensi dasar 1) dan Cognitive level (tingkat pengetahuan pada level analisis).
- Item # (butir soal) nomor 18-26 berada pada *Content area* (kompetensi dasar 2) dan Cognitive level (tingkat pengetahuan pada level ingatan atau pendefinisian).
- Dst

Setelah melakukan klik pada “*use a default set of specifications*” Secara default menggunakan *content area & cognitive level popham’s taxonomy*, dengan tampilan seperti berikut:

Table of Specifications

File Options

Number of Content Areas: ☐ 0 ☐ 1 ☒ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6

Number of Cognitive Skill Levels: ☐ 0 ☐ 1 ☒ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6

Content Area Names

Content Area 1: Kompetensi Dasar 1

Content Area 2: Kompetensi Dasar 2

Content Area 3:

Content Area 4:

Content Area 5:

Content Area 6:

Cognitive Skill Level Names

Cognitive Level 1: Pengetahuan

Cognitive Level 2: analisis

Cognitive Level 3:

Cognitive Level 4:

Cognitive Level 5:

Cognitive Level 6:

For each item, indicate its Content Area (1-6) and its Cognitive Level (1-6)

Item #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Content Area	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Cognitive Level	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2		

Item #	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
Content Area	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Cognitive Level	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2

Reset Screen Cancel OK

Kompetensi
untuk tiap soal

Butir Soal

Tingkatan
kognitive

Content area

Table of Specifications

File Options

Number of Content Areas
☐ 0 ☐ 1 ☒ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6

Number of Cognitive Skill Levels
☐ 0 ☐ 1 ☒ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6

Content Area Names

Content Area 1 Kompetensi Dasar 1

Content Area 2 Kompetensi Dasar 2

Content Area 3

Content Area 4

Content Area 5

Content Area 6

Cognitive Skill Level Names

Cognitive Level 1 Pengetahuan

Cognitive Level 2 analisis

Cognitive Level 3

Cognitive Level 4

Cognitive Level 5

Cognitive Level 6

For each item, indicate its Content Area (1-6) and its Cognitive Level (1-6)

Item #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Content Area	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Cognitive Level	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	

Item #	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
Content Area	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Cognitive Level	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2

Reset Screen Cancel OK

Kompetensi
untuk tiap soal

Tingkatan
kognitive

Memberikan
angka sesuai
kompetensi
untuk tiap soal
Butir Soal

Cognitive level

Table of Specifications

File Options

Number of Content Areas
☐ 0 ☐ 1 ☒ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6

Content Area Names

Content Area 1 Kompetensi Dasar 1

Content Area 2 Kompetensi Dasar 2

Content Area 3

Content Area 4

Content Area 5

Content Area 6

Number of Cognitive Skill Levels
☐ 0 ☐ 1 ☒ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6

Cognitive Skill Level Names

Cognitive Level 1 Pengetahuan

Cognitive Level 2 analisis

Cognitive Level 3

Cognitive Level 4

Cognitive Level 5

Cognitive Level 6

For each item, indicate its Content Area (1-6) and its Cognitive Level (1-6)

Item #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Content Area	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Cognitive Level	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	

Item #	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65
Content Area	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Cognitive Level	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Memberikan angka sesuai tingkat kognitif

Reset Screen Cancel OK

Bloom's taxonomy

Table of Specifications

File Options

Reset

Use a Default Set of Specifications

Popham's Taxonomy

Bloom's Taxonomy

Gagne's Taxonomy

Oosterhof's Taxonomy

Content Area 5

Content Area 6

Number of Cognitive Skill Levels

0 1 2 3 4 5 6

Menggunakan *content area* & *cognitive level bloom's taxonomy*

Cognitive Level 3

Cognitive Level 4

Cognitive Level 5

Cognitive Level 6

For each item, indicate its Content Area (1-6) and its Cognitive Level (1-6)

Item #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Content Area																																		
Cognitive Level																																		

Item #	35	36	37	38	39	40	41	42	43	44	45	46
Content Area												
Cognitive Level												

Reset Screen

Cancel

OK

Setelah melakukan klik pada tombol “*bloom’s taxonomy*” maka akan muncul tampilan seperti berikut:

Table of Specifications

File Options

Number of Content Areas
☐ 0 ☐ 1 ☐ 2 ☒ 3 ☐ 4 ☐ 5 ☐ 6

Number of Cognitive Skill Levels
☐ 0 ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☒ 6

Content Area Names

Content Area 1	pengetahuan teknologi
Content Area 2	perakitan komputer
Content Area 3	reparasi komputer
Content Area 4	
Content Area 5	
Content Area 6	

Cognitive Skill Level Names

Cognitive Level 1	Knowledge
Cognitive Level 2	Comprehension
Cognitive Level 3	Application
Cognitive Level 4	Analysis
Cognitive Level 5	Synthesis
Cognitive Level 6	Evaluation

For each item, indicate its Content Area (1-6) and its Cognitive Level (1-6)

Item #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Content Area	1	2	2	1	1	1	2	2	3	3	3	2	1	3	3	3	3	3	1	1	1	1	1	1	1	1	1	1	3	3	1	3	1	
Cognitive Level	1	3	3	1	1	2	3	3	6	4	4	3	2	4	5	4	6	6	1	2	2	1	2	1	1	2	2	1	2	4	4	1	4	1

Item #	35	36	37	38	39	40	41	42	43	44	45	46
Content Area	1	2	2	3	1	1	2	2	1	2	2	1
Cognitive Level	2	3	5	6	2	2	3	3	1	1	1	2

Reset Screen Cancel OK

Kompetensi
untuk tiap soal

Tingkatan
kognitif

Untuk melakukan pembatalan dan penyimpanan dapat dilihat dengan cara seperti berikut:

Table of Specifications

File Options

Cancel **Save & Exit (OK)**

Melakukan pembatalan

Melakukan penyimpanan

Number of Cognitive Skill Levels
☒ 0 ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6

Cognitive Skill Level Names

Cognitive Level 1
 Cognitive Level 2
 Cognitive Level 3
 Cognitive Level 4
 Cognitive Level 5
 Cognitive Level 6

Content Area Names

Content Area 1
 Content Area 4
 Content Area 5
 Content Area 6

For each item, indicate its Content Area (1-6) and its Cognitive Level (1-6)

Item #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Content Area	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Cognitive Level	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	

Item #	35	36	37	38	39	40	41	42	43	44	45	46
Content Area	1	1	1	1	1	1	2	2	2	2	2	2
Cognitive Level	1	1	1	2	2	2	1	1	1	2	2	2

Reset Screen **X** Cancel **✓** OK

File Data Convert **Options** Help

Title: UJ Set Table of Specifications... (70 character maximum)

Comments: MA Set Alternative Correct Answers... (70 character maximum)

Item# 1...5... Add/Remove Partial Credit or change MC point values..

Key: 131442211 Change Max # Options to 5

Options: 444444444 Change Max # Options to 8

Item# 1...5...0...5...0...5...0...5...0...56

Include: YYY

Students: 50 # Test Items: 46 Length of Examinee Names/IDs (# characters): 19

DATA: Any character not valid as data will be treated as MISSING DATA --- valid data values are [0-9, A-H, a-h, T, t, F, f]

Examinee ID	Item#	1	1	2	2	3	3	4	44
		1...5...	0...5...	0...5...	0...5...	0...5...	0...5...	0...5...	56
ID #262 Student 35	1314232214231439213223223243342241113313443142								
ID #326 Student 36	1314423114231231212231121342144233413313211222								
ID #376 Student 37	1213121124433431232134143322314234331413211242								
ID #407 Student 38	4314424114431431221323121342323223231413343412								
ID #431 Student 39	1314423114432431121223321342314233133313443342								
ID #478 Student 40	2414423124431131342224221142334314214111423232								
ID #003 Student 41	1314423113421431142233324342343233343423233142								
ID #089 Student 42	1314424114431231214233121343323233331413243339								
ID #162 Student 43	1344422114431231242234321344344243313313243329								
ID #213 Student 44	1314432114411231122233321342323233434312343132								
ID #260 Student 45	4343321444124232214311421341424234313123221212								
ID #314 Student 46	1314423114431131122233121343344231434313313142								
ID #357 Student 47	1334423114231231214233121342324234411413443112								
ID #404 Student 48	1313423114431233141223111342344243433312423242								
ID #427 Student 49	1314423114331231242233122342324243411413243242								
ID #467 Student 50	1313423114431231244231111342344233331312443142								

Cancel Save File OK Close & Analyze

Pilihan ini diabaikan

Berikut ini adalah contoh data yang akan dianalisis

[illegible]

Berikut ini adalah contoh data yang akan dianalisis

Nomor tes atau
nama peserta

Setelah semua data di masukkan kedalam software TAP maka lakukan penyimpanan pada salah satu drive yang anda inginkan dengan cara klik **Save File**

Setelah pengimputan dan penyimpanan file pada drive yang di inginkan, maka langkah selanjutnya adalah melakukan analisis dengan cara **klik close & Analyze.**

File		Data		Convert		Options		Help																																																																	
Title:		UJIAN AKHIR SEKOLAH MENENGAH PERTAMA NEGERI 1 MAKASSAR						(70 character maximum)																																																																	
Comments:		PENGANTAR TEKNOLOGI INFORMATIKA						(70 character maximum)																																																																	
Key:		<table border="1"> <tr> <td>Item#</td> <td>1</td> <td>1</td> <td>2</td> <td>2</td> <td>3</td> <td>3</td> <td>4</td> <td>44</td> </tr> <tr> <td>1...5...</td> <td>0</td> <td>5</td> <td>0</td> <td>5</td> <td>0</td> <td>5</td> <td>0</td> <td>56</td> </tr> </table>								Item#	1	1	2	2	3	3	4	44	1...5...	0	5	0	5	0	5	0	56																																														
Item#	1	1	2	2	3	3	4	44																																																																	
1...5...	0	5	0	5	0	5	0	56																																																																	
Options:		<table border="1"> <tr> <td>Item#</td> <td>1</td> <td>1</td> <td>2</td> <td>2</td> <td>3</td> <td>3</td> <td>4</td> <td>44</td> </tr> <tr> <td>1...5...</td> <td>0</td> <td>5</td> <td>0</td> <td>5</td> <td>0</td> <td>5</td> <td>0</td> <td>56</td> </tr> </table>								Item#	1	1	2	2	3	3	4	44	1...5...	0	5	0	5	0	5	0	56																																														
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1...5...	0	5	0	5	0	5	0	56																																																																	
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Examinee ID	Item#	1	1	2	2	3	3	4	44																																																																
-----	1...5...	0	5	0	5	0	5	0	56																																																																
<table border="1"> <tr> <td>ID #262</td> <td>Student</td> <td>35</td> <td>1314232214231439213223223243342241113313443142</td> </tr> <tr> <td>ID #326</td> <td>Student</td> <td>36</td> <td>1314423114231231212231121342144233413313211222</td> </tr> <tr> <td>ID #376</td> <td>Student</td> <td>37</td> <td>1213121124433431232134143322314234331413211242</td> </tr> <tr> <td>ID #407</td> <td>Student</td> <td>38</td> <td>4314424114431431221323121342323223231413343412</td> </tr> <tr> <td>ID #431</td> <td>Student</td> <td>39</td> <td>1314423114432431121223321342314233133313443342</td> </tr> <tr> <td>ID #478</td> <td>Student</td> <td>40</td> <td>2414423124431131342224221142334314214111423232</td> </tr> <tr> <td>ID #003</td> <td>Student</td> <td>41</td> <td>1314423113421431142233324342343233343423233142</td> </tr> <tr> <td>ID #089</td> <td>Student</td> <td>42</td> <td>1314424114431231214233121343323233331413243339</td> </tr> <tr> <td>ID #162</td> <td>Student</td> <td>43</td> <td>1344422114431231242234321344344243313313243329</td> </tr> <tr> <td>ID #213</td> <td>Student</td> <td>44</td> <td>1314432114411231122233321342323233434312343132</td> </tr> <tr> <td>ID #260</td> <td>Student</td> <td>45</td> <td>4343321444124232214311421341424234313123221212</td> </tr> <tr> <td>ID #314</td> <td>Student</td> <td>46</td> <td>1314423114431131122233121343344231434313313142</td> </tr> <tr> <td>ID #357</td> <td>Student</td> <td>47</td> <td>1334423114231231214233121342324234411413443112</td> </tr> <tr> <td>ID #404</td> <td>Student</td> <td>48</td> <td>1313423114431233141223111342344243433312423242</td> </tr> <tr> <td>ID #427</td> <td>Student</td> <td>49</td> <td>1314423114331231242233122342324243411413243242</td> </tr> <tr> <td>ID #467</td> <td>Student</td> <td>50</td> <td>1313423114431231244231111342344233331312443142</td> </tr> </table>										ID #262	Student	35	1314232214231439213223223243342241113313443142	ID #326	Student	36	1314423114231231212231121342144233413313211222	ID #376	Student	37	1213121124433431232134143322314234331413211242	ID #407	Student	38	4314424114431431221323121342323223231413343412	ID #431	Student	39	1314423114432431121223321342314233133313443342	ID #478	Student	40	2414423124431131342224221142334314214111423232	ID #003	Student	41	1314423113421431142233324342343233343423233142	ID #089	Student	42	1314424114431231214233121343323233331413243339	ID #162	Student	43	1344422114431231242234321344344243313313243329	ID #213	Student	44	1314432114411231122233321342323233434312343132	ID #260	Student	45	4343321444124232214311421341424234313123221212	ID #314	Student	46	1314423114431131122233121343344231434313313142	ID #357	Student	47	1334423114231231214233121342324234411413443112	ID #404	Student	48	1313423114431233141223111342344243433312423242	ID #427	Student	49	1314423114331231242233122342324243411413243242	ID #467	Student	50	1313423114431231244231111342344233331312443142
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<input type="button" value="X Cancel"/> <input type="button" value="Save File"/> <input type="button" value="OK"/> <input checked="" type="button" value="Close & Analyze"/>																																																																									

