Lampiran 1 :

Tabel 2. Ringkasan Daftar Penelitian Terdahulu

No	Nama Peneliti	Judul Penelitian	Hasil Penelitian
1	Keller, 1993	*Conceptualizing, Measuring, and Managing Customer - Based Ekuitas Merek.*	• Ekuitas ketika konsumen bereaksi lebih (kurang) baik terhadap elemen bauran pemasaran untuk merek tersebut dari pada yang mereka lakukan pada elemen bauran pemasaran yang sama ketika dikaitkan dengan nama fiktif atau tanpa nama versi produk atau layanan.
2	Pitta & Katsanis, (1995)	*Understanding Ekuitas Merek for successful brand extension.*	• Studi merek konsumen di pasar yang berbeda menemukan bahwa merek yang sukses ekstensi menghabiskan lebih sedikit untuk iklan daripada produk nama baru yang sebanding.
3	Faircloth *et al.* (2001)	*The Effect of Ekuitas Merek on Brand Attitude and Brand Loyalty in Exhibition*	• kualitas dan citra merek yang dirasakan sebagai komponen ekuitas merek berpengaruh positif terhadap sikap merek, sikap merek terhadap loyalitas merek, dan kesadaran merek terhadap loyalitas merek.
4	Delgado *et al.* (2003)	*Development and validation of a Kepercayaan Merekscale*	• memercayai seseorang secara implisit berarti ada kemungkinan yang cukup tinggi bahwa orang tersebut akan melakukan tindakan yang akan menghasilkan positif, atau setidaknya non-negatif, hasil untuk pertukaran atau pasangan relasionalnya.
5	Bart *et al*. (2005)	*Are the driandrs and role of online trust the same for all web sites and consumers? A large-scale exploratory empirical study*	• Hasilnya menunjukkan bahwa pengaruh penentu kepercayaan online berbeda di seluruh kategori situs dan konsumen.

Tabel 2. Ringkasan Daftar Penelitian Terdahulu (Lanjutan)

No	Nama Peneliti	Judul Penelitian	Hasil Penelitian
6	(Agustin & Singh, 2005)	*Curvilinear effects of consumer loyalty determinants in relational exchanges*	Konsistensi hasil untuk pengaruh nilai, perannya diselaraskan dengan mekanisme higiene, bukan mekanisme bivalen.
7	(Chiou & Droge, 2006)	*Service quality, trust, specific asset investment, and expertise: direct and indirect effects in a satisfaction-loyalty framework*	• Hasilnya mendukung rantai tradisional tetapi juga menunjukkan loyalitas dapat ditingkatkan dengan membangun citra yang dapat dipercaya dan menciptakan aset khusus pertukaran.
8	Su & Rao (2010)	*New Product Preannouncement as a Signaling Strategy: An Audience-Specific Review and Analysis.*	• meninjau literatur yang ada tentang pra-pengumuman produk baru untuk pemasaran yang umum diamati masalah dan untuk mengembangkan pendekatan umum yang berfokus pada audiens sasaran dan insentif dalam mengirimkan sinyal ke setiap audiens dan dampak dari sinyal-sinyal ini.
9	Tung & Ritchie, 2011	*Exploring the essence of memorable tourism experiences.*	• Sementara studi akademis semakin meneliti pariwisata sebagai fungsi dari pengalaman yang tak terlupakan, lebih banyak penelitian dilakukan untuk mengungkap esensi dari apa yang membuat pengalaman tertentu menjadi istimewa, spektakuler, dan pantas untuk diingat.

Tabel 2. Ringkasan Daftar Penelitian Terdahulu (Lanjutan)

No	Nama Peneliti	Judul Penelitian	Hasil Penelitian
10	Marschall, 2012	*Tourism and memory.*	• Pariwisata dan memori paling jelas bersinggungan di area niche wisata warisan, di mana situs bersejarah dan artefak yang diawetkan sebagai perwujudan dari kolektif kenangan dikomodifikasi untuk menarik wisatawan.
11	Kim & Ritchie, 2014	*Cross-cultural validation of a memorable tourism experience scale (MTES).*	• Penelitian ini adalah untuk: meniru temuan psikometri sebelumnya menggunakan sampel responden Taiwan.
12	Manthiou *et al*., 2016	*The incorporation of consumer experience into the branding process: An investigation of name-brand hotels.*	• Temuan menunjukkan bahwa pengalaman merek direpresentasikan sebagai konsep holistik dengan sensorik, aspek afektif, perilaku, dan intelektual. Sementara pengalaman merek mempengaruhi loyalitas merek, dampaknya sebagian dimediasi oleh merek pengetahuan.
13	Martín-Santana *et al*. (2017)	*Antecedents and consequences of destination image gap.*	• Kesenjangan positif dalam citra menghasilkan kepuasan yang lebih besar, yang memiliki dampak positif berdampak pada loyalitas.
14	Yoon & Lee, 2017	*Does customer experience management pay off? Evidence from local versus global hotel brands in South Korea.*	• studi ini memberikan implikasi strategis kritis bahwa manajemen pengalaman pelanggan dapat digunakan untuk mempertahankan keunggulan kompetitif, yang dapat menghasilkan hubungan merek-konsumen yang lebih kuat untuk hotel

Tabel 2. Ringkasan Daftar Penelitian Terdahulu (Lanjutan)

No	Nama Peneliti	Judul Penelitian	Hasil Penelitian
15	Lu & Gursoy, 2017	*Would consumers pay more for nongenetically modified menu items? An examination of factors influencing diners' behavioral intentionss.*	• studi ini memberikan implikasi strategis kritis bahwa manajemen pengalaman pelanggan dapat digunakan untuk mempertahankan keunggulan kompetitif, yang dapat menghasilkan hubungan merek-konsumen yang lebih kuat untuk hotel
16	Chinomona & Maziriri (2017)	*Brand communication, Citra merek and Kepercayaan Merekas antecedents of Loyalitas Merek in gauteng province of South Africa*	• Temuan menunjukkan bahwa kesadaran merek berpengaruh positif dan signifikan terhadap loyalitas merek, asosiasi merek berpengaruh pengaruh positif dan tidak signifikan terhadap loyalitas merek, kualitas produk berpengaruh positif dan signifikan pengaruh terhadap loyalitas merek dan loyalitas merek memberikan pengaruh positif dan signifikan terhadap pembelian maksud.
17	Rajaobelina, 2018	*The impact of customer experience on relationship quality with travel agencies in a multichannel environment.*	• Hasil menunjukkan dimensi berpikir dan merasa sebagai faktor kunci berdampak positif pada kualitas hubungan. Dimensi ACT (di dalam toko) dan SENSE (online) juga ditemukan memengaruhi kualitas hubungan secara positif.

Tabel 2. Ringkasan Daftar Penelitian Terdahulu (Lanjutan)

No	Nama Peneliti	Judul Penelitian	Hasil Penelitian
18	Ong *et al*., 2018	*Impact of Pengalaman Merek on loyalty.*	• Temuan mengungkapkan bahwa berbagai jenis pengalaman merek mempengaruhi masing-masing loyalitas merek sejati pelanggan secara berbeda. Implikasi manajerial dibahas pada bagian pembahasan.
19	Kandampully *et al*., 2018	*Customer experience management in hospitality: A literature synthesis, new understanding, and research agenda.*	• Penelitian ini untuk memajukan penelitian ilmiah tentang manajemen pengalaman pelanggan (CEM) di bidang perhotelan dengan memberikan gambaran yang komprehensif tentang elemen kunci CEM, kerangka kerja untuk mengelola pengalaman pelanggan dan agenda penelitian yang kaya.
20	Rafiq *et al*. (2020)	*The Impact of Logo Shapes Redesign on Loyalitas Merek and Niat Pembelian Kembalis through Brand Attitude*	• menunjukkan bahwa fitur merek (misalnya logo) mungkin memiliki efek yang berbeda pada konsumen reaksi berdasarkan loyalitas merek dan niat membeli kembali sedemikian rupa sehingga konsumen setia sering kali merespons lebih positif daripada logo yang didesain ulang dan membeli kembali produk.
21	(Tran *et al*., 2020)	*University students' insight on Ekuitas Merek*	• Hasilnya terbukti hubungan yang signifikan antara kesadaran merek dan loyalitas merek dan ekuitas merek. Kami juga memverifikasi hubungan antara komunikasi merek, kepercayaan merek, dan citra merek.

Tabel 2. Ringkasan Daftar Penelitian Terdahulu (Lanjutan)

No	Nama Peneliti	Judul Penelitian	Hasil Penelitian
22	(Le Thanh *et al*., 2021)	*Contribution of corporate social responsibility on SMEs' performance in an emerging market – the mediating roles of Kepercayaan Merekand Loyalitas Merek*	• menghasilkan terciptanya cinta, kepercayaan dan kekaguman dari para pemangku kepentingan, pelanggan untuk merek dan perusahaan akan mendapatkan keterlibatan dan dukungan mereka dalam banyak cara.
23	Fandos-Roig *et al.* (2021)	*Does CSR Help to Retain Customers in a Service Company?*	• penelitian ini dilakukan di antara jasa keuangan. Penelitian lebih lanjut harus menguji model di berbagai industri dan negara untuk menentukan generalisasi dan konsistensi temuan penelitian ini.

Lampiran 2:

Tabel 3. Definisi Operasional Variabel

No	Original Questionnaire	Translate	Operasionalisasi Variabel
A	*Citra merek (Liu, 2021)*		
1	*The hotel is prestigious.*	Hotelnya bergengsi.	Menurut saya *skincare* MS Glow merupakan merek yang bermutu.
2	*The hotel tends to attract sophisticated people as guests*	Hotel ini cenderung menarik orang-orang canggih sebagai tamu	Menurut saya *Skincare* MS Glow ini menarik untuk dibeli.
3	*Staying at the hotel makes me feel special.*	Menginap di hotel membuat saya merasa istimewa.	saya merasa puas menggunakan *skincare* MS Glow.
4	*The hotel offers high-class accommodation.*	Hotel ini menawarkan akomodasi kelas atas.	*Skincare* MS Glow menawarkan promo-promo yang ada.
5	*The hotel has an image that is distinct from other brands*	Hotel ini memiliki citra yang berbeda dari merek lain	Menurut saya *Skincare* MS Glow memiliki citra yang berbeda dengan merek lain.
B	*Loyalitas Merek (Liu, 2021)*		
6	*Even when I hear negative information about the hotel, I am still willing to stay at the hotel.*	Bahkan ketika saya mendengar informasi negatif tentang hotel, saya masih bersedia untuk menginap di hotel.	Bahkan ketika saya mendengar informasi negatif tentang *Skincare* MS Glow ini, saya masih tetap akan membelinya.
7	*Even if the price of the hotel was to increase modestly, I would still stay at the hotel.*	Bahkan jika harga hotelnaik sedikit, saya akan tetap tinggal di hotel.	Ketika harga *Skincare* MS Glow ini naik, saya akan tetap membelinya.
8	*I am an advocate of the hotel.*	Saya seorang pendukung hotel.	Saya mendukung pengguna *skincare* MS Glow.
9	*I feel I am a loyal customer of the hotel*	Saya merasa menjadi pelanggan setia hotel	Saya pelangga setia *skincare* MS Glow.
10	*I feel highly attached to the hotel*	Saya merasa sangat terikat dengan hotel	Saya merasa sangat cocok menggunakan MS Glow.

Tabel 3. Definisi Operasional Variabel (lanjutan)

No	Original Questionnaire	Translate	Operasionalisasi Variabel
C	*Pengalaman Merek*		
11	*The color of design in the hotel soothes me.*	Warna desain di hotel menenangkan saya.	Warna *skincare* MS Glow ini sangat bagus.
12	*The music played at the hotel was pleasant.*	Musik yang diputar di hotel itu menyenangkan.	Menurut saya tekstur *skincare* MS Glow nyaman digunakan.
13	*The hotel smells provide a feeling of relaxation.*	Aroma hotel memberikan perasaan rileks.	Aroma *skincare* MS Glow ini sangat wangi.
14	*Staying at the hotel makes me feel warm.*	Menginap di hotel membuat saya merasa hangat.	Membeli *skincare* MS Glow ini membuat saya senang.
15	*The hotel creates a home-like experience.*	Hotel ini menciptakan pengalaman seperti di rumah sendiri.	*skincare* MS Glow ini menciptakan pengalaman hasil pemakaian.
16	*I feel genuinely respected when staying at the hotel.*	Saya merasa benar-benar dihormati ketika menginap di hotel.	Saya merasa benar-benar dihargai ketika membeli *skincare* MS Glow.
17	*The hotel makes me think about precious things*	Hotel membuatku berpikir tentang hal-hal yang berharga	*skincare* MS Glow ini membuat saya berpikir bahwa produk ini sangat bagus.
18	*The hotel décor stimulates my curiosity.*	Dekorasi hotel merangsang rasa ingin tahu saya.	Menggunakan *skincare* MS Glow membuat saya ingin tahu kandungan / isi produk pada skincare MS Glow.
19	*I have wonderful memories of the hotel.*	Saya memiliki kenangan indah tentang hotel.	Saya memiliki kesan yang baik saat menggunakan *skincare* MS Glow.
20	*I feel physically comfortable when staying at the hotel.*	Saya merasa nyaman secara fisik ketika menginap di hotel.	Saya merasa nyaman menggunakan *skincare* MS Glow.
21	*I engage in physical activities when stayingat the hotel.*	Saya melakukan aktivitas fisik saat menginap di hotel.	Saya memakai *skincare* MS Glow ini setalah beraktivitas.