Setelah melakukan klik pada tombol **Close & Analyze** maka akan tampil hasil seperti berikut:

File Analysis Options Examples Help

INPUT

- ☐ Enter New Data
- ☐ Open TAP file
- ☐ Insert a TEXT file (see Help)
- ☐ Generate Sample Data
- ☒ Edit Data in Data Editor

Analyze (F9)

OUTPUT

Results File: **coba1** .TXT

When Saving FULL Results, also...

- ☒ Save Quick Examinee Results (*.EXM)
- ☒ Save Quick Item Analysis (*.ITM)
- ☒ Save Quick Options Analysis (*.OPT)
- ☐ Save Individual Grade Reports (*.RPT)

Go To Data Editor

HIDE names Title: UJIAN AKHIR SEKOLAH MENENGAH PERTAMA NEGERI 1 MAKASSAR (PENGANTAR TEKNOLOGI)

QUICK EXAMINEE RESULTS

ID	Total Score	Percent	Ltr Grade	~68% C.I. (Raw Score)
ID #003 Student 41	30	65.22%		(29.4- 32.4)
ID #016 Student 31	32	69.57%		(29.4- 34.4)
ID #021 Student 21	36	78.26%		(33.4- 39.4)
ID #034 Student 11	25	54.35%		(22.4- 28.4)
ID #054 Student 01	28	60.87%		(25.4- 31.4)
ID #089 Student 42	34	73.91%		(31.4- 37.4)
ID #097 Student 32	32	69.57%		(29.4- 34.4)
ID #116 Student 22	30	65.22%		(27.4- 32.4)
ID #124 Student 12	27	58.70%		(24.4- 30.4)
ID #145 Student 02	42	91.30%		(39.4- 44.4)
ID #162 Student 43	30	65.22%		(27.4- 32.4)
ID #165 Student 33	33	71.74%		(30.4- 35.4)
ID #188 Student 23	35	76.09%		(32.4- 37.4)
ID #202 Student 13	37	80.43%		(34.4- 39.4)
ID #212 Student 03	38	82.61%		(35.4- 40.4)
ID #213 Student 44	38	82.61%		(35.4- 40.4)

QUICK ITEM ANALYSIS

Item	Key	Number Correct	Item Diff.	Disc. Index	# Correct in High Grp	# Correct in Low Grp
Item 07 (2) #		11	0.22	0.00	3 (0.21)	3
Item 41 (3)		15	0.30	0.50	9 (0.64)	2
Item 18 (2)		15	0.30	0.50	8 (0.57)	1
Item 44 (2) #		15	0.30	-0.07	4 (0.29)	5
Item 36 (3)		25	0.50	0.43	10 (0.71)	4
Item 33 (3)		28	0.56	0.50	11 (0.79)	4
Item 17 (1)		30	0.60	0.79	13 (0.93)	2
Item 23 (1)		30	0.60	0.57	12 (0.86)	4
Item 45 (4) #		33	0.66	0.07	11 (0.79)	10
Item 42 (4) #		33	0.66	0.29	11 (0.79)	7
Item 11 (4) #		33	0.66	0.14	9 (0.64)	7

Secara default tidak memiliki grade

Berikut ini adalah contoh hasil analisis lengkap dengan grade:

TAP: Test Analysis Program (version 12.9.23)

File Analysis Options Examples Help

INPUT

- ☐ Enter New Data
- ☐ Open TAP file
- ☐ Insert a TEXT file (see Help)
- ☐ Generate Sample Data
- ☒ Edit Data in Data Editor

Go To Data Editor

Analyze (F9)

View Full Results & Graphs (F2)

Save Results & Selected Output (F3)

View/Print Quick Examinee full screen (F5)

View/Print Quick Item Analysis full screen (F6)

View/Print Quick Options Analysis (F7)

OUTPUT

Results File: **coba1**.TXT

When Saving FULL Results, also...

- ☒ Save Quick Examinee Results (*.EXM)
- ☒ Save Quick Item Analysis (*.ITM)
- ☒ Save Quick Options Analysis (*.OPT)
- ☐ Save Individual Grade Reports (*.RPT)

HIDE names Title: UJIAN AKHIR SEKOLAH MENENGAH PERTAMA NEGERI 1 MAKASSAR (PENGANTAR TEKNOLOG

QUICK EXAMINEE RESULTS

ID	Total Score	Percent	Ltr Grade	~68% C.I. (Raw Score)
ID #003 Student 41	30	65.22%	D	(27.4- 32.4)
ID #016 Student 31	32	69.57%	C	(29.4- 34.4)
ID #021 Student 21	36	78.26%	C	(33.4- 38.4)
ID #034 Student 11	25	54.35%	F	(22.4- 27.4)
ID #054 Student 01	28	60.87%	D	(25.4- 30.4)
ID #089 Student 42	34	73.91%	C	(31.4- 36.4)
ID #097 Student 32	32	69.57%	C	(29.4- 34.4)
ID #116 Student 22	30	65.22%	D	(27.4- 32.4)
ID #124 Student 12	27	58.70%	F	(24.4- 29.4)
ID #145 Student 02	42	91.30%	A	(39.4- 44.4)
ID #162 Student 43	30	65.22%	D	(27.4- 32.4)
ID #165 Student 33	33	71.74%	C	(30.4- 35.4)
ID #188 Student 23	35	76.09%	C	(32.4- 37.4)
ID #202 Student 13	37	80.43%	B	(34.4- 39.4)
ID #212 Student 03	38	82.61%	B	(35.4- 40.4)
ID #213 Student 44	38	82.61%	B	(35.4- 40.4)

QUICK ITEM ANALYSIS

Item	Key	Number Correct	Item Diff.	Disc. Index	# Correct in High Grp	# Correct in Low Grp
Item 07 (2) #		1				
Item 41 (3)		1				
Item 18 (2)		1				
Item 44 (2) #		1				
Item 38 (4) #		1				
Item 37 (4)		1				
Item 35 (4)		2				
Item 30 (2) #		22	0.33	0.33	9 (0.64)	4
Item 19 (2) #		25	0.38	0.43	10 (0.71)	4
Item 36 (3)		25	0.38	0.43	10 (0.71)	4
Item 33 (3)		2	0.56	0.50	11 (0.79)	4
Item 17 (1)		3	0.60	0.79	13 (0.93)	2
Item 23 (1)		30	0.60	0.57	12 (0.86)	4
Item 45 (4)		33	0.66	0.07	11 (0.79)	10
Item 42 (4)		33	0.66	0.29	11 (0.79)	7
Item 11 (4)		33	0.66	0.14	9 (0.64)	7

Tanda # menandakan ada kriteria yg tidak memenuhi

Untuk menampilkan hasil analisis lengkap dengan grade maka langkah yang harus dilakukan adalah:

Setelah melakukan klik pada “set percentages for grades” maka akan tampil seperti berikut (1):

The screenshot shows a 'Grade Percentages' dialog box. It has two main sections. The first section, 'Choose the number of Grading Categories:', contains five radio button options. The second section, 'Set the minimum percentages for each Grading Category:', contains a table with two columns: 'Grade' and '%'. The table has two rows: 'Pass = 70' and 'Fail'. Below the table are four buttons: 'Save as Defaults', 'Save INI File', 'Read Saved INI File', and 'Delete Saved Defaults'. On the right side, there are three buttons: 'Use Program Defaults', 'Cancel', and 'OK'. A blue arrow points to the 'OK' button.

Choose the number of Grading Categories:

- ☒ 2 Categories (Pass, Fail)
- ☐ 5 Categories (A, B, C, D, F)
- ☐ 12 Categories (A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F)
- ☐ User Defined:
- ☐ No Grading Categories

Set the minimum percentages for each Grading Category:

Grade	%
Pass =	70
Fail	

Buttons:

- Save as Defaults
- Save INI File
- Read Saved INI File
- Delete Saved Defaults
- Use Program Defaults
- Cancel
- OK

Callouts:

- Top Right:** Dipilih salah satu sesuai dengan kehendak penilai
- Left:** Angka ini bisa dirubah sesuai dengan kehendak penilai

Setelah melakukan klik pada “set percentages for grades” maka akan tampil seperti berikut (2):

Grade Percentages

Choose the number of Grading Categories:

☐ 2 Categories (Pass, Fail)
☐ 5 Categories (A, B, C, D, F)
☒ 12 Categories (A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F)
☐ User Defined:
☐ No Grading Categories

Set the minimum percentages for each Grading Category:

Grade	%
A	= 94
A-	= 91
B+	= 88
B	= 84
B-	= 81
C+	= 78
C	= 74
C-	= 71
D+	= 68
D	= 64
D-	= 61
F	

You can change the percentages for any Grading Scheme, but you can only change the labels for the User Defined scheme (note that only the first 4 characters of your User-defined Grading Category names will print in the output).

Save as Defaults
Save INI File
Read Saved INI File
Delete Saved Defaults

Use Program Defaults
X Cancel
OK

Dipilih salah satu sesuai dengan kehendak penilai

Angka ini bisa dirubah sesuai dengan kehendak penilai

Setelah melakukan klik pada “set percentages for grades” maka akan tampil seperti berikut (3):

Grade Percentages

Choose the number of Grading Categories:

- ☐ 2 Categories (Pass, Fail)
- ☐ 5 Categories (A, B, C, D, F)
- ☐ 12 Categories (A, A-, B+, B-, C+, C, C-, D+, D, D-, F)
- ☒ User Defined: Number of Categories (1<N<14):
- ☐ No Grading Categories

Name your Grading Categories and set the minimum percentages for each category:

Grade	%

Fail

You can change the percentages for any Grading Scheme, but you can only change the labels for the User Defined scheme (note that only the first 4 characters of your User-defined Grading Category names will print in the output).

Save as Defaults

Save INI File

Read Saved INI File

Delete Saved Defaults

Use Program Defaults

X Cancel

✓ OK

boat diisi de dan e yg penilai

Dipilih salah satu
sesuai dengan
kehendak penilai

Kolom ini dapat diisi dengan grade dan persentase yg diinginkan penilai

You can change the percentages for any Grading Scheme, but you can only change the labels for the User Defined scheme (note that only the first 4 characters of your User-defined Grading Category names will print in the output).