Tabel 3. Definisi Operasional Variabel (lanjutan)

No	Original Questionnaire	Translate	Operasionalisasi Variabel
22	*I feel spoiled at the hotel.*	Saya merasa dimanjakan di hotel.	Saya merasa kulit saya terawat saat menggunakan *skincare* MS Glow lembap.
23	*The hotel environment is clean.*	Lingkungan hotel bersih.	Menurut saya tampilan produk *skincare* MS Glow bagus.
24	*I feel personally safe when staying at The hotel.*	Saya pribadi merasa aman saat menginap di hotel.	Saya pribadi merasa aman memakai *skincare* MS Glow.
25	*The hotel is elegant.*	Hotelnya elegan.	Desain *skincare* MS Glow ini sangat elegan.
26	*I can discover new things at the hotel.*	Saya dapat menemukan hal-hal baru di hotel.	Saya mendapatkan perubahan setelah memakai *skincare* MS Glow.
27	*I felt like I was important when staying at the hotel*	Saya merasa penting ketika menginap di hotel	Saya merasa penting untuk melakukan perawatan wajah dengan *skincare* MS Glow.
28	*The hotel induces my feeling of self-identity.*	Hotel menginduksi perasaan identitas diri saya.	Saya merasa lebih percaya diri saat menggunakan *skincare* MS Glow.
D	*Kepercayaan Merek(Chaudhuri and Holbrook, 2001)*		
29	*Brand is perceived trustworthy*	Dianggap dapat dipercaya	Menurut saya *skincare* MS Glow dapat dipercaya.
30	*Brand is perceived safe*	Dianggap aman	*skincare* MS Glow ini sangat aman.
31	*Brand is perceived trustworthy*	Dianggap dapat dipercaya	*skincare* MS Glow sangat di percaya karena sudah BPOM.
32	*Customers reply on brand*	Membalas merek	Menurut saya secara umum Riview *skincare* MS Glow dari pengguna adalah bagus.

Tabel 3. Definisi Operasional Variabel (lanjutan)

No	Original Questionnaire	Translate	Operasionalisasi Variabel
33	*Customers feel overall secure about the brand*	Pelanggan merasa aman secara keseluruhan tentang merek	Secara keseluruhan MS Glow dapat dikatakan aman dan baik untuk digunakan karena sudah ada izin BPOM dan berlabel halal MUI.
E	*Komunikasi Merek(Chinomona, 2016)*		
34	*The advertising of this brand are good*	Iklan merek ini bagus	Menurut saya Iklan dan promosi *skincare* MS Glow ini bagus.
35	*The promotions of this brand do good job*	promosi merek ini berfungsi dengan baik	Promosi *skincare* MS Glow menarik
36	*I am happy with the advertising and promotions of this brand*	Saya senang dengan iklan dan promosi merekini	Saya senang dengan iklan dan promosi *skincare* MS Glow ini.
37	*I like the advertising and promotions of this*	Saya suka iklan dan promosi ini	Saya suka dengan iklan dan promosi MS Glow.
F	*Repurchase intention (Rafiq et al., 2021)*		
38	*I will continue to purchase this brand's products in the future*	Saya akan terus membeli produk merek ini di masa mendatang.	Saya akan terus menggunakan *skincare* MS Glow yang saya gunakan saat ini.
39	*In the future, I hope to continue buying goods from that brand*	Di masa depan, saya berharap untuk terus membeli barang dari merek itu.	Saya berharap untuk terus membeli produk-produk dari merek MS Glow.
40	*I'd like to continue to use this brand to purchase products*	Saya ingin terus menggunakan merek ini untuk membeli produk.	Saya ingin terus menggunakan produk merek MS Glow untuk perawatan wajah dan tubuh.
41	*Although other brands offer better options, I prefer the brand TA.*	Meskipun merek lain menawarkan pilihan yang lebih baik, saya lebih memilih merek TA.	Meskipun merek lain menawarkaan pilihan yang lebih baik, saya akan memilih merek MS Glow.

Tabel 3. Definisi Operasional Variabel (lanjutan)

No	Original Questionnaire	Translate	Operasionalisasi Variabel
G	*Ekuitas Merek (Sasmita and Mohd Suki, 2015)*		
42	*I believe this Brand is superior in every way.*	Saya percaya Merek ini lebih unggul dalam segala hal.	Saya percaya MS Glow memiliki ke unggul dalam segala hal.
43	*it makes sense to buy this purchased brand instead of any other brand, even if they are the same.*	Masuk akal untuk membeli merek yang dibeli ini daripada merek lain, meskipun merek itu sama	Menurut saya apabila ada produk *skincare* merek lain, saya tetap membeli *skincare* MS Glow.
44	*Even if another brand has the same features as this purchased brand, I would prefer to buy this brand*	Bahkan jika merek lain memiliki fitur yang sama dengan merek yang dibeli ini, saya akan lebih memilih untuk membeli merek ini	Menurut saya apabila ada merek lain yang menawarkan manfaat dan khasiat yang sama, hal yang masuk akal apabila saya tetap membeli *skincare* MS Glow.
45	*I am aware of this company*	Saya mengetahui perusahaan ini	Saya mengetahui perusahaan yang memproduksi *skincare* MS Glow.

Lampiran 3

Kuesioner Penelitian Final

Assalamualaikum wr. wb.

Salam Sehat untuk kita semua, Kepada para responden yang terhormat, perkenalkan saya Melliyana Anggraeni Fakultas Ekonomi dan Bisnis Universitas Esa Unggul. Sehubungan dengan penyelesaian tugas akhir saya untuk mengetahui MENINGKATKAN NIAT PEMBELIAN KEMBALI MELALUI LOYALITAS MEREK DAN CITRA MEREK TERHADAP *SKINCARE* (studi pada pengguna *skincare* MS Glow).

Sehubungan dengan hal tersebut dalam kesempatan ini saya mengharapkan kesediaannya untuk meluangkan waktu untuk mengisi kuesioner berikut.

Seluruh data, identitas dan jawaban Anda pada kuesioner ini akan dijaga kerahasiaanya dan hanya digunakan untuk kepentingan karya ilmiah atau penelitian. Dalam pengisian kuesioner ini tidak ada jawaban BENAR atau SALAH. Sehingga, saya mengharapkan Anda dapat mengisi setiap pertanyaan dan pernyataan pada kuesioner ini sesuai dengan pengalaman dalam menggunakan *skincare* MS Glow.

Atas partisipasi dan ketersediaan waktu Anda dalam mengisi kuesioner ini, saya ucapkan terimakasih.

A. Data Responden

1. Apakah anda pengguna *skincare* MS Glow*

- ◯ Ya
- ◯ Tidak

Jika Ya silahkan lanjut ke pertanyaan berikutnya.

2. Nama/ Inisial*

_____

3. Jenis kelamin*

- ◯ Perempuan
- ◯ Laki-laki

4. Usia*

- ◯ <17 Tahun
- ◯ 17 – 24 Tahun
- ◯ 25 – 35 Tahun
- ◯ 35 – 45 Tahun
- ◯ > 45 Tahun

5. Pendidikan Terakhir Anda*

- ◯ SD
- ◯ SMP
- ◯ SMA/SMK

- ◯ Diploma
- ◯ S1
- ◯ S2/S3

6. Pekerjaan Anda*
- ◯ Pelajar
- ◯ Mahasiswa
- ◯ Karyawan Suwasta
- ◯ Pegawai Negri
- ◯ Wirasuwasta
- ◯ Ibu Rumah Tangga

7. Tempat Tinggal Saat Ini*
- ◯ Jakarta
- ◯ Bogor
- ◯ Depok
- ◯ Tangerang
- ◯ Bekasi

8. Dari mana Anda mengetahui produk *skincare* MS Glow (pilih salah satu jawaban)*
- ◯ Youtube
- ◯ Instagram
- ◯ Rekomendasi teman/keluarga
- ◯ Tiktok
- ◯ Facebook

9. Frekuensi Pembelian *Skincare* MS Glow tersebut dalam kurun waktu 1 tahun *
- ◯ 1-3x
- ◯ 4-6x
- ◯ >6x

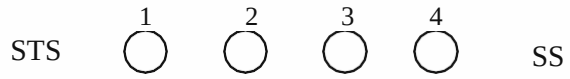
10. Berapa rata-rata pengeluaran anda untuk pembelian *skincare* dan perawatan wajah dalam 1 bulan*
- ◯ >2.000.000
- ◯ 1.500.000 – 2.000.000
- ◯ 1.000.000 – 1.499.000
- ◯ 500.000 – 999.999
- ◯ <500.000

Petunjuk Pengisian Bagian Berikutnya

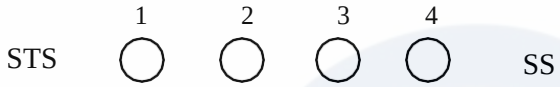
Pengisian bagian berikutnya berdasarkan pengalaman Anda menggunakan MS Glow, dengan petunjuk pengisian sebagai berikut :

1. STS : Sangat Tidak Setuju
2. TS : Tidak Setuju
3. S : Setuju
4. SS : Sangat Setuju

1. Menurut saya *skincare* MS Glow merupakan merek yang bermutu. *

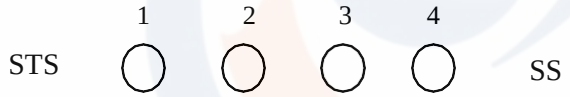


2. *Skincare* MS Glow ini menarik untuk dibeli. *



3. Saya merasa puas menggunakan *skincare* MS Glow. *

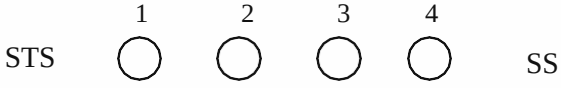
4. Menurut saya *Skincare* MS Glow memiliki citra yang berbeda dengan merek lain. *



5. Saya mendukung penggunaan *skincare* MS Glow. *

6. Saya pelanggan setia *skincare* MS Glow. *

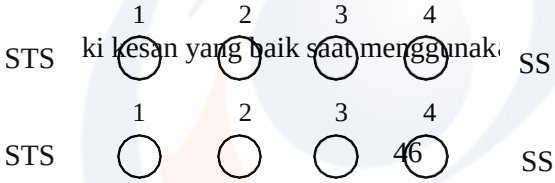
7. Saya merasa sangat cocok menggunakan MS Glow.. *



8. Menurut saya tekstur *skincare* MS Glow nyaman digunakan. *

9. Menggunakan *skincare* MS Glow membuat saya ingin tahu kandungan / isi produk pada *skincare* MS Glow. *

10. Saya[illegible] ki kesan yang baik saat menggunak[illegible] *care* MS Glow. *



11. Saya merasa nyaman menggunakan *skincare* MS Glow. *

	1	2	3	4	
STS	○	○	○	○	SS

12. Saya merasa kulit saya terawat saat menggunakan *skincare* MS Glow lembap. *

	1	2	3	4	
STS	○	○	○	○	SS

13. Menurut saya tampilan produk *skincare* MS Glow bagus. *

	1	2	3	4	
STS	○	○	○	○	SS

14. Saya pribadi merasa aman memakai *skincare* MS Glow.. *

	1	2	3	4	
STS	○	○	○	○	SS

15. Saya merasa penting untuk melakukan perawatan wajah dengan *skincare* MS Glow. *

	1	2	3	4	
STS	○	○	○	○	SS

16. Saya merasa lebih percaya diri saat menggunakan *skincare* MS Glow. *

	1	2	3	4	
STS	○	○	○	○	SS

17. Menurut saya *skincare* MS Glow dapat dipercaya. *

	1	2	3	4	
STS	○	○	○	○	SS

18. Menurut saya secara umum Riview dari pengguna *skincare* MS Glow bagus. *

	1	2	3	4	
STS	○	○	○	○	SS

19. Secara keseluruhan MS Glow dapat dikatakan aman dan baik untuk digunakan karena sudah ada izin BPOM dan berlabel halal MUI. *

	1	2	3	4	
STS	○	○	○	○	SS

20. Menurut saya Iklan dan promosi *skincare* MS Glow ini bagus. *

	1	2	3	4	
STS	○	○	○	○	SS

21. Promosi *skincare* MS Glow menarik.

	1	2	3	4	
STS	○	○	○	○	SS

22. Saya suka dengan iklan dan promosi MS Glow. *

	1	2	3	4	
STS	◯	◯	◯	◯	SS

23. Saya akan terus menggunakan *skincare* MS Glow yang saya gunakan saat ini. *

	1	2	3	4	
STS	◯	◯	◯	◯	SS

24. Saya berharap untuk terus membeli produk-produk dari merek MS Glow. *

	1	2	3	4	
STS	◯	◯	◯	◯	SS

25. Saya ingin terus menggunakan produk merek MS Glow untuk perawatan wajah dan tubuh. *

	1	2	3	4	
STS	◯	◯	◯	◯	SS

26. Meskipun merek lain menawarkaan pilihan yang lebih baik, saya akan memilih merek MS Glow. *

	1	2	3	4	
STS	◯	◯	◯	◯	SS

27. Saya percaya MS Glow memiliki ke unggul dalam segala hal. *

	1	2	3	4	
STS	◯	◯	◯	◯	SS

28. Menurut saya apabila ada produk *skincare* merek lain, saya tetap membeli *skincare* MS Glow. *

	1	2	3	4	
STS	◯	◯	◯	◯	SS

29. Menurut saya apabila ada merek lain yang menawarkan manfaat dan khasiat yang sama, hal yang masuk akal apabila saya tetap membeli *skincare* MS Glow. *

	1	2	3	4	
STS	◯	◯	◯	◯	SS

30. Saya mengetahui perusahaan yang memproduksi *skincare* MS Glow. *

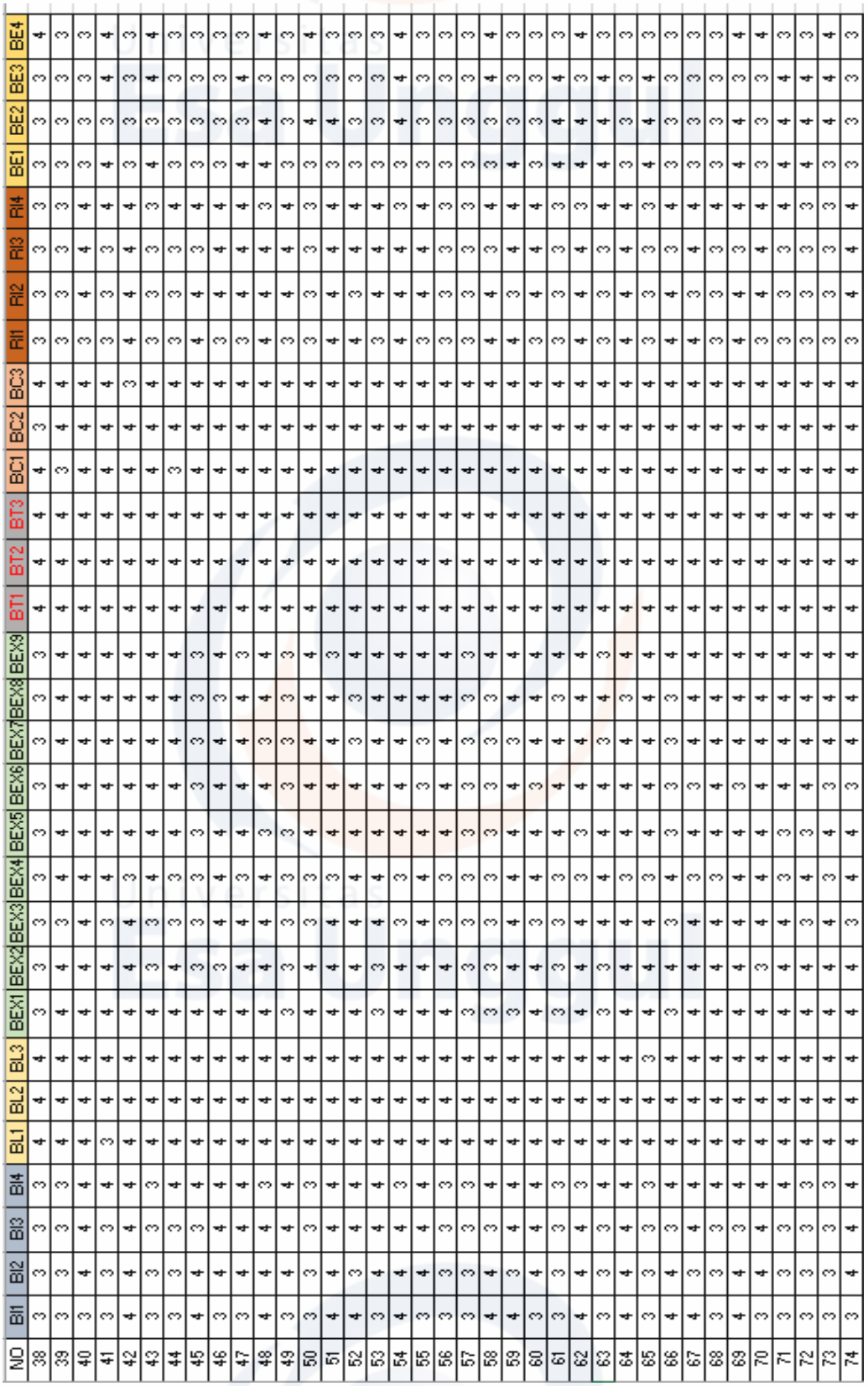
	1	2	3	4	
STS	◯	◯	◯	◯	SS

Lampiran 4
Data Responden Penelitian

A. Input Data Penelitian

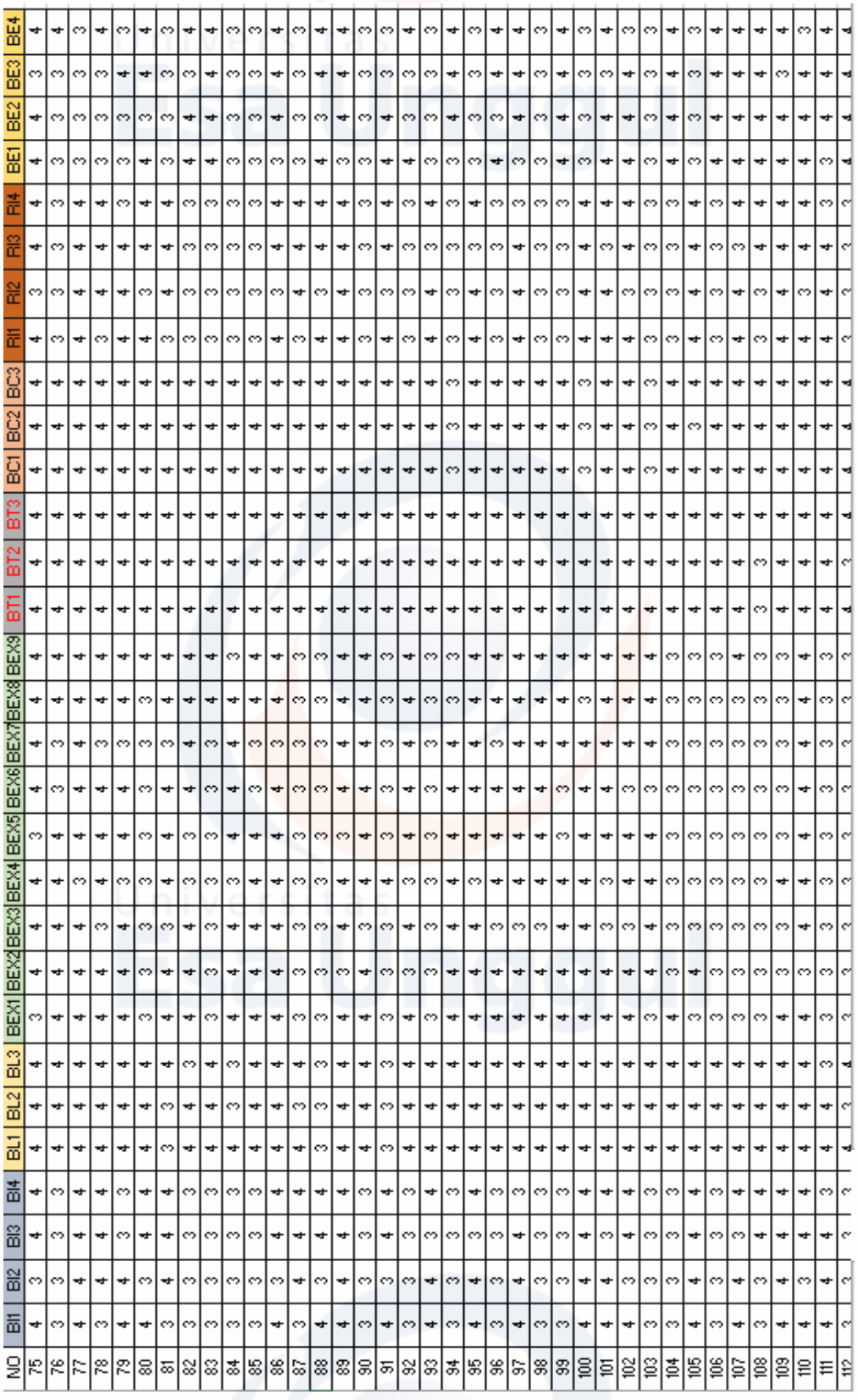
NO	BI1	BI2	BI3	BI4	BL1	BL2	BL3	BEX1	BEX2	BEX3	BEX4	BEX5	BEX6	BEX7	BEX8	BEX9	BT1	BT2	BT3	BC1	BC2	BC3	RI1	RI2	RI3	RI4	BE1	BE2	BE3	BE4
1	3	3	3	3	4	4	4	3	3	4	3	4	3	3	3	4	4	4	3	4	4	4	3	3	3	3	3	3	3	3
2	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	3	4	4	3	4	4	4	4	4	4	4	4	4	4	4
3	4	3	3	3	4	3	4	4	3	4	3	4	3	4	3	4	4	3	4	4	3	4	4	4	3	3	3	3	3	3
4	4	4	3	4	4	4	4	4	3	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	3	3	4	3	4	4	4	3	3	3	3	3	3	3	4	4	4	4	4	4	3	4	4	3	4	3	3	4	3	4
6	4	3	3	3	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	4	4
7	3	3	3	3	4	4	4	4	4	3	3	3	3	3	3	3	4	4	4	4	4	4	4	3	3	3	4	4	4	4
8	3	3	3	3	4	4	3	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3
9	4	4	4	4	4	4	3	4	4	4	4	4	3	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	3	4
10	3	4	3	4	3	4	3	3	4	3	4	3	4	3	4	3	3	4	3	4	3	3	4	4	3	4	4	3	4	3
11	4	4	3	4	4	4	4	3	4	3	4	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4
12	4	3	3	4	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3	4	4	4	3	3	3	4	4	3	3	3
13	3	3	3	3	3	3	3	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4
14	4	4	4	3	4	4	4	4	4	3	4	4	3	4	4	4	4	4	4	4	4	4	4	4	3	4	4	3	4	3
15	4	3	3	4	3	3	3	4	4	3	4	4	3	4	4	4	4	4	4	4	4	4	4	3	3	3	3	4	3	4
16	1	1	3	3	4	4	4	4	3	4	4	3	3	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
17	3	3	3	3	3	4	3	3	3	4	3	3	4	4	3	4	3	3	3	4	4	4	4	3	3	4	4	3	3	3
18	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3	3	4	4	4	4	4	4	4	3	3	3	3	3	3	3
19	3	3	3	3	4	4	4	4	4	3	4	3	3	3	3	3	4	4	4	4	4	4	4	3	3	3	3	3	3	3
20	4	3	4	4	4	4	4	4	4	3	3	3	3	3	3	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4
21	3	3	3	3	4	4	4	4	4	3	3	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	4	3	3	3
22	4	4	3	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
23	4	3	4	4	4	4	4	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	3	4	4	3	3	4	4
24	4	4	4	3	4	4	4	4	4	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	4	4	4
25	4	4	3	4	4	4	4	3	4	4	3	4	3	4	4	4	4	4	4	4	4	4	4	3	4	4	4	3	3	4
26	3	4	4	4	4	4	4	3	3	4	4	3	3	4	3	3	4	4	4	4	4	3	4	4	4	4	4	4	4	4
27	4	4	4	3	4	4	4	3	4	3	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	3	4	3	3
28	3	3	3	3	4	4	4	4	4	4	4	3	3	4	4	4	4	4	4	4	4	4	4	3	3	3	4	3	4	3
29	4	4	3	4	4	4	4	4	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	3	4	3	4	3	3	3
30	4	3	4	4	4	4	4	4	4	4	3	3	3	4	3	3	4	4	4	4	4	4	4	3	3	4	4	3	3	3
31	3	3	3	3	4	4	4	4	3	3	4	4	4	4	4	3	4	4	4	4	4	4	4	3	3	4	4	3	3	3
32	4	4	3	4	4	4	4	4	4	4	4	3	3	4	3	3	4	4	4	4	4	4	4	4	4	4	3	4	4	3
33	3	3	3	3	4	3	4	4	4	4	3	4	4	4	3	3	4	4	4	4	4	4	4	3	3	3	3	4	4	4
34	4	4	3	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	3	3	3
35	3	3	3	3	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3
36	3	3	3	3	4	3	4	4	3	4	4	4	3	4	4	4	4	4	4	4	4	4	4	3	3	3	3	4	3	3
37	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3

Input Data Penelitian (lanjutan)



NO	BI1	BI2	BI3	BI4	BL1	BL2	BL3	BEX1	BEX2	BEX3	BEX4	BEX5	BEX6	BEX7	BEX8	BEX9	BT1	BT2	BT3	BC1	BC2	BC3	RI1	RI2	RI3	RI4	BE1	BE2	BE3	BE4
38	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	4	4	4	4	3	4	3	3	3	3	3	3	3	4
39	3	3	3	3	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	3	4	4	3	3	3	3	3	3	3	3
40	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	3	3	3	3
41	3	3	3	4	3	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	4	4	3	4	4
42	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	3	4	4	4	4	4	3	4	4	4	4	4	3	3	3
43	3	3	3	3	4	4	4	4	3	3	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	4	4	4	4
44	3	3	3	4	4	4	4	4	4	3	3	4	4	4	4	4	4	4	4	3	4	4	3	3	3	4	3	3	3	3
45	4	4	3	4	4	4	4	4	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3	3	3	3	3	3	3
46	3	4	4	4	4	4	4	4	3	4	4	4	4	4	3	4	4	4	4	4	4	4	3	4	4	4	3	3	4	4
47	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	3	4	4	4	4	3	4	3
48	4	4	4	3	4	4	4	4	4	4	4	3	4	3	4	4	4	4	4	4	4	4	4	4	4	3	4	4	3	4
49	3	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	4	4	4	3	3	3	3
50	3	3	3	3	4	4	4	4	4	3	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	4	3
51	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	3	4	3
52	4	3	4	4	4	4	4	4	4	4	4	4	4	3	3	4	4	4	4	4	4	4	4	3	4	4	3	3	3	3
53	3	4	4	4	4	4	4	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	3	3	3	3
54	4	4	4	3	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	4	4	4
55	3	4	4	4	4	4	4	4	4	4	4	4	3	3	4	4	4	4	4	4	4	4	3	4	4	4	3	3	3	3
56	3	3	3	3	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3
57	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3	3	3	3	3	3	3
58	4	4	3	4	4	4	4	3	3	3	4	3	4	3	3	4	4	4	4	4	4	4	4	4	3	4	3	4	4	4
59	4	3	4	4	4	4	4	3	4	4	4	4	4	3	4	4	4	4	4	4	4	4	3	4	4	4	4	3	3	3
60	3	4	4	4	4	4	4	4	4	3	4	4	3	4	4	4	4	4	4	4	4	4	3	4	3	3	4	3	3	3
61	3	3	3	3	4	4	4	3	3	3	3	4	4	4	3	4	4	4	4	4	4	4	3	3	3	3	4	4	4	3
62	4	4	4	3	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	3	4
63	3	3	3	4	4	4	4	3	3	4	4	4	4	3	4	3	4	4	4	4	4	4	3	3	4	4	4	4	4	3
64	4	4	4	4	4	4	4	4	4	4	3	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3
65	3	3	3	3	4	4	3	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	3	3	4	3	4	4	3	3
66	4	4	3	4	4	4	4	3	4	3	4	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3
67	4	3	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	3	4	4	4	3	3	3
68	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	4	4	3	3	3
69	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4
70	3	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	3	3	4
71	3	3	3	4	4	4	4	4	4	3	4	3	4	4	4	4	4	4	4	4	4	4	3	3	3	3	4	4	4	3
72	3	3	3	3	4	4	4	4	4	3	4	3	4	3	4	4	4	4	4	4	4	4	3	3	3	3	4	4	4	3
73	3	3	3	3	4	4	4	4	4	4	3	4	3	4	4	4	4	4	4	4	4	4	3	3	3	3	3	4	4	4
74	3	4	4	4	4	4	4	4	4	3	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3