Setelah melakukan klik pada “set percentages for grades” maka akan tampil seperti berikut (4):

The screenshot shows a dialog box titled "Grade Percentages". The main heading is "Choose the number of Grading Categories:". Below this heading are five radio button options: "2 Categories (Pass, Fail)", "5 Categories (A, B, C, D, F)", "12 Categories (A, A-, B+, B-, C+, C, C-, D+, D, D-, F)", "User Defined:", and "No Grading Categories". The "No Grading Categories" option is selected. A red rectangle highlights the first four options. A blue callout bubble points to these options with the text "Dipilih salah satu sesuai dengan kehendak penilai". Another blue callout bubble points to the "No Grading Categories" option with the text "Pada pilihan ini tidak memiliki grade dan persentase karena yang menjadi pilihan adalah 'No Grading categories'". At the bottom left are four buttons: "Save as Defaults", "Save INI File", "Read Saved INI File", and "Delete Saved Defaults". At the bottom right are three buttons: "Use Program Defaults", "Cancel" (with a red X icon), and "OK" (with a green checkmark icon). A large blue arrow points to the "OK" button. A text box on the right side of the dialog contains the following text: "You can change the percentages for any Grading Scheme, but you can only change the labels for the User Defined scheme (note that only the first 4 characters of your User-defined Grading Category names will print in the output)."

Grade Percentages

Choose the number of Grading Categories:

- ☐ 2 Categories (Pass, Fail)
- ☐ 5 Categories (A, B, C, D, F)
- ☐ 12 Categories (A, A-, B+, B-, C+, C, C-, D+, D, D-, F)
- ☐ User Defined:
- ☒ No Grading Categories

Dipilih salah satu sesuai dengan kehendak penilai

Pada pilihan ini tidak memiliki grade dan persentase karena yang menjadi pilihan adalah "No Grading categories"

You can change the percentages for any Grading Scheme, but you can only change the labels for the User Defined scheme (note that only the first 4 characters of your User-defined Grading Category names will print in the output).

Save as Defaults

Save INI File

Read Saved INI File

Delete Saved Defaults

Use Program Defaults

✗ Cancel

✓ OK

Setelah melakukan klik pada “set percentages for grades” maka akan tampil seperti berikut (5):

The screenshot shows a dialog box titled "Choose the number of Grading Categories:". It contains five radio button options. A red rectangle highlights the second option, "5 Categories (A, B, C, D, F)". A blue speech bubble points to this option with the text "Dipilih salah satu sesuai dengan kehendak penilai".

Below the radio buttons is a section titled "Set the minimum percentages for each Grading Category:". It contains a table with two columns: "Grade" and "%". The table has five rows for grades A, B, C, D, and F. A red rectangle highlights the entire table. A blue speech bubble points to the table with the text "Angka ini bisa dirubah sesuai dengan kehendak penilai".

The table data is as follows:

Grade	%
A	90
B	80
C	70
D	60
F	

At the bottom of the dialog box are several buttons: "Save as Defaults", "Save INI File", "Read Saved INI File", "Delete Saved Defaults", "Use Program Defaults", "Cancel", and "OK". A blue arrow points to the "OK" button. A text box on the right side of the dialog box contains the following text: "You can change the percentages for any Grading Scheme, but you can only change the labels for the User Defined scheme (note that only the first 4 characters of your User-defined Grading Category names will print in the output)."

Setelah melakukan klik pada “set percentages for grades” maka akan tampil seperti berikut (1):

Choose the number of Grading Categories:

☐ 2 Categories (Pass, Fail)
☒ 5 Categories (A, B, C, D, F)
☐ 12 Categories (A, A-, B+, B-, C+, C-, D+, D-, F)
☐ User Defined:
☐ No Grading Categories

Set the minimum percentages for each Grading Category:

Grade	%
A	= 90
B	= 80
C	= 70
D	= 60
F	

Menyimpan skor grade secara secara default

Menggunakan kembali grade yg telah tersimpan dalam program

Save as Defaults

Save INI File

Read Saved INI File

Delete Saved Defaults

Use Program Defaults

Cancel

OK

Setelah melakukan klik pada “set percentages for grades” maka akan tampil seperti berikut (2):

Choose the number of Grading Categories:

☐ 2 Categories (Pass, Fail)
☒ 5 Categories (A, B, C, D, F)
☐ 12 Categories (A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F)
☐ User Defined:
☐ No Grading Categories

Set the minimum percentages for each Grading Category:

Grade	%
A	= 90
B	= 80
C	= 70
D	= 60
F	

You can change the percentages for any Grading Scheme, but you can only change the labels for the User Defined scheme (note that only the

Save as Defaults
Save INI File
Read Saved INI File
Delete Saved Defaults

Use Program Defaults
X Cancel
OK

Menyimpan file skor grade pada file notepad

Keluar & melakukan pembatalan

Untuk melakukan penyimpanan skor grade dengan cara klik “save INI file” maka muncul tampilan seperti berikut:

Untuk menampilkan skor grade yang telah tersimpan pada drive, maka langkah yang dilakukan adalah:

Choose the number of Grading Categories:

☐ 2 Categories (Pass, Fail)
☒ 5 Categories (A, B, C, D, F)
☐ 12 Categories (A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F)
☐ User Defined:
☐ No Grading Categories

Set the minimum percentages for each Grading Category:

Grade	%
A	= 90
B	= 80
C	= 70
D	= 60
F	

You can change the percentages for any Grading Scheme, but you can only change the labels for the User Defined scheme (note that only the first 4 characters of your User-defined Grading Category names will print in the output).

Save as Defaults
Save INI File
Read Saved INI File
Delete Saved Defaults

Membaca file skor grade pada file notepad

Use Program Defaults
Cancel
OK

Setelah melakukan klik pada “Read saved INI file” maka muncul tampilan seperti berikut:

Setelah melakukan open pada file yang telah di pilih,
maka akan muncul tampilan seperti berikut:

Choose the number of Grading Categories:

☐ 2 Categories (Pass, Fail)
☒ 5 Categories (A, B, C, D, F)
☐ 12 Categories (A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F)
☐ User Defined:
☐ No Grading Categories

Set the minimum percentages for each Grading Category:

Grade	%
A	= 90
B	= 80
C	= 70
D	= 60
F	

You can change the percentages for any Grading Scheme, but you can only change the labels for the User Defined scheme (note that only the first 4 characters of your User-defined Grading Category names will print in the output).

Save as Defaults
Save INI File
Read Saved INI File
Delete Saved Defaults

Use Program Defaults
Cancel
OK

Setelah melakukan klik pada tombol “OK” maka langkah selanjutnya adalah melakukan analisis ulang dengan cara seperti berikut:

INPUT

- ☐ Enter New Data
- ☐ Open TAP file
- ☐ Insert a TEXT file (see Help)
- ☐ Generate Sample Data
- ☒ Edit Data in Data Editor

Analyze (F9)

OUTPUT

Results File: **coba1** .TXT

When Saving FULL Results, also...

- ☒ Save Quick Examinee Results (*.EXM)
- ☒ Save Quick Item Analysis (*.ITM)
- ☒ Save Quick Options Analysis (*.OPT)
- ☐ Save Individual Grade Reports (*.RPT)

Go To Data Editor

HIDE names Title: UJIAN AKHIR SEKOLAH MENENGAH PERTAMA NEGERI 1 MAKASSAR (PENGANTAR TEKNOLOG

QUICK EXAMINEE RESULTS

ID	Total Score	Percent	Ltr Grade	~68% C.I. (Raw Score)
ID #054 Student 01	28	60.87%		(25.4- 30.0)
ID #145 Student 02	42	91.30%		(39.4- 44.0)
ID #212 Student 03	38	82.61%		(35.4- 40.0)
ID #256 Student 04	29	63.04%		(26.4- 31.0)
ID #300 Student 05	25	54.35%		(22.4- 27.0)
ID #346 Student 06	36	78.26%		(33.4- 38.0)
ID #402 Student 07	43	93.48%		(40.4- 45.0)
ID #423 Student 08	39	84.78%		(36.4- 41.0)
ID #455 Student 09	40	86.96%		(37.4- 42.0)
ID #543 Student 10	32	69.57%		(29.4- 34.0)
ID #034 Student 11	25	54.35%		(22.4- 27.0)
ID #124 Student 12	27	58.70%		(24.4- 29.0)
ID #202 Student 13	37	80.43%		(34.4- 39.0)
ID #253 Student 14	35	76.09%		(32.4- 37.0)
ID #277 Student 15	28	60.87%		(25.4- 30.0)
ID #345 Student 16	38	82.61%		(35.4- 40.0)

QUICK ITEM ANALYSIS

Item	Key	Number Correct	Item Diff.	Disc. Index	# Correct in High Grp	# Cor in Lo
Item 01 (1)		41	0.82	0.43	14 (1.00)	8
Item 02 (3)		44	0.88	0.36	14 (1.00)	9
Item 03 (1)		37	0.74	0.36	13 (0.93)	8
Item 04 (4) #		40	0.80	0.07	12 (0.86)	11
Item 05 (4)		45	0.90	0.21	13 (0.93)	10
Item 06 (2) #		46	0.92	0.14	13 (0.93)	11
Item 07 (2) #		11	0.22	0.00	3 (0.21)	3
Item 08 (1) #		48	0.96	0.14	14 (1.00)	12
Item 09 (1)		43	0.86	0.43	14 (1.00)	8
Item 10 (4) #		41	0.82	0.14	14 (1.00)	12
Item 11 (4) #		33	0.66	0.14	9 (0.64)	7
Item 12 (3)		37	0.74	0.36	13 (0.93)	8
Item 13 (1)		43	0.86	0.36	14 (1.00)	9
Item 14 (2) #		34	0.68	0.21	12 (0.86)	9
Item 15 (3) #		46	0.92	0.14	14 (1.00)	12
Item 16 (1)		37	0.74	0.57	14 (1.00)	6

Setelah melakukan klik pada tombol “Go To Data Editor” diatas maka akan tampil seperti berikut untuk menganalisis ulang:

[illegible]

Setelah melakukan klik pada tombol “Close & Analyze” maka akan tampil seperti berikut:

File Analysis Options Examples Help

INPUT

- ☐ Enter New Data
- ☐ Open TAP file
- ☐ Insert a TEXT file (see Help)
- ☐ Generate Sample Data
- ☒ Edit Data in Data Editor

Go To Data Editor

Analyze (F9)

View Full Results & Graphs (F2)

Save Results & Selected Output (F3)

View/Print Quick Examinee full screen (F5)

View/Print Quick Item Analysis full screen (F6)

View/Print Quick Options Analysis (F7)

OUTPUT

Results File: **coba1** .TXT

When Saving FULL Results, also...

- ☒ Save Quick Examinee Results (*.EXM)
- ☒ Save Quick Item Analysis (*.ITM)
- ☒ Save Quick Options Analysis (*.OPT)
- ☐ Save Individual Grade Reports (*.RPT)

HIDE names **Title:** UJIAN AKHIR SEKOLAH MENENGAH PERTAMA NEGERI 1 MAKASSAR (PENGANTAR TEKNOLOG

QUICK EXAMINEE RESULTS

ID	Total Score	Percent	Ltr Grade	~68% C.I. (Raw Score)
ID #054 Student 01	28	60.87	D	(25.4- 30.1)
ID #145 Student 02	42	91.30	A	(39.4- 44.0)
ID #212 Student 03	38	82.61	B	(35.4- 40.0)
ID #256 Student 04	29	63.04	D	(26.4- 31.1)
ID #300 Student 05	25	54.35	F	(22.4- 27.0)
ID #346 Student 06	36	78.26	C	(33.4- 38.0)
ID #402 Student 07	43	93.48	A	(40.4- 45.0)
ID #423 Student 08	39	84.78	B	(36.4- 41.0)
ID #455 Student 09	40	86.96	B	(37.4- 42.0)
ID #543 Student 10	32	69.57	C	(29.4- 34.0)
ID #034 Student 11	25	54.35	F	(22.4- 27.0)
ID #124 Student 12	27	58.70	F	(24.4- 29.0)
ID #202 Student 13	37	80.43	B	(34.4- 39.0)
ID #253 Student 14	35	76.09	C	(32.4- 37.0)
ID #277 Student 15	28	60.87	D	(25.4- 30.1)
ID #345 Student 16	38	82.61	B	(35.4- 40.0)

QUICK ITEM ANALYSIS

Item	Key	Number Correct	Item Diff.	Disc. Index	# Correct in High Grp	# Correct in Low Grp
Item 01	(1)	41	0.82	0.43	14 (1.00)	8
Item 02	(3)	44	0.88	0.36	14 (1.00)	9
Item 03	(1)	37	0.74	0.36	13 (0.93)	8
Item 04	(4) #	40	0.80	0.07	12 (0.86)	11
Item 05	(4)	45	0.90	0.21	13 (0.93)	10
Item 06	(2) #	46	0.92	0.14	13 (0.93)	11
Item 07	(2) #	11	0.22	0.00	3 (0.21)	3
Item 08	(1) #	48	0.96	0.14	14 (1.00)	12
Item 09	(1)	43	0.86	0.43	14 (1.00)	8
Item 10	(4) #	41	0.82	0.14	14 (1.00)	12
Item 11	(4) #	33	0.66	0.14	9 (0.64)	7
Item 12	(3)	37	0.74	0.36	13 (0.93)	8
Item 13	(1)	43	0.86	0.36	14 (1.00)	9
Item 14	(2) #	34	0.68	0.21	12 (0.86)	9
Item 15	(3) #	46	0.92	0.14	14 (1.00)	12
Item 16	(1)	37	0.74	0.57	14 (1.00)	6

Untuk menampilkan secara keseluruhan hasil analisis maka langkah yang harus dilakukan adalah:

Klik tombol ini untuk menampilkan semua hasil analisis pada 1 lembar kerja

The screenshot shows a software window titled '2.9.23)'. The 'Analyze (F9)' menu is open, and the 'View Full Results & Graphs (F2)' option is highlighted with a red arrow. A yellow callout box contains the text: 'Klik tombol ini untuk menampilkan semua hasil analisis pada 1 lembar kerja'. The interface also displays two tables: 'QUICK EXAMINEE RESULTS' and 'QUICK ITEM ANALYSIS'.