Input Data Penelitian (lanjutan)

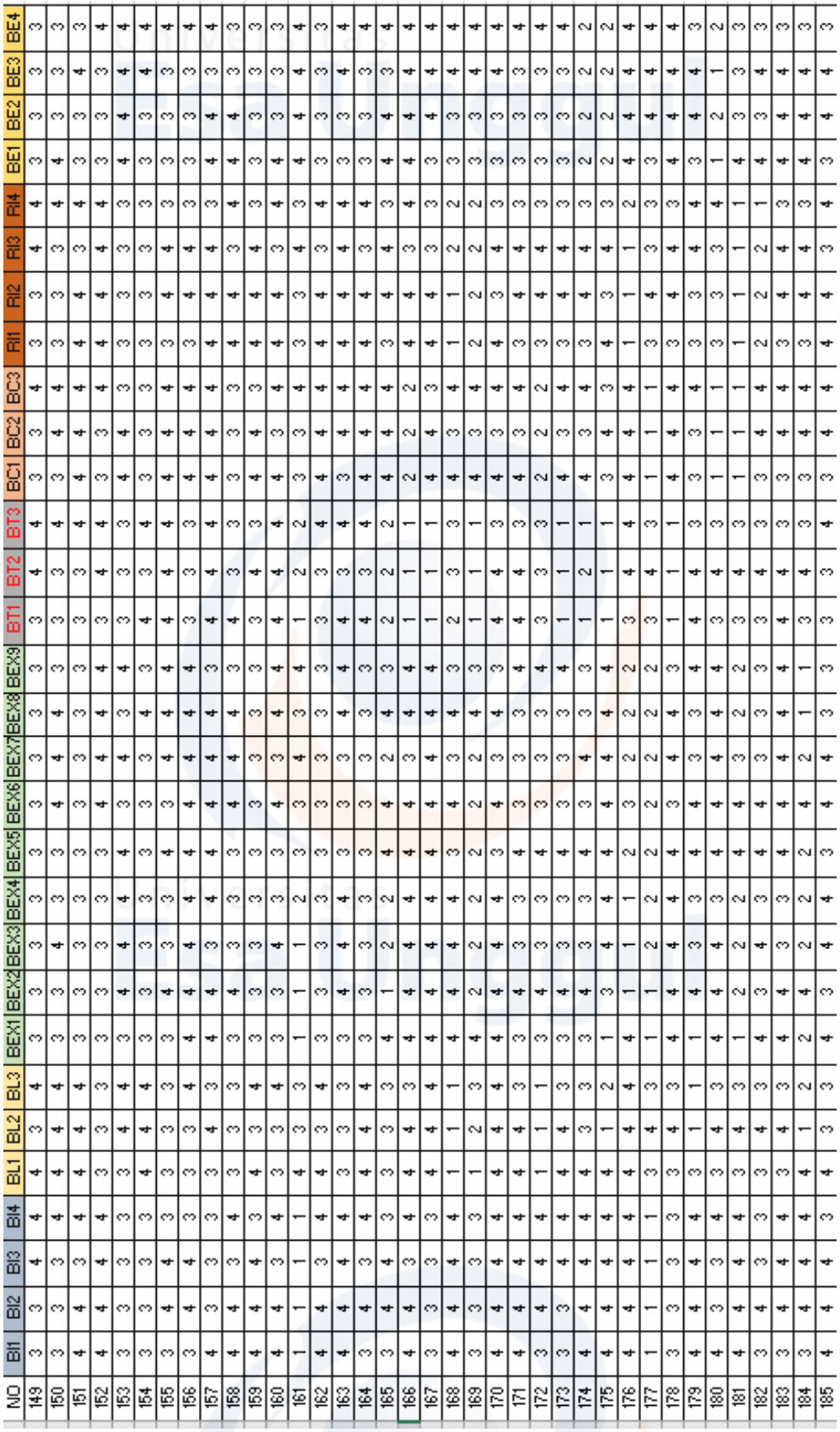


NO	BI1	BI2	BI3	BI4	BL1	BL2	BL3	BEX1	BEX2	BEX3	BEX4	BEX5	BEX6	BEX7	BEX8	BEX9	BT1	BT2	BT3	BC1	BC2	BC3	RI1	RI2	RI3	RI4	BE1	BE2	BE3	BE4
75	4	3	4	4	4	4	4	3	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	3	4
76	3	3	3	3	4	4	4	4	4	4	4	4	3	3	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	4
77	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3
78	3	4	4	4	4	4	4	4	4	3	4	4	4	3	4	4	4	4	4	4	4	4	3	4	4	4	3	3	3	4
79	4	4	3	3	4	4	4	4	4	4	3	4	4	3	4	3	4	4	4	4	4	4	4	4	4	3	3	3	4	3
80	4	3	4	4	4	4	4	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	3	4	4	4	4	3	4	4
81	3	4	4	4	3	3	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	3	4	4	4	4	3	3	3
82	3	3	3	3	4	4	4	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	3	3	3	3	4	4	4	4
83	3	3	3	3	4	4	4	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	3	3	3	4	4	4	4	4
84	3	3	3	3	4	3	3	4	4	4	3	4	4	4	4	3	4	4	4	4	4	4	3	3	3	3	3	3	3	3
85	3	3	3	3	4	4	4	4	4	4	4	4	3	3	4	4	4	4	4	4	4	4	3	3	3	3	3	4	4	4
86	4	3	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	3	4	3	4	4	3	3
87	3	4	4	4	4	3	4	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3	3	4	3	3	3	3
88	4	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	4	4	4	4	4	4	3	4
89	4	4	4	4	4	4	4	4	3	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3
90	3	3	3	3	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3
91	4	3	4	4	3	3	3	3	3	3	4	3	3	3	3	3	4	4	4	4	4	4	3	3	3	3	4	4	4	4
92	3	3	3	3	4	4	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	3	3	3	4	4	3	3	3	3
93	4	4	3	4	4	4	4	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	3	4	3	3	4	4
94	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3	3	4	3	4	4	4	4	3	3	4	4	4	4	4	4
95	4	4	3	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	4
96	3	3	3	3	4	4	4	4	4	3	4	4	4	3	4	3	4	4	4	4	4	4	3	3	3	3	4	3	3	3
97	4	4	4	3	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	4	4	4
98	3	3	3	3	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	4
99	3	3	3	3	4	4	4	4	4	4	4	3	3	4	4	4	4	4	4	4	4	4	3	3	3	3	4	4	4	4
100	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	3	3	4	4	4	4	4	3	3	3	3
101	4	4	3	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	3	4
102	4	3	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4	3
103	3	3	3	3	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3
104	3	3	3	3	4	4	4	4	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3	3	3	4	4	4	4
105	4	4	4	4	4	4	4	3	4	3	3	3	3	3	3	3	4	4	4	4	3	4	4	4	4	4	3	3	3	3
106	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3	3	4	4	4	4	4
107	4	4	3	4	4	4	4	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4
108	3	3	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3	3	4	4	4	4	4	4
109	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	3	4
110	4	3	4	4	4	4	4	4	3	4	4	4	3	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4
111	4	4	4	3	4	4	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3	4	4	3	3	4	4
112	2	2	2	2	4	2	4	2	2	2	2	2	2	2	2	2	4	2	4	4	4	4	2	2	2	2	4	4	4	4

Input Data Penelitian (lanjutan)

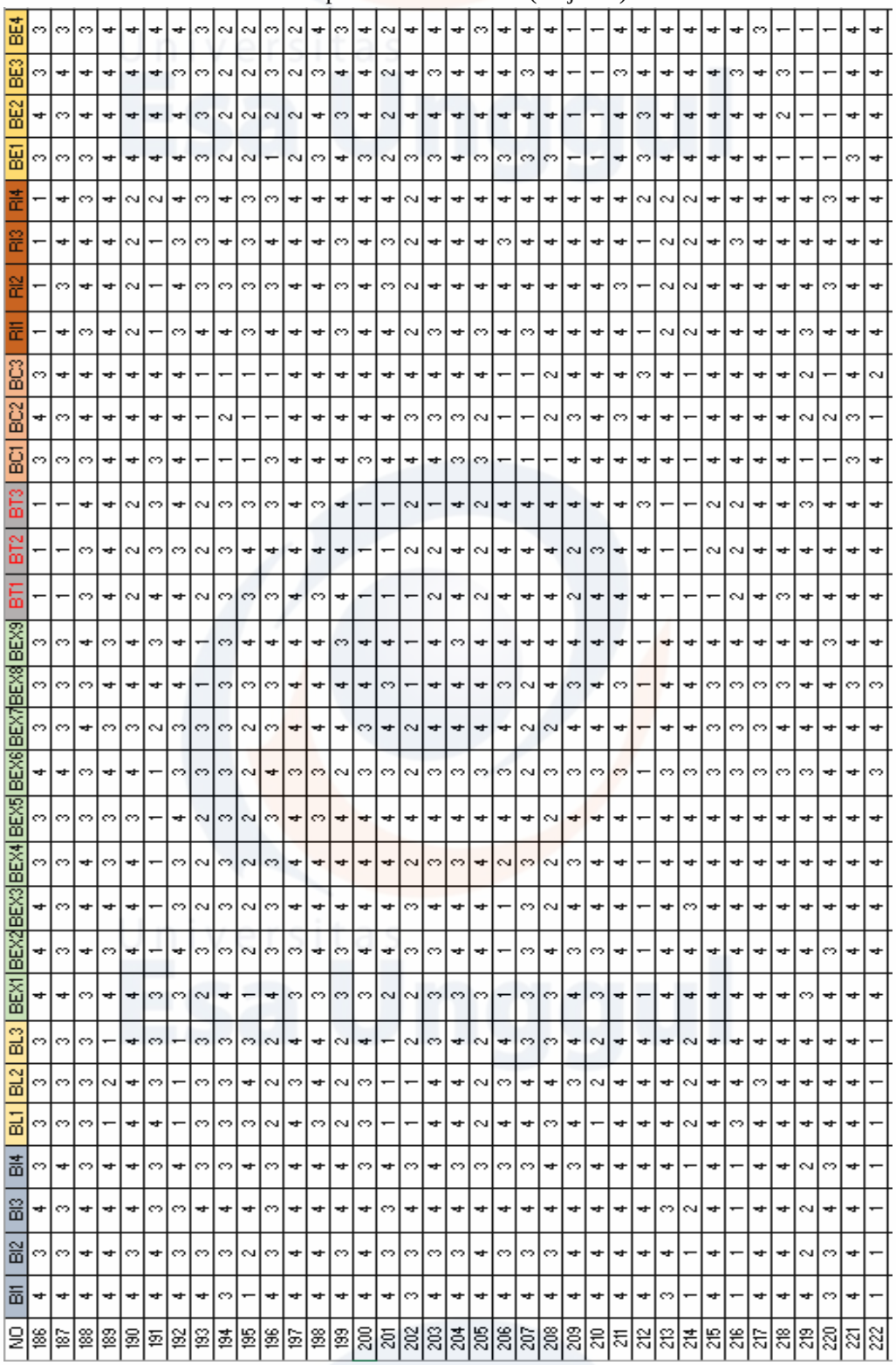
NO	BI1	BI2	BI3	BI4	BL1	BL2	BL3	BEX1	BEX2	BEX3	BEX4	BEX5	BEX6	BEX7	BEX8	BEX9	BT1	BT2	BT3	BC1	BC2	BC3	RI1	RI2	RI3	RI4	BE1	BE2	BE3	BE4
112	3	3	3	3	4	3	4	3	3	3	3	3	3	3	3	3	4	3	4	4	4	4	3	3	3	3	4	4	4	4
113	3	3	3	3	4	4	4	4	4	4	3	3	3	3	3	3	4	4	4	4	4	4	3	3	3	3	4	3	4	4
114	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3	3	3	3
115	3	3	3	3	4	3	4	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	3	3	3	3	4	3	4	4
116	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3	3	3	4	4	4	4
117	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	4	4	4	4	4	4	4	4
118	3	3	3	3	4	4	4	3	4	3	3	3	3	3	3	4	3	4	4	4	4	4	3	3	3	3	4	4	4	4
119	3	3	3	4	4	4	4	3	3	3	3	3	3	3	3	3	4	3	4	3	3	3	3	3	3	4	4	4	4	4
120	3	3	3	3	4	4	4	4	3	3	3	3	3	3	3	4	4	4	4	4	4	4	3	3	3	3	4	3	4	4
121	4	4	4	3	4	4	4	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	4	4	4	3	4	4	3	4
122	4	3	4	4	4	4	4	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	3	4	4	4	4	4	3
123	4	3	4	4	4	4	4	3	3	3	3	4	3	3	3	4	4	4	4	4	4	4	4	3	4	4	3	4	4	4
124	3	3	3	3	4	4	4	4	3	3	3	3	3	3	4	4	4	4	4	3	3	3	3	3	3	3	3	4	4	4
125	4	4	4	4	4	4	4	3	3	3	3	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3
126	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	3	4	4	4	3
127	4	3	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3	4	4	3	3	3	3
128	3	3	3	3	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	3	3	3	3	4	4	4	4
129	4	4	4	4	4	4	4	4	3	4	3	3	3	3	3	3	4	4	4	3	3	3	4	4	4	4	3	3	3	4
130	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4
131	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	4	4	3	4	4	3	3	3	3	3	3	3	3	3
132	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3
133	3	3	3	3	4	4	4	4	4	4	3	3	4	4	4	4	4	4	4	3	3	3	3	3	3	3	4	4	4	3
134	3	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	3	3	3	3	3	3	3
135	4	4	4	3	4	4	4	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3
136	4	4	4	3	4	4	4	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	4	4	4	3	4	4	4	3
137	3	3	4	4	4	4	3	4	4	3	3	3	4	4	4	4	4	3	4	4	4	4	3	3	4	4	4	4	3	4
138	4	4	3	3	4	4	4	4	3	3	3	3	3	3	3	3	4	3	4	3	4	4	4	4	3	3	4	4	4	3
139	4	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3	4	3	4	4	3	3	3	3
140	3	4	4	4	3	4	4	4	4	3	3	4	4	4	4	3	4	4	3	4	4	3	3	4	4	4	3	3	3	3
141	3	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	4	3	4	4	4	3	3	4	4	4	3	3	3	3
142	3	4	4	4	3	4	3	4	3	3	4	3	3	4	3	4	3	3	4	4	3	4	3	4	4	4	4	4	3	3
143	4	3	4	3	3	4	4	3	3	4	3	3	4	3	4	3	3	4	3	4	3	3	4	3	4	3	3	3	4	4
144	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3	4	3	3	4	3
145	4	4	3	4	4	4	4	4	4	4	4	4	3	4	4	3	4	4	3	4	4	4	4	4	3	4	3	3	3	3
146	4	4	4	4	4	4	4	3	4	4	4	4	3	3	4	3	3	3	4	4	3	4	4	4	4	4	3	3	3	3
147	4	4	4	4	3	4	4	3	3	4	3	3	3	3	3	3	4	4	4	3	3	4	4	4	4	4	3	4	3	3
148	3	3	4	4	3	4	3	3	4	4	4	4	4	3	4	4	3	3	3	4	4	4	3	3	4	4	3	3	3	3

Input Data Penelitian (lanjutan)



NO	BI1	BI2	BI3	BI4	BL1	BL2	BL3	BEX1	BEX2	BEX3	BEX4	BEX5	BEX6	BEX7	BEX8	BEX9	BT1	BT2	BT3	BC1	BC2	BC3	RI1	RI2	RI3	RI4	BE1	BE2	BE3	BE4
149	3	3	4	4	4	3	4	3	3	3	3	3	3	3	3	3	3	4	4	3	3	4	3	3	4	4	3	3	3	3
150	3	3	3	4	4	4	4	3	3	4	3	4	4	4	4	3	3	3	4	3	4	4	3	3	3	4	4	3	3	3
151	4	4	3	4	4	4	4	3	3	3	3	3	4	4	3	3	3	3	4	4	4	4	4	4	3	4	3	3	4	3
152	4	4	4	4	3	3	3	3	3	3	3	3	4	4	4	4	3	4	4	3	3	4	4	4	4	4	3	3	3	4
153	3	3	3	3	3	4	4	3	4	4	4	4	4	4	3	4	3	3	3	4	4	3	3	4	3	3	4	4	4	4
154	3	3	3	3	4	4	4	3	3	3	4	3	4	4	4	3	4	4	4	3	3	4	4	3	3	3	3	3	4	4
155	3	4	4	3	3	3	3	3	4	3	4	4	3	4	4	4	4	4	4	4	4	4	3	4	4	3	3	3	3	4
156	3	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	3	3	3	4	4	4	3	4	4	3	4	4	3	4
157	4	3	3	3	3	4	3	4	4	3	4	4	4	4	4	3	4	4	4	4	3	4	4	4	4	3	4	4	3	4
158	4	4	3	4	3	3	3	3	4	3	3	3	4	4	4	3	4	3	3	3	3	4	4	4	3	4	4	4	3	3
159	4	4	4	3	4	3	4	3	3	3	3	3	3	3	3	3	3	4	3	4	4	3	4	4	4	3	4	3	3	3
160	4	4	3	4	3	3	4	3	3	4	3	3	4	3	4	4	4	4	4	4	3	4	4	4	4	4	4	3	3	3
161	1	1	1	1	4	3	3	1	1	1	2	3	3	4	3	4	1	2	2	3	3	4	3	3	4	4	4	4	4	4
162	4	4	3	4	4	3	4	3	3	3	3	3	3	4	4	3	3	3	4	4	4	4	3	4	4	3	4	4	2	2
163	4	4	4	4	3	3	3	3	4	4	4	3	3	3	4	4	3	3	4	4	4	4	4	4	1	1	2	4	4	4
164	3	4	3	4	4	4	4	3	3	3	4	3	3	3	4	4	4	3	4	4	4	4	4	4	3	3	3	3	4	4
165	3	4	4	3	3	3	3	4	1	2	2	4	4	2	4	3	2	2	2	4	4	4	3	4	3	4	4	4	4	4
166	4	4	3	4	4	4	3	4	4	4	4	4	4	3	4	4	1	1	1	2	2	2	3	4	3	4	4	4	4	3
167	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	4	4	3	4	1	2	2	3	4	4	4
168	4	4	4	4	1	1	1	4	4	4	4	3	4	3	4	3	2	3	3	4	3	4	4	3	2	2	3	3	4	4
169	3	3	3	3	1	2	3	4	2	2	2	2	2	2	4	3	1	1	1	4	3	4	3	4	2	2	3	3	4	4
170	4	4	4	4	4	4	4	4	4	4	4	3	4	3	4	3	4	4	3	4	3	4	4	4	3	4	4	4	4	4
171	4	4	4	4	4	4	4	3	4	3	4	4	3	3	3	4	4	4	3	4	2	4	3	3	4	4	3	3	3	3
172	3	4	4	4	1	1	1	3	4	3	3	4	3	3	3	4	3	3	3	2	2	4	3	4	4	4	3	3	3	3
173	3	3	4	4	4	4	3	3	4	3	3	4	3	3	3	4	1	1	1	4	3	4	3	4	4	4	3	3	3	3
174	4	4	4	4	4	3	3	3	4	3	3	4	4	4	3	4	1	2	1	4	3	4	3	4	3	4	2	2	2	2
175	4	4	4	4	4	1	2	1	3	4	4	4	4	4	4	4	1	1	1	3	4	3	4	3	4	3	2	2	2	2
176	4	4	4	4	4	4	4	4	1	1	1	2	3	2	2	2	3	4	4	4	4	4	1	1	2	4	4	4	4	4
177	1	1	1	1	3	4	3	1	1	2	2	2	2	2	2	2	3	4	3	1	1	1	3	4	3	3	3	4	4	4
178	3	3	3	3	3	4	3	4	4	4	4	4	3	4	4	3	1	1	1	4	4	4	3	4	4	3	4	4	4	4
179	4	4	4	4	3	1	1	1	4	3	4	4	4	3	3	4	4	4	3	3	3	4	3	3	3	4	3	4	4	3
180	4	3	3	4	3	4	3	4	4	4	4	4	4	4	4	4	3	4	3	1	1	1	3	3	3	3	4	1	2	2
181	4	4	4	4	3	4	3	1	2	2	4	4	4	3	2	2	3	4	3	1	1	1	1	1	1	1	1	4	3	3
182	3	4	3	3	3	4	3	4	3	4	3	4	4	3	3	3	3	4	3	3	4	4	4	4	2	2	1	4	3	3
183	3	4	4	4	3	4	3	4	4	3	3	4	4	4	4	4	3	4	3	3	4	4	4	4	4	4	3	4	4	3
184	3	4	4	4	4	1	2	2	4	2	2	2	4	2	1	1	3	4	3	3	4	4	4	4	4	3	4	4	4	3
185	4	4	4	3	4	3	3	4	3	4	4	2	4	4	3	3	3	3	4	3	4	4	4	4	3	4	3	4	4	3

Input Data Penelitian (lanjutan)