QUICK EXAMINEE RESULTS

ID	Total Score	Percent	Ltr Grade	~68% C.I. (Raw Score)
ID #003 Student 41	30	65.22%	D	(27.4- 32.4)
ID #016 Student 31	32	69.57%	C	(29.4- 34.4)
ID #021 Student 21	36	78.26%	C	(33.4- 38.4)
ID #034 Student 11	25	54.35%	F	(22.4- 27.4)
ID #054 Student 01	28	60.87%	D	(25.4- 30.4)
ID #089 Student 42	34	73.91%	C	(31.4- 36.4)
ID #097 Student 32	32	69.57%	C	(29.4- 34.4)
ID #116 Student 22	30	65.22%	D	(27.4- 32.4)
ID #124 Student 12	27	58.70%	F	(24.4- 29.4)
ID #145 Student 02	42	91.30%	A	(39.4- 44.4)
ID #162 Student 43	30	65.22%	D	(27.4- 32.4)
ID #165 Student 33	33	71.74%	C	(30.4- 35.4)
ID #188 Student 23	35	76.09%	C	(32.4- 37.4)
ID #202 Student 13	37	80.43%	B	(34.4- 39.4)
ID #212 Student 03	38	82.61%	B	(35.4- 40.4)
ID #213 Student 44	38	82.61%	B	(35.4- 40.4)

QUICK ITEM ANALYSIS

Item	Key	Number Correct	Item Diff.	Disc. Index	# Correct in High Grp	# Correct in Low Grp
Item 07 (2) #		11	0.22	0.00	3 (0.21)	3
Item 41 (3)		15	0.30	0.50	9 (0.64)	2
Item 18 (2)		15	0.30	0.50	8 (0.57)	1
Item 44 (2) #		15	0.30	-0.07	4 (0.29)	5
Item 38 (4) #		19	0.38	0.29	8 (0.57)	4
Item 37 (4)		19	0.38	0.57	11 (0.79)	3
Item 35 (4)		20	0.40	0.79	11 (0.79)	0
Item 30 (2) #		22	0.44	0.36	9 (0.64)	4
Item 19 (2) #		25	0.50	0.43	10 (0.71)	4
Item 36 (3)		25	0.50	0.43	10 (0.71)	4
Item 33 (3)		28	0.56	0.50	11 (0.79)	4
Item 17 (1)		30	0.60	0.79	13 (0.93)	2
Item 23 (1)		30	0.60	0.57	12 (0.86)	4
Item 45 (4) #		33	0.66	0.07	11 (0.79)	10
Item 42 (4) #		33	0.66	0.29	11 (0.79)	7
Item 11 (4) #		33	0.66	0.14	9 (0.64)	7

Setelah melakukan klik pada “ *view full results & graphs (f2)*” akan muncul seperti berikut:

The screenshot shows a window titled "View Results" with a menu bar (File, Edit, Format). The main text area contains the following information:

TITLE: UJIAN AKHIR SEKOLAH MENENGAH PERTAMA NEGERI 1 MAKASSAR
 COMMENT: PENGANTAR TEKNOLOGI INFORMATIKA

 Examinee Analysis

ID	Total Score	Percent	Ltr Grade	~68% C.I. (Raw Score)	~95% C.I. (Raw Score)
ID #003 Student 41	30	65.22%	D	(27.4- 32.6)	(24.7- 35.3)
ID #016 Student 31	32	69.57%	C	(29.4- 34.6)	(26.7- 37.3)
ID #021 Student 21	36	78.26%	C	(33.4- 38.6)	(30.7- 41.3)
ID #034 Student 11	25	54.35%	F	(22.4- 27.6)	(19.7- 30.3)
ID #054 Student 01	28	60.87%	D	(25.4- 30.6)	(22.7- 33.3)
ID #089 Student 42	34	73.91%	C	(31.4- 36.6)	(28.7- 39.3)
ID #097 Student 32	32	69.57%	C	(29.4- 34.6)	(26.7- 37.3)
ID #116 Student 22	30	65.22%	D	(27.4- 32.6)	(24.7- 35.3)
ID #124 Student 12	27	58.70%	F	(24.4- 29.6)	(21.7- 32.3)
ID #145 Student 02	42	91.30%	A	(39.4- 44.6)	(36.7- 46.0)
ID #162 Student 43	30	65.22%	D	(27.4- 32.6)	(24.7- 35.3)
ID #165 Student 33	33	71.74%	C	(30.4- 35.6)	(27.7- 38.3)

At the bottom of the window, there are three buttons: "Bar Chart for Grades", "Bar Chart for Scores", and "Histogram for Scores". A "Close" button with a small icon is also present.

Four blue callout boxes provide instructions:

- Menampilkan grafik model bar chart untuk grade (pointing to the "Bar Chart for Grades" button)
- Menampilkan grafik model bar chart untuk skor (pointing to the "Bar Chart for Scores" button)
- Menampilkan grafik model histogram untuk skor (pointing to the "Histogram for Scores" button)
- Keluar (pointing to the "Close" button)

A note at the bottom of the window states: "Note that you can print the report from the File Menu, but the printing will be better (e.g., page breaks) if you save the report as a text file and then print from a Text Editor (such as NotePad). Any editing changes you make here WILL print, but will NOT be saved."

Setelah melakukan klik pada “ *Bar chart for grades*” akan muncul seperti berikut:

Setelah melakukan klik pada “ *view full results & graphs (f2)*” akan muncul seperti berikut:

The screenshot shows a window titled "View Results" with a menu bar (File, Edit, Format). The main content area displays the following text:

```

TITLE:    UJIAN AKHIR SEKOLAH MENENGAH PERTAMA NEGERI 1 MAKASSAR
COMMENT:  PENGANTAR TEKNOLOGI INFORMATIKA
*****
Examinee Analysis
*****
  
```

ID	Total Score	Percent	Ltr Grade	~68% C.I. (Raw Score)	~95% C.I. (Raw Score)
ID #003 Student 41	30	65.22%	D	(27.4- 32.6)	(24.7- 35.3)
ID #016 Student 31	32	69.57%	C	(29.4- 34.6)	(26.7- 37.3)
ID #021 Student 21	36	78.26%	C	(33.4- 38.6)	(30.7- 41.3)
ID #034 Student 11	25	54.35%	F	(22.4- 27.6)	(19.7- 30.3)
ID #054 Student 01	28	60.87%	D	(25.4- 30.6)	(22.7- 33.3)
ID #089 Student 42	34	73.91%	C	(31.4- 36.6)	(28.7- 39.3)
ID #097 Student 32	32	69.57%	C	(29.4- 34.6)	(26.7- 37.3)
ID #116 Student 22	30	65.22%	D	(27.4- 32.6)	(24.7- 35.3)
ID #124 Student 12	27	58.70%	F	(24.4- 29.6)	(21.7- 32.3)
ID #145 Student 02	42	91.30%	A	(39.4- 44.6)	(36.7- 46.0)
ID #162 Student 43	30	65.22%	D	(27.4- 32.6)	(24.7- 35.3)
ID #165 Student 33	33	71.74%	C	(30.4- 35.6)	(27.7- 38.3)
ID #188 Student 23	35	76.09%	C	(32.4- 37.6)	(29.7- 39.3)
ID #202 Student 13	37	80.43%	C	(34.4- 39.6)	(31.7- 41.3)
ID #212 Student 03	38	82.61%	C	(35.4- 40.6)	(32.7- 43.3)
ID #213 Student 44	38	82.61%	C	(35.4- 40.6)	(32.7- 43.3)
ID #221 Student 34	39	84.78%	C	(36.4- 41.6)	(33.7- 44.3)
ID #237 Student 24	40	86.96%	C	(37.4- 42.6)	(34.7- 45.3)
ID #253 Student 14	35	76.09%	C	(32.4- 37.6)	(29.7- 39.3)

A blue callout box with white text is positioned over the table, stating: "Menampilkan grafik model bar charts untuk skor".

Below the table, a note reads: "Note that you can print this screen from the File Menu, but the printing will be better (e.g., page breaks) if you save the file and then print from a Text Editor (such as NotePad). Any editing changes you make here WILL print, but will NOT be saved."

At the bottom, there are three buttons: "Bar Chart for Grades", "Bar Chart for Scores", and "Histogram for Scores". To the right of these buttons is a "Close" button with a small icon.

Setelah melakukan klik pada “ *Bar chart for scores*” akan muncul seperti berikut:

Setelah melakukan klik pada “ *view full results & graphs (f2)*” akan muncul seperti berikut:

The screenshot shows a window titled "View Results" with a menu bar (File, Edit, Format) and a text area containing the following information:

TITLE: UJIAN AKHIR SEKOLAH MENENGAH PERTAMA NEGERI 1 MAKASSAR
 COMMENT: PENGANTAR TEKNOLOGI INFORMATIKA

 Examinee Analysis

ID	Total Score	Percent	Ltr Grade	~68% C.I. (Raw Score)	~95% C.I. (Raw Score)
ID #003 Student 41	30	65.22%	D	(27.4- 32.6)	(24.7- 35.3)
ID #016 Student 31	32	69.57%	C	(29.4- 34.6)	(26.7- 37.3)
ID #021 Student 21	36	78.26%	C	(33.4- 38.6)	(30.7- 41.3)
ID #034 Student 11	25	54.35%	F	(22.4- 27.6)	(19.7- 30.3)
ID #054 Student 01	28	60.87%	D	(25.4- 30.6)	(22.7- 33.3)
ID #089 Student 42	34	73.91%	C	(31.4- 36.6)	(28.7- 39.3)
ID #097 Student 32	32	69.57%	C	(29.4- 34.6)	(26.7- 37.3)
ID #116 Student 22	30	65.22%	D	(27.4- 32.6)	(24.7- 35.3)
ID #124 Student 12	27	58.70%	F	(24.4- 29.6)	(21.7- 32.3)
ID #145 Student 02	42	91.30%	A	(39.4- 44.6)	(36.7- 46.0)
ID #162 Student 43	30	65.22%	D	(27.4- 32.6)	(24.7- 35.3)
ID #165 Student 33	33	71.74%	C	(30.4- 35.6)	(27.7- 38.3)
ID #188 Student 23	35	76.09%	C	(32.4- 37.6)	(29.7- 40.3)
ID #202 Student 13	37	80.43%	B	(34.4- 39.6)	(31.7- 42.3)
ID #212 Student 03	38	82.61%	B	(35.4- 40.6)	(32.7- 43.3)
ID #213 Student 44	38	82.61%	B	(35.4- 40.6)	(32.7- 43.3)
ID #221 Student 34	39	84.78%	B	(36.4- 41.6)	(33.7- 44.3)
ID #237 Student 24	40	86.96%	B	(37.4- 42.6)	(34.7- 45.3)
ID #253 Student 14	35	76.09%	C	(32.4- 37.6)	(29.7- 40.3)

Note that you can print this screen from the File Menu, but the formatting will be better (e.g., page breaks) if you save the file and then print from a Text Editor (such as NotePad). Any editing changes you make here WILL print, but will NOT be saved.