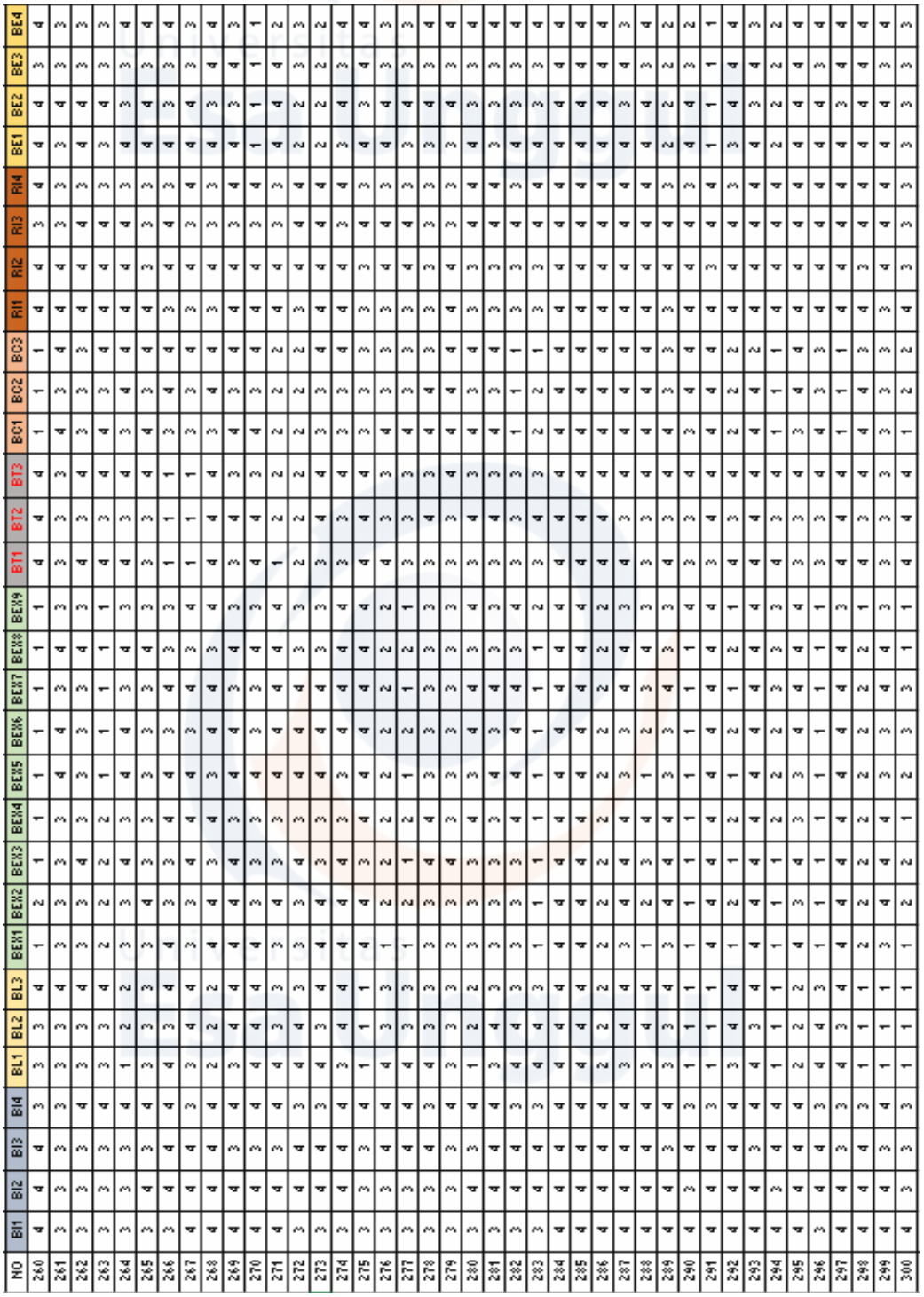


NO	BI1	BI2	BI3	BI4	BL1	BL2	BL3	BEX1	BEX2	BEX3	BEX4	BEX5	BEX6	BEX7	BEX8	BEX9	BT1	BT2	BT3	BC1	BC2	BC3	RI1	RI2	RI3	RI4	BE1	BE2	BE3	BE4
186	4	3	4	3	3	3	3	4	4	4	3	3	4	3	3	3	1	1	1	3	4	3	1	1	1	1	3	4	3	3
187	4	3	3	4	3	3	3	4	3	3	3	3	4	3	3	3	1	1	1	3	3	4	4	3	4	4	3	3	4	3
188	4	4	4	3	3	3	3	3	4	4	4	3	3	4	3	4	3	3	4	3	4	4	3	4	4	3	3	4	4	3
189	4	4	4	4	1	2	1	4	3	4	3	3	4	3	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4
190	4	3	4	4	4	4	4	4	4	4	4	3	4	3	4	4	2	2	2	4	4	4	2	2	2	2	4	4	4	4
191	4	4	3	3	4	3	3	3	1	1	1	1	1	2	4	3	4	3	3	3	4	4	1	1	1	2	4	4	4	4
192	4	3	3	4	1	1	1	3	4	3	3	4	3	3	4	4	4	3	4	4	4	4	3	4	4	4	4	4	3	4
193	4	3	4	3	3	3	3	2	3	2	2	2	3	3	1	1	2	2	2	1	1	1	4	3	3	3	3	3	3	3
194	3	3	4	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	1	2	1	4	3	4	4	2	2	2	2
195	1	2	4	4	3	4	3	1	2	2	2	2	2	2	3	4	3	4	3	1	1	1	3	3	3	3	2	2	2	2
196	4	3	3	3	2	2	2	4	3	3	3	3	4	3	3	4	3	4	3	3	1	1	4	3	4	3	1	2	3	3
197	4	4	4	4	4	3	4	3	3	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	2	2	2	2
198	4	4	4	4	3	4	4	3	4	4	4	3	3	4	4	4	3	4	3	4	4	4	4	4	4	4	3	4	3	4
199	4	3	4	4	2	2	2	3	3	4	4	4	2	4	4	3	4	4	4	4	4	4	4	3	4	4	3	3	4	4
200	4	4	4	3	3	3	4	3	4	4	4	4	3	3	4	4	1	1	1	3	4	4	4	4	4	4	3	4	4	4
201	4	3	3	4	1	1	1	2	4	4	4	4	3	4	3	4	1	1	1	4	4	4	2	2	2	2	2	2	2	2
202	3	3	4	3	1	1	2	2	3	3	2	4	2	2	1	1	1	2	2	4	3	4	2	2	2	2	3	4	4	4
203	4	3	4	4	4	4	3	3	3	4	3	4	3	4	4	4	2	2	1	4	3	4	3	4	4	4	3	4	3	4
204	4	3	4	3	4	4	4	3	4	4	3	4	3	4	4	3	4	4	4	3	3	4	4	4	4	4	4	4	4	4
205	4	4	4	3	2	2	2	3	4	4	4	4	3	4	4	4	2	2	2	3	2	4	3	4	4	4	3	4	4	3
206	4	3	4	3	4	3	4	1	1	1	2	4	3	4	3	4	4	4	4	1	1	1	4	4	3	4	3	4	4	4
207	4	3	4	3	4	4	3	3	3	3	3	4	2	2	2	4	4	4	4	1	1	1	3	4	4	4	3	4	3	4
208	4	3	4	4	3	4	3	3	4	2	2	2	3	2	4	4	4	4	4	1	2	2	4	4	4	4	3	4	4	4
209	4	4	4	3	4	3	4	4	3	4	3	4	3	4	3	4	2	2	4	4	3	4	4	4	4	4	1	1	1	1
210	4	4	4	4	1	2	2	3	3	4	4	4	3	4	4	4	4	3	4	4	4	4	4	4	4	4	1	1	1	1
211	4	4	4	4	4	4	4	4	4	4	4	4	3	4	3	4	4	4	4	4	3	4	4	3	4	4	4	4	3	4
212	4	4	4	4	4	4	4	1	1	1	1	1	1	1	1	1	4	4	3	4	4	3	1	1	1	2	3	3	4	4
213	3	4	3	4	4	4	4	4	4	4	4	4	3	4	4	4	1	1	1	4	4	4	2	2	2	2	4	4	4	4
214	1	1	2	1	2	2	2	4	4	3	4	4	3	4	4	4	1	1	1	1	1	1	2	2	2	2	4	4	4	4
215	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	4	1	2	2	4	4	4	4	4	4	4	4	4	4	4
216	1	1	1	1	3	4	4	4	4	4	4	4	3	3	3	4	2	2	2	4	4	4	4	4	4	3	4	4	3	4
217	4	4	4	4	4	3	4	4	4	4	4	4	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3
218	4	4	4	4	4	4	4	4	4	4	4	4	3	4	3	4	3	4	4	4	4	4	4	4	4	4	4	1	2	3
219	4	2	2	2	4	4	4	3	4	4	4	4	3	4	4	4	4	4	3	1	2	2	3	4	4	4	4	1	1	1
220	3	3	4	3	4	4	4	4	3	4	4	4	4	4	4	3	4	4	4	1	2	1	4	3	4	3	1	1	1	1
221	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	3	3	4	4	4	4	4	3	4	4	4
222	1	1	1	1	1	1	1	4	4	4	4	4	3	4	3	4	4	4	4	4	1	2	4	4	4	4	4	4	4	4

Input Data Penelitian (lanjutan)

NO	BI1	BI2	BI3	BI4	BL1	BL2	BL3	BEX1	BEX2	BEX3	BEX4	BEX5	BEX6	BEX7	BEX8	BEX9	BT1	BT2	BT3	BC1	BC2	BC3	RI1	RI2	RI3	RI4	BE1	BE2	BE3	BE4
223	4	4	4	4	4	3	3	1	2	3	3	1	1	1	1	1	4	4	4	1	1	1	4	4	3	4	4	4	4	3
224	3	4	4	3	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	3	4	4	2	2	2	2	4	3	4	4
225	4	3	4	4	4	4	4	4	4	3	4	4	3	3	4	3	3	3	3	4	4	4	2	2	2	2	4	4	4	4
226	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	4	4	4	4	4	4	4	1	1	2	2
227	4	4	4	4	3	4	4	4	4	4	4	4	3	4	4	4	1	1	1	1	1	1	3	4	4	4	4	4	4	4
228	4	4	4	4	3	4	4	1	2	2	1	1	4	1	1	1	4	4	4	2	2	2	1	3	2	2	4	3	4	4
229	4	4	4	4	1	1	1	4	3	4	4	3	3	4	3	3	4	4	3	1	3	3	3	4	4	4	4	4	4	3
230	3	4	3	4	1	4	3	3	3	4	3	4	4	4	4	4	3	4	4	1	1	1	4	4	4	4	4	4	3	1
231	1	2	1	2	3	4	4	3	3	4	3	4	4	4	4	4	4	4	4	4	3	4	3	3	4	3	4	4	4	4
232	4	4	4	4	1	1	1	4	4	4	4	4	4	4	4	4	2	2	1	4	4	4	3	4	4	4	2	2	2	2
233	4	3	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	3	3	3	4	4	4	4	4
234	3	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	2	2	2	4	4	3	1	1	1	1	4	4	4	4
235	3	3	4	4	4	4	4	4	4	4	4	4	4	3	4	4	3	3	3	4	3	4	3	4	4	4	4	4	4	3
236	4	4	4	4	4	3	4	1	1	1	2	2	1	4	2	2	4	4	3	4	4	4	2	2	2	2	3	4	4	4
237	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	3	3	2	2	2	4	4	3	4
238	4	4	4	4	3	4	4	2	2	2	2	2	2	2	2	2	4	4	4	1	1	1	3	4	4	4	4	4	4	4
239	4	4	4	4	4	4	4	3	4	4	3	4	4	4	4	4	4	4	4	2	2	2	4	4	4	4	4	4	4	4
240	4	4	3	4	4	4	3	4	4	4	4	4	4	4	4	4	1	2	2	4	4	4	3	4	4	4	2	2	2	2
241	3	4	4	4	3	4	4	1	1	1	1	1	1	1	1	3	3	4	4	4	4	3	3	4	3	4	1	1	1	1
242	4	4	4	4	4	3	4	4	3	4	4	3	4	4	4	4	1	1	1	4	4	3	3	4	4	3	3	4	4	4
243	4	4	4	3	4	4	4	1	1	4	1	1	1	1	1	1	1	1	1	4	3	4	4	4	4	4	4	4	4	4
244	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	2	2	2	3	4	4	4	3	4	3	4
245	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
246	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	1	1	1	4	4	4	4	2	2	2	1
247	4	3	4	4	1	2	2	3	3	4	4	2	2	2	2	2	4	3	4	1	1	1	3	4	4	4	3	4	4	4
248	3	4	4	4	4	3	4	4	4	4	4	3	4	4	4	4	1	1	1	4	4	4	4	4	4	4	4	4	3	4
249	3	4	4	3	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	4	1	1	4	4	4	4	4	4	4	4
250	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	3	3
251	4	4	3	4	4	4	4	1	1	1	1	1	1	1	1	1	4	4	4	4	3	3	2	2	2	2	4	4	3	4
252	4	4	4	4	4	4	3	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	1	1	1	1
253	4	3	4	4	3	4	3	4	4	3	3	4	3	3	3	3	2	2	2	3	3	4	4	4	3	4	4	3	3	2
254	4	4	4	3	1	1	1	1	2	2	1	3	1	4	4	4	4	4	4	4	4	4	4	4	4	4	2	2	2	2
255	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4
256	4	4	4	4	1	1	1	4	4	4	4	3	4	4	4	4	4	4	3	3	3	3	3	3	3	3	2	2	2	2
257	4	4	4	4	4	4	4	3	4	4	3	1	4	2	2	2	2	2	2	4	4	4	4	4	4	4	3	4	3	4
258	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	4	2	2	2	2
259	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	2	2	4	4	4	4	4	3	4	3	4	4	3

Input Data Penelitian (lanjutan)



NO	BI1	BI2	BI3	BI4	BL1	BL2	BL3	BEM1	BEM2	BEM3	BEM4	BEM5	BEM6	BEM7	BEM8	BEM9	BT1	BT2	BT3	BC1	BC2	BC3	RI1	RI2	RI3	RI4	BE1	BE2	BE3	BE4
260	4	4	4	3	3	3	4	1	2	1	1	1	1	1	1	1	4	4	4	1	1	1	4	4	3	4	4	4	3	4
261	3	3	3	3	3	3	4	3	3	3	3	4	4	3	4	3	3	3	3	4	3	4	4	4	3	3	3	4	3	3
262	3	3	3	4	3	3	4	3	3	4	3	3	3	3	4	3	4	3	4	3	3	3	4	4	4	3	4	4	3	3
263	3	3	3	4	3	3	4	2	2	2	2	1	1	1	1	1	4	3	4	4	3	4	4	4	4	3	3	4	3	3
264	3	3	3	4	1	2	2	3	4	3	4	4	4	3	4	3	4	3	4	4	3	4	4	4	4	3	4	3	3	4
265	3	4	3	4	3	3	3	3	4	3	3	3	3	3	4	3	4	3	4	4	4	4	3	3	3	4	4	4	3	4
266	3	4	4	4	4	3	4	4	3	3	4	4	3	4	3	3	1	1	1	3	4	3	3	4	3	4	4	4	3	4
267	4	4	4	4	3	4	4	3	3	4	4	4	3	4	3	4	1	1	1	3	3	4	3	4	4	4	4	4	3	3
268	4	4	4	4	2	2	2	4	4	3	4	3	4	4	3	4	4	4	4	3	4	3	3	4	3	4	3	4	4	4
269	4	4	3	4	3	4	4	4	4	4	4	4	4	3	4	3	3	4	3	4	3	4	4	4	3	4	4	3	4	3
270	4	4	3	4	4	4	4	4	3	3	3	4	3	3	4	3	4	4	3	4	2	2	4	4	3	4	4	1	1	1
271	4	4	3	4	4	3	3	3	4	3	3	4	4	4	4	4	1	2	2	2	2	2	4	4	3	3	4	4	3	2
272	3	4	4	3	4	4	3	3	3	4	3	4	4	4	3	4	2	2	2	2	2	2	4	4	4	4	2	2	3	3
273	3	4	4	3	4	3	4	4	4	3	3	4	4	4	3	3	3	4	4	4	3	4	4	4	4	4	2	2	2	2
274	3	4	4	4	3	4	4	4	4	4	3	3	4	4	4	4	3	3	4	4	3	4	4	4	3	4	3	4	3	4
275	3	3	3	4	1	1	1	4	4	3	4	4	4	4	4	4	4	4	3	4	3	3	3	3	4	3	4	3	4	4
276	3	3	4	4	4	3	3	1	2	2	2	2	2	2	2	2	4	3	3	4	3	4	4	4	4	3	4	4	3	3
277	3	3	4	4	4	3	3	1	2	1	2	1	2	2	2	1	3	3	3	4	3	3	4	4	4	3	4	3	3	3
278	3	3	4	3	4	3	3	3	3	4	4	3	3	3	3	3	3	4	3	4	4	4	4	4	3	3	3	4	3	4
279	3	3	3	4	3	3	3	3	4	4	3	3	3	3	3	3	3	4	4	4	4	4	3	4	3	3	3	4	3	4
280	3	4	3	4	1	2	2	3	3	3	4	3	4	4	3	4	3	4	3	4	4	3	3	4	4	4	4	3	3	4
281	3	4	4	4	3	4	3	3	3	3	4	4	3	4	3	3	3	4	3	4	4	3	3	4	4	4	3	4	3	4
282	3	4	4	3	4	4	3	3	3	3	4	4	4	4	3	4	3	3	3	1	1	1	3	3	4	3	4	3	3	4
283	3	4	4	3	4	4	3	1	1	1	1	1	1	1	1	2	3	4	3	2	2	1	3	3	4	4	4	3	3	4
284	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
285	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
286	4	4	4	4	2	2	2	2	2	2	2	2	2	2	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4
287	4	4	4	4	3	4	4	3	4	4	4	3	3	4	4	3	4	3	4	4	4	4	4	4	4	4	4	3	4	3
288	4	4	4	4	3	4	4	1	2	3	4	1	2	3	4	3	3	3	4	4	4	4	4	4	4	4	4	4	3	4
289	4	4	4	4	3	3	4	3	4	4	4	3	3	4	3	3	4	3	4	4	3	4	4	4	4	4	3	2	2	2
290	4	3	4	3	1	1	1	1	1	1	1	1	1	1	1	4	3	3	4	3	4	4	4	4	4	3	4	4	3	2
291	4	4	4	3	1	1	1	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	1	1	1
292	4	4	4	3	4	4	4	1	2	1	2	1	2	1	2	1	4	3	4	2	2	2	4	4	4	3	3	4	4	4
293	4	4	3	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2	4	4	4	4	4	4	3	4	3
294	4	3	4	4	1	1	1	1	1	1	2	2	2	2	3	3	4	3	4	1	1	1	4	4	4	4	4	2	2	2
295	4	4	4	4	2	2	2	4	3	4	3	3	4	4	4	4	3	3	4	3	4	4	4	4	4	4	4	4	4	4
296	3	4	4	3	4	4	3	1	1	1	1	1	1	1	1	1	3	3	4	4	3	3	4	4	4	4	4	4	3	4
297	4	4	3	4	4	3	4	4	4	4	4	4	4	4	4	3	4	4	4	1	1	1	4	4	4	4	4	3	4	4
298	4	4	4	3	1	1	1	2	2	2	2	2	2	2	2	1	4	3	4	4	4	3	3	4	4	4	4	4	4	4
299	4	4	3	4	1	1	1	3	4	4	4	3	3	4	4	3	3	3	3	3	3	3	4	4	4	4	4	4	3	4
300	4	3	3	3	1	1	1	1	2	2	1	2	3	3	1	1	4	4	4	1	2	2	4	3	3	3	3	3	3	3

B. Demografi Responden

Tabel 4. Demografi responden (pengguna MS Glow)

Pengguna MS Glow		Presentase
Iya	300	100%
Tidak	0	0%
Total	165	100%

Tabel 5. Demografi responden (*gender*)

Gender		Presentase
Laki-laki	22	5%
Perempuan	278	95%
Total	300	100%

Tabel 6. Demografi responden (Usia)

Usia		Presentase
<17 Tahun	0	0%
17 - 24 Tahun	289	94,6%
25 - 35 Tahun	8	3,7%
35 - 45 Tahun	3	1,7%
> 45 Tahun	0	0%
Total	300	100%

Tabel 7. Demografi responden (Status Pendidikan akhir)

Status Pendidikan akhir		Presentase
SD	0	0%
SMP	0	0%
SMA/SMK	276	90%
DIPLOMA	6	3,5%
S1	18	6,5%
Total	300	100%

Tabel 8. Demografi responden (Pekerjaan Anda)

Pekerjaan		Presentase
Pelajar	0	0%
Mahasiswa	60	15,4%
Karyawan Suwasta	195	71,3%
Pegawai Negri	3	1,7%
Wirasuwasta	0	0%
Ibu Rumah Tangga	45	11,6%
Total	300	100%

Tabel 9. Demografi responden (Tempat Tinggal saat Ini)

Tempat Tinggal Saat Ini		Presentase
Jakarta	25	5,4%
Bogor	0	0%
Depok	0	0%
Tangerang	275	94,6%
Bekasi	0	0%
Total	300	100%

Tabel 10. Demografi responden (Dari mana anda mengetahui produk skincare MS Glow)

Dari mana anda mengetahui produk skincare MS Glow		Presentase
Youtube	0	0%
Instagram	90	15,8%
Rekomendasi teman/keluarga	190	80,2%
Tiktok	20	4%
Facebook	0	0%
Total	300	100%

Tabel 11. Demografi responden (Frekuensi Pembelian Skincare Ms Glow tersebut dalam kurun waktu 1 tahun)

Frekuensi Pembelian Skincare Ms Glow tersebut dalam kurun waktu 1 tahun		Presentase
1-3x	90	14,9%
4-6x	210	85,1%
>6x	0	0%
Total	300	100%

Tabel 12. Demografi responden (Berapa rata-rata pengeluaran anda untuk pembelian skincare dan perawatan wajah dalam 1 bulan)

Berapa rata-rata pengeluaran anda untuk pembelian skincare dan perawatan wajah dalam 1 bulan		Presentase
>2.000.000	0	0%
1.500.000 – 2.000.000	100	19,9%
1.000.000 – 1.499.000	170	68,2%
500.000 – 999.999	30	11,9%
<500.000	0	0%
Total	300	100%

Lampiran 5.

Analisa Statistik Hasil Penelitian

***Citra merek* (BI)**

```
GET
  FILE='C:\Users\HP\Documents\spss 2022\pretest.sav'.
DATASET NAME DataSet1 WINDOW=FRONT.
FACTOR
  /VARIABLES BI1 BI2 BI3 BI4 BI5
  /MISSING LISTWISE
  /ANALYSIS BI1 BI2 BI3 BI4 BI5
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:14:17
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.

Syntax		FACTOR /VARIABLES BI1 BI2 BI3 BI4 BI5 /MISSING LISTWISE /ANALYSIS BI1 BI2 BI3 BI4 BI5 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.02
	Maximum Memory Required	4248 (4.148K) bytes

[DataSet1] C:\Users\HP\Documents\spss 2022\pretest.sav

Correlation Matrix[a]

		BI1	BI2	BI3	BI4	BI5
Correlation	BI1	1.000	.460	.656	.351	.543
	BI2	.460	1.000	.249	.344	.571
	BI3	.656	.249	1.000	.316	.345
	BI4	.351	.344	.316	1.000	.345
	BI5	.543	.571	.345	.345	1.000
Sig. (1-tailed)	BI1		.002	.000	.014	.000
	BI2	.002		.063	.016	.000
	BI3	.000	.063		.025	.016
	BI4	.014	.016	.025		.016
	BI5	.000	.000	.016	.016	

a. Determinant = .207

Inverse of Correlation Matrix

	BI1	BI2	BI3	BI4	BI5
BI1	2.314	-.403	-1.184	-.098	-.584
BI2	-.403	1.612	.171	-.232	-.680
BI3	-1.184	.171	1.801	-.211	-.004
BI4	-.098	-.232	-.211	1.239	-.169
BI5	-.584	-.680	-.004	-.169	1.766

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.732
Bartlett's Test of Sphericity	Approx. Chi-Square	55.970
	df	10
	Sig.	.000

Anti-image Matrices

		BI1	BI2	BI3	BI4	BI5
Anti-image Covariance	BI1	.432	-.108	-.284	-.034	-.143
	BI2	-.108	.621	.059	-.116	-.239
	BI3	-.284	.059	.555	-.094	-.001
	BI4	-.034	-.116	-.094	.807	-.077
	BI5	-.143	-.239	-.001	-.077	.566
Anti-image Correlation	BI1	.694[a]	-.209	-.580	-.058	-.289
	BI2	-.209	.747[a]	.101	-.164	-.403
	BI3	-.580	.101	.660[a]	-.141	-.002
	BI4	-.058	-.164	-.141	.879[a]	-.114
	BI5	-.289	-.403	-.002	-.114	.768[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
BI1	1.000	.709
BI2	1.000	.515
BI3	1.000	.494
BI4	1.000	.371
BI5	1.000	.606

Extraction Method: Principal Component Analysis.

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.696	53.925	53.925	2.696	53.925	53.925
2	.867	17.345	71.271			
3	.729	14.571	85.842			
4	.417	8.340	94.182			

5	.291	5.818	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix[a]

	Component 1
BI1	.842
BI2	.718
BI3	.703
BI4	.609
BI5	.779

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

Reproduced Correlations

		BI1	BI2	BI3	BI4	BI5
Reproduced Correlation	BI1	.709[a]	.604	.592	.513	.656
	BI2	.604	.515[a]	.504	.437	.559
	BI3	.592	.504	.494[a]	.428	.547
	BI4	.513	.437	.428	.371[a]	.475
	BI5	.656	.559	.547	.475	.606[a]
Residual[b]	BI1		-.144	.064	-.162	-.112
	BI2	-.144		-.255	-.093	.012
	BI3	.064	-.255		-.113	-.202
	BI4	-.162	-.093	-.113		-.129
	BI5	-.112	.012	-.202	-.129	

Extraction Method: Principal Component Analysis.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 9 (90.0%) nonredundant residuals with absolute values greater than 0.05.

```
FACTOR
  /VARIABLES BI1 BI2 BI3 BI5
  /MISSING LISTWISE
  /ANALYSIS BI1 BI2 BI3 BI5
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:16:12
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES BI1 BI2 BI3 BI5 /MISSING LISTWISE /ANALYSIS BI1 BI2 BI3 BI5 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.10
	Maximum Memory Required	3008 (2.938K) bytes

Correlation Matrix[a]

		BI1	BI2	BI3	BI5
Correlation	BI1	1.000	.460	.656	.543
	BI2	.460	1.000	.249	.571
	BI3	.656	.249	1.000	.345
	BI5	.543	.571	.345	1.000

Sig. (1-tailed)	BI1		.002	.000	.000
	BI2	.002		.063	.000
	BI3	.000	.063		.016
	BI5	.000	.000	.016	

a. Determinant = .256

Inverse of Correlation Matrix

	BI1	BI2	BI3	BI5
BI1	2.306	-.421	-1.200	-.598
BI2	-.421	1.568	.132	-.712
BI3	-1.200	.132	1.765	-.033
BI5	-.598	-.712	-.033	1.743

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.679
Bartlett's Test of Sphericity	Approx. Chi-Square	48.803
	df	6
	Sig.	.000

Anti-image Matrices

		BI1	BI2	BI3	BI5
Anti-image Covariance	BI1	.434	-.117	-.295	-.149
	BI2	-.117	.638	.048	-.261
	BI3	-.295	.048	.566	-.011
	BI5	-.149	-.261	-.011	.574
Anti-image Correlation	BI1	.656[a]	-.222	-.595	-.298
	BI2	-.222	.714[a]	.079	-.431
	BI3	-.595	.079	.629[a]	-.019
	BI5	-.298	-.431	-.019	.729[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
BI1	1.000	.753
BI2	1.000	.525
BI3	1.000	.516
BI5	1.000	.632

Extraction Method: Principal Component Analysis.

Total Variance Explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.425	60.634	60.634	2.425	60.634	60.634
2	.864	21.607	82.241			
3	.418	10.451	92.692			
4	.292	7.308	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix[a]

	Component
	1
BI1	.868
BI2	.724
BI3	.718
BI5	.795

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

Reproduced Correlations

		BI1	BI2	BI3	BI5
Reproduced Correlation	BI1	.753[a]	.628	.623	.690
	BI2	.628	.525[a]	.520	.576
	BI3	.623	.520	.516[a]	.571
	BI5	.690	.576	.571	.632[a]
Residual[b]	BI1		-.168	.033	-.146
	BI2	-.168		-.271	-.005
	BI3	.033	-.271		-.226
	BI5	-.146	-.005	-.226	

Extraction Method: Principal Component Analysis.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 4 (66.0%) nonredundant residuals with absolute values greater than 0.05.

```
RELIABILITY
  /VARIABLES=BI1 BI2 BI3 BI5
```

```
/SCALE('ALL VARIABLES') ALL
/MODEL=ALPHA.
```

Reliability

Notes

Output Created		26-AUG-2022 17:16:52
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
	Matrix Input	
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the procedure.
Syntax		RELIABILITY /VARIABLES=BI1 BI2 BI3 BI5 /SCALE('ALL VARIABLES') ALL /MODEL=ALPHA.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.02

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	39	100.0
	Excluded[a]	0	.0
	Total	39	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
.775	4

```
FACTOR
 /VARIABLES BL1 BL2 BL3 BL4 BL5
```

```
/MISSING LISTWISE
/ANALYSIS BL1 BL2 BL3 BL4 BL5
/PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
/CRITERIA MINEIGEN(1) ITERATE(25)
/EXTRACTION PC
/ROTATION NOROTATE
/METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:17:10
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES BL1 BL2 BL3 BL4 BL5 /MISSING LISTWISE /ANALYSIS BL1 BL2 BL3 BL4 BL5 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.30
	Maximum Memory Required	4248 (4.148K) bytes

Correlation Matrix[a]

		BL1	BL2	BL3	BL4	BL5
Correlation	BL1	1.000	.302	.241	.080	.266
	BL2	.302	1.000	.116	.023	.128
	BL3	.241	.116	1.000	.321	.427
	BL4	.080	.023	.321	1.000	.463
	BL5	.266	.128	.427	.463	1.000
Sig. (1-tailed)	BL1		.031	.070	.314	.051
	BL2	.031		.241	.444	.220
	BL3	.070	.241		.023	.003
	BL4	.314	.444	.023		.002
	BL5	.051	.220	.003	.002	

a. Determinant = .513

Inverse of Correlation Matrix

	BL1	BL2	BL3	BL4	BL5
BL1	1.193	-.312	-.175	.079	-.239
BL2	-.312	1.105	-.040	.039	-.059
BL3	-.175	-.040	1.286	-.214	-.398
BL4	.079	.039	-.214	1.312	-.541
BL5	-.239	-.059	-.398	-.541	1.491

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.658
Bartlett's Test of Sphericity	Approx. Chi-Square	23.675
	df	10
	Sig.	.009

Anti-image Matrices

		BL1	BL2	BL3	BL4	BL5
Anti-image Covariance	BL1	.838	-.236	-.114	.050	-.134
	BL2	-.236	.905	-.028	.027	-.036
	BL3	-.114	-.028	.778	-.127	-.208
	BL4	.050	.027	-.127	.762	-.277
	BL5	-.134	-.036	-.208	-.277	.670
Anti-image Correlation	BL1	.636[a]	-.271	-.141	.063	-.179
	BL2	-.271	.609[a]	-.034	.033	-.046
	BL3	-.141	-.034	.732[a]	-.165	-.288
	BL4	.063	.033	-.165	.641[a]	-.387

BL5	-.179	-.046	-.288	-.387	.644[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
BL1	1.000	.627
BL2	1.000	.669
BL3	1.000	.537
BL4	1.000	.654
BL5	1.000	.679

Extraction Method: Principal Component Analysis.

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.003	40.067	40.067	2.003	40.067	40.067
2	1.163	23.265	63.332	1.163	23.265	63.332
3	.711	14.228	77.560			
4	.632	12.647	90.208			
5	.490	9.792	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix[a]

	Component	
	1	2
BL1	.545	.575
BL2	.364	.733
BL3	.720	-.135
BL4	.650	-.482
BL5	.796	-.212

Extraction Method: Principal Component Analysis.

a. 2 components extracted.

Reproduced Correlations

	BL1	BL2	BL3	BL4	BL5

Reproduced Correlation	BL1	.627[a]	.619	.315	.077	.312
	BL2	.619	.669[a]	.163	-.117	.134
	BL3	.315	.163	.537[a]	.533	.602
	BL4	.077	-.117	.533	.654[a]	.620
	BL5	.312	.134	.602	.620	.679[a]
Residual[b]	BL1		-.317	-.073	.003	-.046
	BL2	-.317		-.047	.140	-.006
	BL3	-.073	-.047		-.211	-.175
	BL4	.003	.140	-.211		-.157
	BL5	-.046	-.006	-.175	-.157	

Extraction Method: Principal Component Analysis.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 6 (60.0%) nonredundant residuals with absolute values greater than 0.05.

```
FACTOR
  /VARIABLES BL1 BL3 BL4 BL5
  /MISSING LISTWISE
  /ANALYSIS BL1 BL3 BL4 BL5
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:17:42
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.