At the bottom, there are three buttons: "Bar Chart for Grades", "Bar Chart for Scores", and "Histogram for Scores". A blue callout bubble points to the "Histogram for Scores" button with the text: "Menampilkan grafik model histogram untuk skor".

Setelah melakukan klik pada “*Histogram for scores*” akan muncul seperti berikut:

Tampilan hasil analisis butir soal (1)

File Edit Format

TITLE: UJIAN AKHIR SEKOLAH MENENGAH PERTAMA NEGERI 1 MAKASSAR
COMMENT: PENGANTAR TEKNOLOGI INFORMATIKA

Examinee Analysis

ID	Total Score	Percent	Ltr Grade	~68% C.I. (Raw Score)	~95% C.I. (Raw Score)
ID #054 Student 01	28	60.87%	D	(25.4- 30.6)	(22.7- 33.3)
ID #145 Student 02	42	91.30%	A	(39.4- 44.6)	(36.7- 46.0)
ID #212 Student 03	38	82.61%	B	(35.4- 40.6)	(32.7- 43.3)
ID #256 Student 04	29	63.04%	D	(26.4- 31.6)	(23.7- 34.3)
ID #300 Student 05	25	54.35%	F	(22.4- 27.6)	(19.7- 30.3)
ID #346 Student 06	36	78.26%	C	(33.4- 38.6)	(30.7- 41.3)
ID #402 Student 07	43	93.48%	A	(40.4- 45.6)	(37.7- 46.0)
ID #423 Student 08	39	84.78%	B	(36.4- 41.6)	(33.7- 44.3)
ID #455 Student 09	40	86.96%	B	(37.4- 42.6)	(34.7- 45.3)
ID #543 Student 10	32	69.57%	C	(29.4- 34.6)	(26.7- 37.3)
ID #034 Student 11	25	54.35%	F	(22.4- 27.6)	(19.7- 30.3)
ID #124 Student 12	27	58.70%	F	(24.4- 29.6)	(21.7- 32.3)
ID #202 Student 13	37	80.43%	B	(34.4- 39.6)	(31.7- 42.3)
ID #253 Student 14	35	76.09%	C	(32.4- 37.6)	(29.7- 40.3)
ID #277 Student 15	28	60.87%	D	(25.4- 30.6)	(22.7- 33.3)
ID #345 Student 16	38	82.61%	B	(35.4- 40.6)	(32.7- 43.3)
ID #399 Student 17	25	54.35%	F	(22.4- 27.6)	(19.7- 30.3)
ID #411 Student 18	25	54.35%	F	(22.4- 27.6)	(19.7- 30.3)
ID #441 Student 19	40	86.96%	B	(37.4- 42.6)	(34.7- 45.3)

Note that you can print this screen from the File Menu, but the formatting will be better (e.g., page breaks) if you save the file and then print from a Text Editor (such as NotePad). Any editing changes you make here WILL print, but will NOT be saved.

Bar Chart for Grades Bar Chart for Scores Histogram for Scores Close

Tampilan hasil analisis butir soal (2)

ID #478	Student 40	24	52.17%	F	(21.4- 26.6)	(18.7- 29.3)
ID #003	Student 41	30	65.22%	D	(27.4- 32.6)	(24.7- 35.3)
ID #089	Student 42	34	73.91%	C	(31.4- 36.6)	(28.7- 39.3)
ID #162	Student 43	30	65.22%	D	(27.4- 32.6)	(24.7- 35.3)
ID #213	Student 44	38	82.61%	B	(35.4- 40.6)	(32.7- 43.3)
ID #260	Student 45	16	34.78%	F	(13.4- 18.6)	(10.7- 21.3)
ID #314	Student 46	38	82.61%	B	(35.4- 40.6)	(32.7- 43.3)
ID #357	Student 47	34	73.91%	C	(31.4- 36.6)	(28.7- 39.3)
ID #404	Student 48	32	69.57%	C	(29.4- 34.6)	(26.7- 37.3)
ID #427	Student 49	37	80.43%	B	(34.4- 39.6)	(31.7- 42.3)
ID #467	Student 50	32	69.57%	C	(29.4- 34.6)	(26.7- 37.3)

=====

These results have not been sorted (see data editor)

=====

Grading Scale: A = 90, B = 80, C = 70

=====

Number of Examinees = 50
Total Possible Score= 46
Minimum Score = 16.000 = 34.8%
Maximum Score = 43.000 = 93.5%
Median Score = 32.500 = 70.7%
Mean Score = 32.520 = 70.7%
Standard Deviation = 5.818
Variance = 33.850
Skewness = -0.345
Kurtosis = -0.160

Jumlah peserta

Jumlah butir soal

Note that you can print this screen from the File Menu, but the formatting will be better (e.g., page breaks) if you save the file and then print from a Text Editor (such as NotePad). Any editing changes you make here WILL print, but will NOT be saved.

Bar Chart for Grades Bar Chart for Scores Histogram for Scores

Close

Tabel frekuensi

File Edit Format								
Frequency Table								
Score	Z Score	Freq.	Rel. Freq.	Cum. Freq.	Cum. Percent	Percentile Rank	Stanine	Normalized Zn Score
16	-2.84	1	0.020	1	2.00	1.0	1	-2.32
22	-1.81	1	0.020	2	4.00	3.0	1	-1.88
24	-1.46	1	0.020	3	6.00	5.0	2	-1.64
25	-1.29	5	0.100	8	16.00	11.0	3	-1.22
26	-1.12	1	0.020	9	18.00	17.0	3	-0.95
27	-0.95	2	0.040	11	22.00	20.0	3	-0.84
28	-0.78	2	0.040	13	26.00	24.0	4	-0.70
29	-0.61	1	0.020	14	28.00	27.0	4	-0.61
30	-0.43	4	0.080	18	36.00	32.0	4	-0.46
32	-0.09	7	0.140	25	50.00	43.0	5	-0.17
33	0.08	2	0.040	27	54.00	52.0	5	0.05
34	0.25	5	0.100	32	64.00	59.0	5	0.22
35	0.43	2	0.040	34	68.00	66.0	6	0.41
36	0.60	2	0.040	36	72.00	70.0	6	0.52
37	0.77	2	0.040	38	76.00	74.0	6	0.64
38	0.94	4	0.080	42	84.00	80.0	7	0.84
39	1.11	2	0.040	44	88.00	86.0	7	1.08
40	1.29	3	0.060	47	94.00	91.0	8	1.34
42	1.63	1	0.020	48	96.00	95.0	8	1.64
43	1.80	2	0.040	50	100.00	98.0	9	2.05
Totals:		50	1.000					

Note that you can print this screen from the File Menu, but the formatting will be better (e.g., page numbers) and then print from a Text Editor (such as NotePad). Any editing changes you make here will be reflected on the screen.

Bar Chart for Grades Bar Chart for Scores Histogram for Grades Histogram for Scores

Grafik berdasarkan skor peserta tes

Bar Graph

Score	Count	Graph (each @ represents 1 case)
16.00	1	@
17.00	0	
18.00	0	
19.00	0	
20.00	0	
21.00	0	
22.00	1	@
23.00	0	
24.00	1	@
25.00	5	@@@@@
26.00	1	@
27.00	2	@@
28.00	2	@@
29.00	1	@
30.00	4	@@@@
31.00	0	
32.00	7	@@@@@@@
33.00	2	@@
34.00	5	@@@@@
35.00	2	@@
36.00	2	@@
37.00	2	@@
38.00	4	@@@@

Note that you can print this screen from the File Menu, but and then print from a Text Editor (such as NotePad). Any

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=====
Stem-and-Leaf Display
=====
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Stem Leaves (width=10)

```
-----
1 . 6
2 . 24
2 . 55555677889
3 . 000022222223344444
3 . 556677888899
4 . 000233
```

```
=====
Bar Chart for Letter Grades
=====
```

Grade	Count	Graph (each @ represents 1 case)
-----	-----	-----
A	3	@@@
B	11	@@@@@@@@@@@@@
C	18	@@@@@@@@@@@@@@@@@@@@@
D	7	@@@@@@@@
F	11	@@@@@@@@@@@@@

Menampilkan kualitas suatu butir soal (Tingkat kesukaran, daya beda)

View Results

File Edit Format

TITLE: soal ujian
COMMENT: tesses

Item and Test Analysis

Item	Key	Number Correct	Item Diff.	Disc. Index	# Correct in High Grp	# Correct in Low Grp	Point Biser.	Adj. Pt Bis
Item 07 (2)#		11	0.22	0.00	3 (0.21)	3 (0.21)	-0.01	-0.08
Item 08 (3)		15	0.30	0.50	9 (0.64)	2 (0.14)	0.41	0.34
Item 09 (2)		15	0.30	0.50	8 (0.57)	1 (0.07)	0.50	0.43
Item 44 (2)#		15	0.30	-0.07	4 (0.29)	5 (0.36)	-0.05	-0.13
Item 38 (4)#		19	0.38	0.29	8 (0.57)	4 (0.29)	0.28	0.20
Item 37 (4)		19	0.38	0.57	11 (0.79)	3 (0.21)	0.52	0.45
Item 35 (4)		20	0.40	0.79	11 (0.79)	0 (0.00)	0.55	0.49
Item 30 (2)#		22	0.44	0.36	9 (0.64)	4 (0.29)	0.21	0.13
Item 19 (2)#		25	0.50	0.43	10 (0.71)	4 (0.29)	0.28	0.19
Item 36 (3)		25	0.50	0.43	10 (0.71)	4 (0.29)	0.43	0.36
Item 33 (3)		28	0.56	0.50	11 (0.79)	4 (0.29)	0.34	0.26
Item 17 (1)		30	0.60	0.79	13 (0.93)	2 (0.14)	0.62	0.56
Item 23 (1)		30	0.60	0.57	12 (0.86)	4 (0.29)	0.46	0.39
Item 45 (4)#		33	0.66	0.07	11 (0.79)	10 (0.71)	0.12	0.04
Item 42 (4)#		33	0.66	0.29	11 (0.79)	7 (0.50)	0.27	0.20
Item 11 (4)#		33	0.66	0.14	9 (0.64)	7 (0.50)	0.16	0.08
Item 21 (3)		34	0.68	0.36	12 (0.86)	7 (0.50)	0.37	0.30
Item 22 (3)		34	0.68	0.64	14 (1.00)	5 (0.36)	0.50	0.44
Item 14 (2)#		34	0.68	0.21	12 (0.86)	9 (0.64)	0.22	0.15

Tanda “#”
menandakan
butir soal
dpt di
hilangkan, krn
ada kriteria
yg tidak di
penuhi

Daya
beda

1. reliabilitas
Melihat dengan cara menggunakan belah dua dari butir soal yang ada.
2. Melihat reliabilitas dengan cara menggunakan belah dua tetapi dengan membedakan ganjil & genap

```

Item 08 (1 )#    48    0.96    0.14    14 (1.00)    12 (0.86)    0.47    0.45
Item 27 (4 )#    48    0.96    0.14    14 (1.00)    12 (0.86)    0.26    0.23
Item 29 (3 )#    48    0.96    0.07    14 (1.00)    13 (0.93)    0.30    0.27
=====
# marks potential problems (p<0.2 or p>0.9, D<0.2, pbis<0.2, adjpbis<0.2)
These results have been sorted by item difficulty
=====

Number of Items Excluded      = 0
Number of Items Analyzed      = 46
Mean Item Difficulty          = 0.707
Mean Item Discrimination      = 0.311
Mean Point Biserial          = 0.315
Mean Adj. Point Biserial     = 0.253
KR20 (Alpha)                  = 0.794
KR21                           = 0.734
SEM (from KR20)               = 2.642
# Potential Problem Items     = 23
High Grp Min Score (n=14)    = 37.000
Low Grp Max Score (n=14)     = 29.000

Split-Half (1st/ 2nd) Reliability = 0.656 (with Spearman-Brown = 0.792)
Split-Half (Odd/Even) Reliability = 0.544 (with Spearman-Brown = 0.705)

Minimum Item Diff.      = 0.220, Maximum Item Diff.      = 0.960
Minimum Disc. Index     = -0.071, Maximum Disc. Index     = 0.786
Minimum Pt. Biserial    = -0.051, Maximum Pt. Biserial    = 0.620

To obtain a KR-20 Reliability of .80, the test must be 1.04 times longer,
for a total of 48 items of similar quality to those in the test now.

To obtain a KR-20 Reliability of .90, the test must be 2.34 times longer,
for a total of 108 items of similar quality to those in the test now.

*****

```

Additional Item Analysis

Item	Scale Mean if Item Deleted	Scale SD if Item Deleted	KR20 if Item Deleted	SEM if Item Deleted	Biserial Correl.	Adjusted Biserial Correl.
Item 07	32.300	5.835	0.801+	2.605	-0.008	-0.108
Item 41	32.220	5.647	0.787	2.607	0.536	0.445
Item 18	32.220	5.605	0.783	2.609	0.655	0.572
Item 44	32.220	5.859	0.804+	2.596	-0.067	-0.170
Item 38	32.140	5.703	0.792	2.599	0.353	0.252
Item 37	32.140	5.582	0.782	2.605	0.660	0.577
Item 35	32.120	5.563	0.781	2.605	0.699	0.620
Item 30	32.080	5.734	0.795+	2.595	0.266	0.161
Item 19	32.020	5.701	0.793	2.596	0.345	0.242
Item 36	32.020	5.620	0.786	2.600	0.543	0.451
Item 33	31.960	5.671	0.790	2.598	0.422	0.323
Item 17	31.920	5.528	0.778	2.607	0.787	0.716
Item 23	31.920	5.610	0.785	2.603	0.582	0.493
Item 45	31.860	5.779	0.798+	2.597	0.158	0.053
Item 42	31.860	5.706	0.792	2.601	0.355	0.255
Item 11	31.860	5.762	0.797+	2.598	0.205	0.101
.						
.						
.						
.						
Item 05	31.620	5.709	0.788	2.627	0.658	0.581
Item 46	31.620	5.779	0.794+	2.624	0.266	0.179
Item 39	31.620	5.789	0.795+	2.623	0.208	0.120
Item 06	31.600	5.762	0.792	2.628	0.418	0.336
Item 15	31.600	5.786	0.794+	2.626	0.256	0.172
Item 32	31.600	5.793	0.795+	2.626	0.210	0.125
Item 26	31.580	5.738	0.790	2.632	0.709	0.636
Item 08	31.560	5.728	0.788	2.636	1.000	1.000
Item 27	31.560	5.769	0.792	2.634	0.600	0.528
Item 29	31.560	5.762	0.791	2.634	0.680	0.609

=====

+ indicates that KR20 (0.794) improves if the item is removed

Mean Biserial Correlation = 0.464
Minimum Biserial Corr. = -0.067
Maximum Biserial Corr. = 1.000

Table of Specifications Analysis		

=====		
CONTENT AREA ANALYSIS:		
=====		
Content Area	Average Difficulty	Items in Content Area
-----	-----	-----
pengetahuan teknolog	0.802	1, 4, 5, 6, 13, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 35, 39, 40, 43, 46
perakitan komputer	0.576	2, 3, 7, 8, 12, 36, 37, 41, 42, 44, 45
reparasi komputer	0.640	9, 10, 11, 14, 15, 16, 17, 18, 30, 38
=====		
COGNITIVE SKILL LEVEL ANALYSIS:		
=====		
Cognitive Level	Average Difficulty	Items in Cognitive Level
-----	-----	-----
Knowledge	0.725	1, 4, 5, 19, 22, 24, 25, 28, 43, 44, 45
Comprehension	0.818	6, 13, 20, 21, 23, 26, 27, 29, 35, 39, 40, 46
Application	0.625	2, 3, 7, 8, 12, 36, 41, 42
Analysis	0.668	10, 11, 14, 16, 30
Synthesis	0.650	15, 37
Evaluation	0.535	9, 17, 18, 38

=====

CONTENT AND COGNITIVE COMBINED ANALYSIS:

=====

Content Area	Cognitive Level	Avg. Diff.	Items
pengetahuan teknolog	Knowledge	0.780	1, 4, 5, 19, 22, 24, 25, 28, 43
pengetahuan teknolog	Comprehension	0.818	6, 13, 20, 21, 23, 26, 27, 29, 35, 39, 40, 46
pengetahuan teknolog	Application		<no items specified>
pengetahuan teknolog	Analysis		<no items specified>
pengetahuan teknolog	Synthesis		<no items specified>
pengetahuan teknolog	Evaluation		<no items specified>
perakitan komputer	Knowledge	0.480	44, 45
perakitan komputer	Comprehension		<no items specified>
perakitan komputer	Application	0.625	2, 3, 7, 8, 12, 36, 41, 42
perakitan komputer	Analysis		<no items specified>
perakitan komputer	Synthesis	0.380	37
perakitan komputer	Evaluation		<no items specified>
reparasi komputer	Knowledge		<no items specified>
reparasi komputer	Comprehension		<no items specified>
reparasi komputer	Application		<no items specified>
reparasi komputer	Analysis	0.668	10, 11, 14, 16, 30
reparasi komputer	Synthesis	0.920	15
reparasi komputer	Evaluation	0.535	9, 17, 18, 38

Note that you can print this screen from the File Menu, but the formatting will be better (e.g., page b and then print from a Text Editor (such as NotePad). Any editing changes you make here WILL pr

Bar Chart for Grades

Bar Chart for Scores

Histogram for Scores

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*****
Answer Key Analysis
*****
```

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=====
Bar Chart for Correct Answer Usage
=====
```

Answer Key	Count	Graph (each @ represents 1 case)
-----	-----	-----
Option 1/A	10	@@@@@@@@@@
Option 2/B	12	@@@@@@@@@@@@
Option 3/C	13	@@@@@@@@@@@@@@
Option 4/D	11	@@@@@@@@@@@@

```
=====
Bar Chart for Number of Options Usage
=====
```

# Options	Count	Graph (each @ represents 1 case)
-----	-----	-----
2 Options	0	
3 Options	0	
4 Options	46	@@@

Jumlah peserta tes dan jumlah jawaban benar tiap butir

Jumlah
butir soal

ITEMS INCLUDED:

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20
21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40
41, 42, 43, 44, 45, 46

ITEMS EXCLUDED:

No Items were EXCLUDED from the analysis

CORRECT ANSWERS (Item#-Key):

# 1-1	# 2-3	# 3-1	# 4-4	# 5-4	# 6-2	# 7-2	# 8-1	# 9-1	#10-4
#11-4	#12-3	#13-1	#14-2	#15-3	#16-1	#17-1	#18-2	#19-2	#20-2
#21-3	#22-3	#23-1	#24-2	#25-1	#26-3	#27-4	#28-2	#29-3	#30-2
#31-4	#32-2	#33-3	#34-3	#35-4	#36-3	#37-4	#38-4	#39-1	#40-3
#41-3	#42-4	#43-3	#44-2	#45-4	#46-2				

Kunci jawaban
untuk masing2
butir soal

TITLE: soal ujian

Options Analysis

Item Frequencies and Percentages

-- page1

Note that you can print this screen from the File Menu, but the formatting will be better (e.g., page and then print from a Text Editor (such as NotePad). Any editing changes you make here WILL

Menampilkan keberfungsian pengecoh dan letak kunci jawaban tiap butir soal

File Edit Format

Options Analysis

Item Frequencies and Percentages -- page1

* is keyed answer, # is option that discriminates better than keyed answer

Item	Group	Option 1	Option 2	Option 3	Option 4
1	TOTAL	41* (0.820)	4 (0.080)	0 (0.000)	5 (0.100)
	High	14 (1.000)	0 (0.000)	0 (0.000)	0 (0.000)
	Low	8 (0.571)	3 (0.214)	0 (0.000)	3 (0.214)
	Diff	6 (0.429)	-3 (-0.214)	0 (0.000)	-3 (-0.214)
2	TOTAL	1 (0.020)	1 (0.020)	44* (0.880)	4 (0.080)
	High	0 (0.000)	0 (0.000)	14 (1.000)	0 (0.000)
	Low	1 (0.071)	1 (0.071)	9 (0.643)	3 (0.214)
	Diff	-1 (-0.071)	-1 (-0.071)	5 (0.357)	-3 (-0.214)
3	TOTAL	37* (0.740)	0 (0.000)	7 (0.140)	6 (0.120)
	High	13 (0.929)	0 (0.000)	1 (0.071)	0 (0.000)
	Low	8 (0.571)	0 (0.000)	2 (0.143)	4 (0.286)
	Diff	5 (0.357)	0 (0.000)	-1 (-0.071)	-4 (-0.286)
4	TOTAL	0 (0.000)	0 (0.000)	10 (0.200)	40* (0.800)
	High	0 (0.000)	0 (0.000)	2 (0.143)	12 (0.857)
	Low	0 (0.000)	0 (0.000)	3 (0.214)	11 (0.786)
	Diff	0 (0.000)	0 (0.000)	-1 (-0.071)	1 (0.071)

Note that you can print this screen from the File Menu, but the formatting will be better (e.g., page breaks) if you save the file and then print from a Text Editor (such as NotePad). Any editing changes you make here will print, but will NOT be saved.

Option ini tidak berfungsi sga pengecoh krn toption tersebut tdk ada yg memilih

Letak kunci jawaban

Untuk menyimpan hasil analisis, maka langkah yang harus dilakukan adalah:

TAP: Test Analysis Program (version 12.9.23)

File Analysis Options Examples Help

INPUT

☐ Enter New Data

Klik tombol ini →

☒ Edit Data in Data Editor

Go To Data Editor

Analyze (F9)

View Full Results & Graphs (F2)

Save Results & Selected Output (F3)

View/Print Quick Examinee full screen (F5)

View/Print Quick Item Analysis full screen (F6)

View/Print Quick Options Analysis (F7)

OUTPUT

Results File: **coba1**.TXT

When Saving FULL Results, also...

☒ Save Quick Examinee Results (*.EXM)

☒ Save Quick Item Analysis (*.ITM)

☒ Save Quick Options Analysis (*.OPT)

☐ Save Individual Grade Reports (*.RPT)

HIDE names Title: UJIAN AKHIR SEKOLAH MENENGAH PERTAMA NEGERI 1 MAKASSAR (PENGANTAR TEKNOLOG

QUICK EXAMINEE RESULTS

ID	Total Score	Percent	Ltr Grade	~68% C.I. (Raw Score)
ID #003 Student 41	30	65.22%	D	(27.4- 32.4)
ID #016 Student 31	32	69.57%	C	(29.4- 34.4)
ID #021 Student 21	36	78.26%	C	(33.4- 38.4)
ID #034 Student 11	25	54.35%	F	(22.4- 27.4)
ID #054 Student 01	28	60.87%	D	(25.4- 30.4)
ID #089 Student 42	34	73.91%	C	(31.4- 36.4)
ID #097 Student 32	32	69.57%	C	(29.4- 34.4)
ID #116 Student 22	30	65.22%	D	(27.4- 32.4)
ID #124 Student 12	27	58.70%	F	(24.4- 29.4)
ID #145 Student 02	42	91.30%	A	(39.4- 44.4)
ID #162 Student 43	30	65.22%	D	(27.4- 32.4)
ID #165 Student 33	33	71.74%	C	(30.4- 35.4)
ID #188 Student 23	35	76.09%	C	(32.4- 37.4)
ID #202 Student 13	37	80.43%	B	(34.4- 39.4)
ID #212 Student 03	38	82.61%	B	(35.4- 40.4)
ID #213 Student 44	38	82.61%	B	(35.4- 40.4)

QUICK ITEM ANALYSIS

Item	Key	Number Correct	Item Diff.	Disc. Index	# Correct in High Grp	# Correct in Low Grp
Item 07 (2) #		11	0.22	0.00	3 (0.21)	3
Item 41 (3)		15	0.30	0.50	9 (0.64)	2
Item 18 (2)		15	0.30	0.50	8 (0.57)	1
Item 44 (2) #		15	0.30	-0.07	4 (0.29)	5
Item 38 (4) #		19	0.38	0.29	8 (0.57)	4
Item 37 (4)		19	0.38	0.57	11 (0.79)	3
Item 35 (4)		20	0.40	0.79	11 (0.79)	0
Item 30 (2) #		22	0.44	0.36	9 (0.64)	4
Item 19 (2) #		25	0.50	0.43	10 (0.71)	4
Item 36 (3)		25	0.50	0.43	10 (0.71)	4
Item 33 (3)		28	0.56	0.50	11 (0.79)	4
Item 17 (1)		30	0.60	0.79	13 (0.93)	2
Item 23 (1)		30	0.60	0.57	12 (0.86)	4
Item 45 (4) #		33	0.66	0.07	11 (0.79)	10
Item 42 (4) #		33	0.66	0.29	11 (0.79)	7
Item 11 (4) #		33	0.66	0.14	9 (0.64)	7

Setelah melakukan klik pada tombol “*Save results & selected output (F3)*” maka muncul tampilan seperti berikut:

Untuk menampilkan hasil analisis hanya pada skor peserta tes, grade, mean, median dan reliabilitas, maka langkah yang harus dilakukan adalah:

TAP: Test Analysis Program (version 12.9.23)

File Analysis Options Examples Help

INPUT

☐ Enter New Data
☐ Open TAP file

Analyze (F9)

View Full Results & Graphs (F2)
 Save Results & Selected Output (F3)
 View/Print Quick Examinee full screen (F5)
 View/Print Quick Item Analysis full screen (F6)
 View/Print Quick Options Analysis (F7)

OUTPUT

Results File: **coba1** .TXT

When Saving FULL Results, also...

☒ Save Quick Examinee Results (*.EXM)
☒ Save Quick Item Analysis (*.ITM)
☒ Save Quick Options Analysis (*.OPT)
☐ Save Individual Grade Reports (*.RPT)

HIDE names Title: UJIAN AKHIR SEKOLAH MENENGAH PERTAMA NEGERI 1 MAKASSAR (PENGANTAR TEKNOLOG

QUICK EXAMINEE RESULTS

ID	Total Score	Percent	Ltr Grade	~68% C.I. (Raw Score)
ID #003 Student 41	30	65.22%	D	(27.4- 32.4)
ID #016 Student 31	32	69.57%	C	(29.4- 34.4)
ID #021 Student 21	36	78.26%	C	(33.4- 38.4)
ID #034 Student 11	25	54.35%	F	(22.4- 27.4)
ID #054 Student 01	28	60.87%	D	(25.4- 30.4)
ID #089 Student 42	34	73.91%	C	(31.4- 36.4)
ID #097 Student 32	32	69.57%	C	(29.4- 34.4)
ID #116 Student 22	30	65.22%	D	(27.4- 32.4)
ID #124 Student 12	27	58.70%	F	(24.4- 29.4)
ID #145 Student 02	42	91.30%	A	(39.4- 44.4)
ID #162 Student 43	30	65.22%	D	(27.4- 32.4)
ID #165 Student 33	33	71.74%	C	(30.4- 35.4)
ID #188 Student 23	35	76.09%	C	(32.4- 37.4)
ID #202 Student 13	37	80.43%	B	(34.4- 39.4)
ID #212 Student 03	38	82.61%	B	(35.4- 40.4)
ID #213 Student 44	38	82.61%	B	(35.4- 40.4)

QUICK ITEM ANALYSIS

Item	Key	Number Correct	Item Diff.	Disc. Index	# Correct in High Grp	# Correct in Low Grp
Item 07 (2) #		11	0.22	0.00	3 (0.21)	3
Item 41 (3)		15	0.30	0.50	9 (0.64)	2
Item 18 (2)		15	0.30	0.50	8 (0.57)	1
Item 44 (2) #		15	0.30	-0.07	4 (0.29)	5
Item 38 (4) #		19	0.38	0.29	8 (0.57)	4
Item 37 (4)		19	0.38	0.57	11 (0.79)	3
Item 35 (4)		20	0.40	0.79	11 (0.79)	0
Item 30 (2) #		22	0.44	0.36	9 (0.64)	4
Item 19 (2) #		25	0.50	0.43	10 (0.71)	4
Item 36 (3)		25	0.50	0.43	10 (0.71)	4
Item 33 (3)		28	0.56	0.50	11 (0.79)	4
Item 17 (1)		30	0.60	0.79	13 (0.93)	2
Item 23 (1)		30	0.60	0.57	12 (0.86)	4
Item 45 (4) #		33	0.66	0.07	11 (0.79)	10
Item 42 (4) #		33	0.66	0.29	11 (0.79)	7
Item 11 (4) #		33	0.66	0.14	9 (0.64)	7

Setelah melakukan klik pada tombol “ *view/print quick examinee full screen (F5)*” maka muncul tampilan seperti berikut (Cont):

Quick Results Viewer

Save Print Font Close

Quick Examinee Results:
~~~~~

ID		Total Score	Percent	Ltr Grade	~68% C.I. (Raw Score)	~95% C.I. (Raw Score)
ID #054	Student 01	28	60.87%	D	(25.4- 30.6)	(22.7- 33.3)
ID #145	Student 02	42	91.30%	A	(39.4- 44.6)	(36.7- 46.0)
ID #212	Student 03	38	82.61%	B	(35.4- 40.6)	(32.7- 43.3)
ID #256	Student 04	29	63.04%	D	(26.4- 31.6)	(23.7- 34.3)
ID #300	Student 05	25	54.35%	F	(22.4- 27.6)	(19.7- 30.3)
ID #346	Student 06	36	78.26%	C	(33.4- 38.6)	(30.7- 41.3)
ID #402	Student 07	43	93.48%	A	(40.4- 45.6)	(37.7- 46.0)
ID #423	Student 08	39	84.78%	B	(36.4- 41.6)	(33.7- 44.3)
ID #455	Student 09	40	86.96%	B	(37.4- 42.6)	(34.7- 45.3)
ID #543	Student 10	32	69.57%	C	(29.4- 34.6)	(26.7- 37.3)
ID #034	Student 11	25	54.35%	F	(22.4- 27.6)	(19.7- 30.3)
ID #124	Student 12	27	58.70%	F	(24.4- 29.6)	(21.7- 32.3)
ID #202	Student 13	37	80.43%	B	(34.4- 39.6)	(31.7- 42.3)
ID #253	Student 14	35	76.09%	C	(32.4- 37.6)	(29.7- 40.3)
ID #277	Student 15	28	60.87%	D	(25.4- 30.6)	(22.7- 33.3)
ID #345	Student 16	38	82.61%	B	(35.4- 40.6)	(32.7- 43.3)
ID #399	Student 17	25	54.35%	F	(22.4- 27.6)	(19.7- 30.3)
ID #411	Student 18	25	54.35%	F	(22.4- 27.6)	(19.7- 30.3)
ID #441	Student 19	40	86.96%	B	(37.4- 42.6)	(34.7- 45.3)
ID #521	Student 20	43	93.48%	A	(40.4- 45.6)	(37.7- 46.0)
ID #021	Student 21	36	78.26%	C	(33.4- 38.6)	(30.7- 41.3)

Setelah melakukan klik pada tombol “ *view/print quick examinee full screen (F5)*” maka muncul tampilan seperti berikut:

```
ID #314 Student 46      38      82.61% B      (35.4- 40.6) (32.7- 43.3)
ID #357 Student 47      34      73.91% C      (31.4- 36.6) (28.7- 39.3)
ID #404 Student 48      32      69.57% C      (29.4- 34.6) (26.7- 37.3)
ID #427 Student 49      37      80.43% B      (34.4- 39.6) (31.7- 42.3)
ID #467 Student 50      32      69.57% C      (29.4- 34.6) (26.7- 37.3)
=====
These results have not been sorted (see data editor)
=====
Grading Scale:  A    = 90, B    = 80, C    = 70, D    = 60
=====

Number of Examinees = 50
Total Possible Score= 46
Minimum Score       = 16.000 = 34.8%
Maximum Score       = 43.000 = 93.5%
Median Score        = 32.500 = 70.7%
Mean Score          = 32.520 = 70.7%
Standard Deviation  = 5.818
Variance            = 33.850
Skewness            = -0.345
Kurtosis            = -0.160

-----

Number of Items Analyzed= 46
Mean Item Difficulty = 0.707
KR20 (Alpha)        = 0.794
SEM (from KR20)     = 2.642
```

Untuk menyimpan hasil analisis skor, grade, mean, median dan reliabilitas, maka langkah yang harus dilakukan adalah:

Untuk melakukan print pada hasil analisis skor peserta tes, grade, mean, median dan reliabilitas, maka langkah yang harus dilakukan adalah:

Untuk melakukan perubahan besar & kecil suatu huruf dapat dilakukan dengan cara klik “Font” seperti berikut:

Quick Results Viewer

Save Print **Font** Close

Quick Exa
~~~~~

10 pitch Courier New
12 pitch Courier New

Kita dapat memilih salah satu font yang diinginkan

ID	Total Score	Percent	Ltr Grade	~68% C.I. (Raw Score)	~95% C.I. (Raw Score)
ID #054 Student 01	28	60.87%	D	(25.4– 30.6)	(22.7– 33.3)
ID #145 Student 02	42	91.30%	A	(39.4– 44.6)	(36.7– 46.0)
ID #212 Student 03	38	82.61%	B	(35.4– 40.6)	(32.7– 43.3)
ID #256 Student 04	29	63.04%	D	(26.4– 31.6)	(23.7– 34.3)
ID #300 Student 05	25	54.35%	F	(22.4– 27.6)	(19.7– 30.3)
ID #346 Student 06	36	78.26%	C	(33.4– 38.6)	(30.7– 41.3)
ID #402 Student 07	43	93.48%	A	(40.4– 45.6)	(37.7– 46.0)
ID #423 Student 08	39	84.78%	B	(36.4– 41.6)	(33.7– 44.3)
ID #455 Student 09	40	86.96%	B	(37.4– 42.6)	(34.7– 45.3)
ID #543 Student 10	32	69.57%	C	(29.4– 34.6)	(26.7– 37.3)
ID #034 Student 11	25	54.35%	F	(22.4– 27.6)	(19.7– 30.3)
ID #124 Student 12	27	58.70%	F	(24.4– 29.6)	(21.7– 32.3)
ID #202 Student 13	37	80.43%	B	(34.4– 39.6)	(31.7– 42.3)
ID #253 Student 14	35	76.09%	C	(32.4– 37.6)	(29.7– 40.3)
ID #277 Student 15	28	60.87%	D	(25.4– 30.6)	(22.7– 33.3)
ID #345 Student 16	38	82.61%	B	(35.4– 40.6)	(32.7– 43.3)
ID #399 Student 17	25	54.35%	F	(22.4– 27.6)	(19.7– 30.3)
ID #411 Student 18	25	54.35%	F	(22.4– 27.6)	(19.7– 30.3)

Jika ingin keluar dari lembar *Quick results viewer*
klik “Close” seperti berikut:

Untuk menampilkan hasil analisis butir soal, tingkat kesukaran, daya beda dan reliabilitas, maka langkah yang harus dilakukan adalah:

TAP: Test Analysis Program (version 12.9.23)

File Analysis Options Examples Help

INPUT

- ☐ Enter New Data
- ☐ Open TAP file
- ☐ Insert a TEXT file (see Help)
- ☐ Generate Sample Data

Analyze (F9)

- View Full Results & Graphs (F2)
- Save Results & Selected Output (F3)
- View/Print Quick Examinee full screen (F5)
- View/Print Quick Item Analysis full screen (F6)
- View/Print Quick Options Analysis (F7)

OUTPUT

Results File: **coba1**.TXT

When Saving FULL Results, also...

- ☒ Save Quick Examinee Results (*.EXM)
- ☒ Save Quick Item Analysis (*.ITM)
- ☒ Save Quick Options Analysis (*.OPT)
- ☐ Save Individual Grade Reports (*.RPT)

HIDE names Title: UJIAN AKHIR SEKOLAH MENENGAH PERTAMA NEGERI 1 MAKASSAR (PENGANTAR TEKNOLOG

QUICK EXAMINEE RESULTS

ID	Total Score	Percent	Ltr Grade	~68% C.I. (Raw Score)
ID #003 Student 41	30	65.22%	D	(27.4- 32.4)
ID #016 Student 31	32	69.57%	C	(29.4- 34.4)
ID #021 Student 21	36	78.26%	C	(33.4- 38.4)
ID #034 Student 11	25	54.35%	F	(22.4- 27.4)
ID #054 Student 01	28	60.87%	D	(25.4- 30.4)
ID #089 Student 42	34	73.91%	C	(31.4- 36.4)
ID #097 Student 32	32	69.57%	C	(29.4- 34.4)
ID #116 Student 22	30	65.22%	D	(27.4- 32.4)
ID #124 Student 12	27	58.70%	F	(24.4- 29.4)
ID #145 Student 02	42	91.30%	A	(39.4- 44.4)
ID #162 Student 43	30	65.22%	D	(27.4- 32.4)
ID #165 Student 33	33	71.74%	C	(30.4- 35.4)
ID #188 Student 23	35	76.09%	C	(32.4- 37.4)
ID #202 Student 13	37	80.43%	B	(34.4- 39.4)
ID #212 Student 03	38	82.61%	B	(35.4- 40.4)
ID #213 Student 44	38	82.61%	B	(35.4- 40.4)

QUICK ITEM ANALYSIS

Item	Key	Number Correct	Item Diff.	Disc. Index	# Correct in High Grp	# Correct in Low Grp
Item 07 (2) #		11	0.22	0.00	3 (0.21)	3
Item 41 (3)		15	0.30	0.50	9 (0.64)	2
Item 18 (2)		15	0.30	0.50	8 (0.57)	1
Item 44 (2) #		15	0.30	-0.07	4 (0.29)	5
Item 38 (4) #		19	0.38	0.29	8 (0.57)	4
Item 37 (4)		19	0.38	0.57	11 (0.79)	3
Item 35 (4)		20	0.40	0.79	11 (0.79)	0
Item 30 (2) #		22	0.44	0.36	9 (0.64)	4
Item 19 (2) #		25	0.50	0.43	10 (0.71)	4
Item 36 (3)		25	0.50	0.43	10 (0.71)	4
Item 33 (3)		28	0.56	0.50	11 (0.79)	4
Item 17 (1)		30	0.60	0.79	13 (0.93)	2
Item 23 (1)		30	0.60	0.57	12 (0.86)	4
Item 45 (4) #		33	0.66	0.07	11 (0.79)	10
Item 42 (4) #		33	0.66	0.29	11 (0.79)	7
Item 11 (4) #		33	0.66	0.14	9 (0.64)	7

Setelah melakukan klik pada tombol “ *view/print quick item analysis full screen (F6)*” maka muncul tampilan seperti berikut (cont):

Quick Results Viewer									
Save Print Font Close									
Quick Item Analysis Results:									
~~~~~									
Item	Key	Number Correct	Item Diff.	Disc. Index	# Correct in High Grp	# Correct in Low Grp	Point Biser.	Adj. Pt Bis	
Item 01	(1 )	41	0.82	0.43	14 (1.00)	8 (0.57)	0.42	0.36	
Item 02	(3 )	44	0.88	0.36	14 (1.00)	9 (0.64)	0.39	0.34	
Item 03	(1 )	37	0.74	0.36	13 (0.93)	8 (0.57)	0.27	0.20	
Item 04	(4 )#	40	0.80	0.07	12 (0.86)	11 (0.79)	0.14	0.07	
Item 05	(4 )	45	0.90	0.21	13 (0.93)	10 (0.71)	0.39	0.34	
Item 06	(2 )#	46	0.92	0.14	13 (0.93)	11 (0.79)	0.23	0.18	
Item 07	(2 )#	11	0.22	0.00	3 (0.21)	3 (0.21)	-0.01	-0.08	
Item 08	(1 )#	48	0.96	0.14	14 (1.00)	12 (0.86)	0.47	0.45	
Item 09	(1 )	43	0.86	0.43	14 (1.00)	8 (0.57)	0.51	0.47	
Item 10	(4 )#	41	0.82	0.14	14 (1.00)	12 (0.86)	0.10	0.04	
Item 11	(4 )#	33	0.66	0.14	9 (0.64)	7 (0.50)	0.16	0.08	
Item 12	(3 )	37	0.74	0.36	13 (0.93)	8 (0.57)	0.34	0.27	
Item 13	(1 )	43	0.86	0.36	14 (1.00)	9 (0.64)	0.44	0.39	
Item 14	(2 )#	34	0.68	0.21	12 (0.86)	9 (0.64)	0.22	0.15	
Item 15	(3 )#	46	0.92	0.14	14 (1.00)	12 (0.86)	0.14	0.09	
Item 16	(1 )	37	0.74	0.57	14 (1.00)	6 (0.43)	0.51	0.45	
Item 17	(1 )	30	0.60	0.79	13 (0.93)	2 (0.14)	0.62	0.56	
Item 18	(2 )	15	0.30	0.50	8 (0.57)	1 (0.07)	0.50	0.43	
Item 19	(2 )#	25	0.50	0.43	10 (0.71)	4 (0.29)	0.28	0.19	

Setelah melakukan klik pada tombol “ *view/print quick item analysis full screen (F6)*” maka muncul tampilan seperti berikut :

Item 44 (2 )#	15	0.30	-0.07	4 (0.29)	5 (0.36)	-0.05	-0.13
Item 45 (4 )#	33	0.66	0.07	11 (0.79)	10 (0.71)	0.12	0.04
Item 46 (2 )#	45	0.90	0.14	14 (1.00)	12 (0.86)	0.16	0.10

# marks potential problems (p<0.2 or p>0.9, D<0.2, pbis<0.2, adjpbis<0.2)  
These results have been sorted by item number

Number of Items Excluded = 0  
 Number of Items Analyzed = 46  
 Mean Item Difficulty = 0.707  
 Mean Item Discrimination = 0.311  
 Mean Point Biserial = 0.315  
 Mean Adj. Point Biserial = 0.253  
 KR20 (Alpha) = 0.794  
 KR21 = 0.734  
 SEM (from KR20) = 2.642  
 # Potential Problem Items = 23  
 High Grp Min Score (n=14) = 37.000  
 Low Grp Max Score (n=14) = 29.000

Banyak item yg DikeluarKN

Banyak item yg dianalisis

Rata2 tkngkt kesulitan

Rata2 daya beda

Number of Examinees = 50  
 Mean Score = 32.520 = 70.7%  
 Standard Deviation = 5.818

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 TAP: Test Analysis Program (version 12.9.23)
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Untuk menampilkan keberfungsian tiap option pada butir soal, maka langkah yang harus dilakukan adalah:

INPUT

- ☐ Enter New Data
- ☐ Open TAP file
- ☐ Insert a TEXT file (see Help)
- ☐ Generate Sample Data
- ☒ Edit Data in Data Editor

ANALYZE (F9)

- View Full Results & Graphs (F2)
- Save Results & Selected Output (F3)
- View/Print Quick Examinee full screen (F5)
- View/Print Quick Item Analysis full screen (F6)
- View/Print Quick Options Analysis (F7)

OUTPUT

Results File: **coba1**.TXT

When Saving FULL Results, also...

- ☒ Save Quick Examinee Results (*.EXM)
- ☒ Save Quick Item Analysis (*.ITM)
- ☒ Save Quick Options Analysis (*.OPT)
- ☐ Save Individual Grade Reports (*.RPT)

QUICK EXAMINEE RESULTS

ID	Total Score	Percent	Ltr Grade	~68% C.I. (Raw Score)
ID #003 Student 41	30	65.22%	D	(27.4- 32.4)
ID #016 Student 31	32	69.57%	C	(29.4- 34.4)
ID #021 Student 21	36	78.26%	C	(33.4- 38.4)
ID #034 Student 11	25	54.35%	F	(22.4- 27.4)
ID #054 Student 01	28	60.87%	D	(25.4- 30.4)
ID #089 Student 42	34	73.91%	C	(31.4- 36.4)
ID #097 Student 32	32	69.57%	C	(29.4- 34.4)
ID #116 Student 22	30	65.22%	D	(27.4- 32.4)
ID #124 Student 12	27	58.70%	F	(24.4- 29.4)
ID #145 Student 02	42	91.30%	A	(39.4- 44.4)
ID #162 Student 43	30	65.22%	D	(27.4- 32.4)
ID #165 Student 33	33	71.74%	C	(30.4- 35.4)
ID #188 Student 23	35	76.09%	C	(32.4- 37.4)
ID #202 Student 13	37	80.43%	B	(34.4- 39.4)
ID #212 Student 03	38	82.61%	B	(35.4- 40.4)
ID #213 Student 44	38	82.61%	B	(35.4- 40.4)

QUICK ITEM ANALYSIS

Item	Key	Number Correct	Item Diff.	Disc. Index	# Correct in High Grp	# Correct in Low Grp
Item 07 (2) #		11	0.22	0.00	3 (0.21)	3
Item 41 (3)		15	0.30	0.50	9 (0.64)	2
Item 18 (2)		15	0.30	0.50	8 (0.57)	1
Item 44 (2) #		15	0.30	-0.07	4 (0.29)	5
Item 38 (4) #		19	0.38	0.29	8 (0.57)	4
Item 37 (4)		19	0.38	0.57	11 (0.79)	3
Item 35 (4)		20	0.40	0.79	11 (0.79)	0
Item 30 (2) #		22	0.44	0.36	9 (0.64)	4
Item 19 (2) #		25	0.50	0.43	10 (0.71)	4
Item 36 (3)		25	0.50	0.43	10 (0.71)	4
Item 33 (3)		28	0.56	0.50	11 (0.79)	4
Item 17 (1)		30	0.60	0.79	13 (0.93)	2
Item 23 (1)		30	0.60	0.57	12 (0.86)	4
Item 45 (4) #		33	0.66	0.07	11 (0.79)	10
Item 42 (4) #		33	0.66	0.29	11 (0.79)	7
Item 11 (4) #		33	0.66	0.14	9 (0.64)	7

Setelah melakukan klik pada tombol “ *view/print quick options analysis full screen (F7)*” maka muncul tampilan seperti berikut (cont):

Quick Results Viewer					
Save Print Font Close					
Quick Options Analysis Results:					
~~					
* is keyed answer, # is option that discriminates better than keyed answer					
~~					
Item	Group	Option 1	Option 2	Option 3	Option 4

1	TOTAL	41*(0.820)	4 (0.080)	0 (0.000)	5 (0.100)
	High	14 (1.000)	0 (0.000)	0 (0.000)	0 (0.000)
	Low	8 (0.571)	3 (0.214)	0 (0.000)	3 (0.214)
	Diff	6 (0.429)	-3 (-0.214)	0 (0.000)	-3 (-0.214)
2	TOTAL	1 (0.020)	1 (0.020)	44*(0.880)	4 (0.080)
	High	0 (0.000)	0 (0.000)	14 (1.000)	0 (0.000)
	Low	1 (0.071)	1 (0.071)	9 (0.643)	3 (0.214)
	Diff	-1(-0.071)	-1(-0.071)	5 (0.357)	-3(-0.214)
3	TOTAL	37*(0.740)	0 (0.000)	7 (0.140)	6 (0.120)
	High	13 (0.929)	0 (0.000)	1 (0.071)	0 (0.000)
	Low	8 (0.571)	0 (0.000)	2 (0.143)	4 (0.286)
	Diff	5 (0.357)	0 (0.000)	-1(-0.071)	-4(-0.286)
4	TOTAL	0 (0.000)	0 (0.000)	10 (0.200)	40*(0.800)
	High	0 (0.000)	0 (0.000)	2 (0.143)	12 (0.857)
	Low	0 (0.000)	0 (0.000)	3 (0.214)	11 (0.786)
	Diff	0 (0.000)	0 (0.000)	-1(-0.071)	1 (0.071)
5	TOTAL	3 (0.060)	1 (0.020)	1 (0.020)	45*(0.900)
	High	1 (0.071)	0 (0.000)	0 (0.000)	13 (0.929)
	Low	2 (0.143)	1 (0.071)	1 (0.071)	10 (0.714)

Sekian dan terima kasih