	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES BL1 BL3 BL4 BL5 /MISSING LISTWISE /ANALYSIS BL1 BL3 BL4 BL5 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.14
	Maximum Memory Required	3008 (2.938K) bytes

Correlation Matrix[a]

		BL1	BL3	BL4	BL5
Correlation	BL1	1.000	.241	.080	.266
	BL3	.241	1.000	.321	.427
	BL4	.080	.321	1.000	.463
	BL5	.266	.427	.463	1.000
Sig. (1-tailed)	BL1		.070	.314	.051
	BL3	.070		.023	.003
	BL4	.314	.023		.002
	BL5	.051	.003	.002	

a. Determinant = .567

Inverse of Correlation Matrix

	BL1	BL3	BL4	BL5
BL1	1.106	-.186	.090	-.255
BL3	-.186	1.284	-.213	-.401
BL4	.090	-.213	1.311	-.539
BL5	-.255	-.401	-.539	1.488

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.658
Bartlett's Test of Sphericity	Approx. Chi-Square	20.304
	df	6
	Sig.	.002

Anti-image Matrices

		BL1	BL3	BL4	BL5
Anti-image Covariance	BL1	.904	-.131	.062	-.155
	BL3	-.131	.779	-.126	-.210
	BL4	.062	-.126	.763	-.276
	BL5	-.155	-.210	-.276	.672
Anti-image Correlation	BL1	.660[a]	-.156	.075	-.199
	BL3	-.156	.718[a]	-.164	-.290
	BL4	.075	-.164	.641[a]	-.386
	BL5	-.199	-.290	-.386	.631[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
BL1	1.000	.232
BL3	1.000	.544
BL4	1.000	.489
BL5	1.000	.670

Extraction Method: Principal Component Analysis.

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	1.936	48.401	48.401	1.936	48.401	48.401
2	.932	23.306	71.707			
3	.642	16.051	87.758			
4	.490	12.242	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix[a]

	Component 1
BL1	.482
BL3	.738
BL4	.699
BL5	.819

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

Reproduced Correlations

		BL1	BL3	BL4	BL5
Reproduced Correlation	BL1	.232[a]	.356	.337	.395
	BL3	.356	.544[a]	.516	.604
	BL4	.337	.516	.489[a]	.572
	BL5	.395	.604	.572	.670[a]
Residual[b]	BL1		-.115	-.257	-.129
	BL3	-.115		-.194	-.177
	BL4	-.257	-.194		-.110
	BL5	-.129	-.177	-.110	

Extraction Method: Principal Component Analysis.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 6 (100.0%) nonredundant residuals with absolute values greater than 0.05.

```
FACTOR
  /VARIABLES BL3 BL4 BL5
  /MISSING LISTWISE
  /ANALYSIS BL3 BL4 BL5
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created	26-AUG-2022 17:18:07
Comments	

Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES BL3 BL4 BL5 /MISSING LISTWISE /ANALYSIS BL3 BL4 BL5 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.40
	Maximum Memory Required	1984 (1.938K) bytes

Correlation Matrix[a]

		BL3	BL4	BL5
Correlation	BL3	1.000	.321	.427
	BL4	.321	1.000	.463
	BL5	.427	.463	1.000
Sig. (1-tailed)	BL3		.023	.003
	BL4	.023		.002
	BL5	.003	.002	

a. Determinant = .627

Inverse of Correlation Matrix

	BL3	BL4	BL5
BL3	1.253	-.198	-.444
BL4	-.198	1.303	-.518
BL5	-.444	-.518	1.429

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.642
Bartlett's Test of Sphericity	Approx. Chi-Square	16.862
	df	3
	Sig.	.001

Anti-image Matrices

		BL3	BL4	BL5
Anti-image Covariance	BL3	.798	-.121	-.248
	BL4	-.121	.767	-.278
	BL5	-.248	-.278	.700
Anti-image Correlation	BL3	.681[a]	-.155	-.332
	BL4	-.155	.654[a]	-.380
	BL5	-.332	-.380	.609[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
BL3	1.000	.545
BL4	1.000	.584
BL5	1.000	.681

Extraction Method:
Principal Component
Analysis.

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	1.810	60.339	60.339	1.810	60.339	60.339
2	.681	22.689	83.028			
3	.509	16.972	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix[a]

	Component 1
BL3	.738
BL4	.764
BL5	.825

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

Reproduced Correlations

		BL3	BL4	BL5
Reproduced Correlation	BL3	.545[a]	.564	.609
	BL4	.564	.584[a]	.631
	BL5	.609	.631	.681[a]
Residual[b]	BL3		-.243	-.182
	BL4	-.243		-.168
	BL5	-.182	-.168	

Extraction Method: Principal Component Analysis.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 3 (100.0%) nonredundant residuals with absolute values greater than 0.05.

```
RELIABILITY
  /VARIABLES=BL3 BL4 BL5
  /SCALE('ALL VARIABLES') ALL
  /MODEL=ALPHA.
```

Reliability

Notes

Output Created		26-AUG-2022 17:18:45
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>

	Split File	<none>
	N of Rows in Working Data File	39
	Matrix Input	
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the procedure.
Syntax		RELIABILITY /VARIABLES=BL3 BL4 BL5 /SCALE('ALL VARIABLES') ALL /MODEL=ALPHA.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.03

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	39	100.0
	Excluded[a]	0	.0
	Total	39	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
.667	3

```
FACTOR
  /VARIABLES BEX1 BEX2 BEX3
  /MISSING LISTWISE
  /ANALYSIS BEX1 BEX2 BEX3
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:19:23
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav

	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES BEX1 BEX2 BEX3 /MISSING LISTWISE /ANALYSIS BEX1 BEX2 BEX3 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.38
	Maximum Memory Required	1984 (1.938K) bytes

Correlation Matrix

		BEX1	BEX2	BEX3
Correlation	BEX1	1.000	.472	.486
	BEX2	.472	1.000	.489
	BEX3	.486	.489	1.000
Sig. (1-tailed)	BEX1		.001	.001
	BEX2	.001		.001
	BEX3	.001	.001	

Inverse of Correlation Matrix

	BEX1	BEX2	BEX3
BEX1	1.445	-.445	-.484
BEX2	-.445	1.451	-.493
BEX3	-.484	-.493	1.476

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.687
Bartlett's Test of Sphericity	Approx. Chi-Square	23.184
	df	3
	Sig.	.000

Anti-image Matrices

		BEX1	BEX2	BEX3
Anti-image Covariance	BEX1	.692	-.212	-.227
	BEX2	-.212	.689	-.230
	BEX3	-.227	-.230	.677
Anti-image Correlation	BEX1	.692	-.307	-.332
	BEX2	-.307	.689	-.337
	BEX3	-.332	-.337	.680

Communalities

	Initial	Extraction
BEX1	1.000	.649
BEX2	1.000	.651
BEX3	1.000	.664

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	
1	1.964	65.467	65.467	1.964	65.467	
2	.528	17.616	83.083			
3	.508	16.917	100.000			

Component Matrix

	Component
	1
BEX1	.805

BEX2	.807
BEX3	.815

Reproduced Correlations

		BEX1	BEX2	BEX3
Reproduced Correlation	BEX1	.649	.650	.656
	BEX2	.650	.651	.658
	BEX3	.656	.658	.664
Residual	BEX1		-.178	-.171
	BEX2	-.178		-.169
	BEX3	-.171	-.169	

```
FACTOR
  /VARIABLES BEX4 BEX5 BEX6
  /MISSING LISTWISE
  /ANALYSIS BEX4 BEX5 BEX6
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:20:03
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.

Syntax		FACTOR /VARIABLES BEX4 BEX5 BEX6 /MISSING LISTWISE /ANALYSIS BEX4 BEX5 BEX6 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.11
	Maximum Memory Required	1984 (1.938K) bytes

Correlation Matrix

		BEX4	BEX5	BEX6
Correlation	BEX4	1.000	.289	.412
	BEX5	.289	1.000	.431
	BEX6	.412	.431	1.000
Sig. (1-tailed)	BEX4		.037	.005
	BEX5	.037		.003
	BEX6	.005	.003	

Inverse of Correlation Matrix

	BEX4	BEX5	BEX6
BEX4	1.227	-.168	-.433
BEX5	-.168	1.252	-.471
BEX6	-.433	-.471	1.382

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.631
Bartlett's Test of Sphericity	Approx. Chi-Square	14.850
	df	3
	Sig.	.002

Anti-image Matrices

		BEX4	BEX5	BEX6
Anti-image Covariance	BEX4	.815	-.110	-.256
	BEX5	-.110	.799	-.272
	BEX6	-.256	-.272	.724
Anti-image Correlation	BEX4	.663	-.136	-.333
	BEX5	-.136	.648	-.358
	BEX6	-.333	-.358	.599

Communalities

	Initial	Extraction
BEX4	1.000	.532
BEX5	1.000	.554
BEX6	1.000	.672

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	
1	1.758	58.615	58.615	1.758	58.615	
2	.711	23.708	82.323			
3	.530	17.677	100.000			

Component Matrix

	Component 1
BEX4	.729
BEX5	.745
BEX6	.820

Reproduced Correlations

		BEX4	BEX5	BEX6
Reproduced Correlation	BEX4	.532	.543	.598
	BEX5	.543	.554	.610
	BEX6	.598	.610	.672
Residual	BEX4		-.254	-.186
	BEX5	-.254		-.179

	BEX6	-.186	-.179

```
FACTOR
  /VARIABLES BEX7 BEX8 BEX9
  /MISSING LISTWISE
  /ANALYSIS BEX7 BEX8 BEX9
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:20:31
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES BEX7 BEX8 BEX9 /MISSING LISTWISE /ANALYSIS BEX7 BEX8 BEX9 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.

Resources	Processor Time	00:00:00.05
	Elapsed Time	00:00:00.55
	Maximum Memory Required	1984 (1.938K) bytes

Correlation Matrix

		BEX7	BEX8	BEX9
Correlation	BEX7	1.000	.459	.580
	BEX8	.459	1.000	.575
	BEX9	.580	.575	1.000
Sig. (1-tailed)	BEX7		.002	.000
	BEX8	.002		.000
	BEX9	.000	.000	

Inverse of Correlation Matrix

	BEX7	BEX8	BEX9
BEX7	1.563	-.292	-.740
BEX8	-.292	1.548	-.721
BEX9	-.740	-.721	1.844

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.683
Bartlett's Test of Sphericity	Approx. Chi-Square	30.664
	df	3
	Sig.	.000

Anti-image Matrices

		BEX7	BEX8	BEX9
Anti-image Covariance	BEX7	.640	-.120	-.257
	BEX8	-.120	.646	-.253
	BEX9	-.257	-.253	.542
Anti-image Correlation	BEX7	.709	-.187	-.436
	BEX8	-.187	.714	-.427
	BEX9	-.436	-.427	.642

Communalities

	Initial	Extraction
BEX7	1.000	.662
BEX8	1.000	.657

BEX9	1.000	.758

Total Variance Explained

Component	Initial Eigenvalues Total	% of Variance	Cumulative %	Extraction Sums of Squared Loadings Total	% of Variance	
1	2.078	69.260	69.260	2.078	69.260	
2	.541	18.050	87.310			
3	.381	12.690	100.000			

Component Matrix

	Component 1
BEX7	.814
BEX8	.811
BEX9	.871

Reproduced Correlations

		BEX7	BEX8	BEX9
Reproduced Correlation	BEX7	.662	.660	.709
	BEX8	.660	.657	.706
	BEX9	.709	.706	.758
Residual	BEX7		-.201	-.128
	BEX8	-.201		-.131
	BEX9	-.128	-.131	

```
FACTOR
  /VARIABLES BEX10 BEX11 BEX12
  /MISSING LISTWISE
  /ANALYSIS BEX10 BEX11 BEX12
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION
```

Factor Analysis

Notes

Output Created	26-AUG-2022 17:21:04
Comments	

Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES BEX10 BEX11 BEX12 /MISSING LISTWISE /ANALYSIS BEX10 BEX11 BEX12 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.15
	Maximum Memory Required	1984 (1.938K) bytes

Correlation Matrix

		BEX10	BEX11	BEX12
Correlation	BEX10	1.000	.584	.661
	BEX11	.584	1.000	.736
	BEX12	.661	.736	1.000
Sig. (1-tailed)	BEX10		.000	.000
	BEX11	.000		.000
	BEX12	.000	.000	

Inverse of Correlation Matrix

	BEX10	BEX11	BEX12
BEX10	1.843	-.392	-.930
BEX11	-.392	2.265	-1.408
BEX12	-.930	-1.408	2.650

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.708
Bartlett's Test of Sphericity	Approx. Chi-Square	50.321
	df	3
	Sig.	.000

Anti-image Matrices

		BEX10	BEX11	BEX12
Anti-image Covariance	BEX10	.543	-.094	-.190
	BEX11	-.094	.442	-.235
	BEX12	-.190	-.235	.377
Anti-image Correlation	BEX10	.784	-.192	-.421
	BEX11	-.192	.706	-.575
	BEX12	-.421	-.575	.659

Communalities

	Initial	Extraction
BEX10	1.000	.714
BEX11	1.000	.776
BEX12	1.000	.833

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	
1	2.322	77.410	77.410	2.322	77.410	
2	.427	14.223	91.633			
3	.251	8.367	100.000			

Component Matrix

	Component 1
BEX10	.845
BEX11	.881
BEX12	.912

Reproduced Correlations

		BEX10	BEX11	BEX12
Reproduced Correlation	BEX10	.714	.744	.771
	BEX11	.744	.776	.804
	BEX12	.771	.804	.833
Residual	BEX10		-.160	-.110
	BEX11	-.160		-.068
	BEX12	-.110	-.068	

```
FACTOR
  /VARIABLES BEX13 BEX14 BEX15
  /MISSING LISTWISE
  /ANALYSIS BEX13 BEX14 BEX15
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:21:34
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.

	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES BEX13 BEX14 BEX15 /MISSING LISTWISE /ANALYSIS BEX13 BEX14 BEX15 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.41
	Maximum Memory Required	1984 (1.938K) bytes

Correlation Matrix

		BEX13	BEX14	BEX15
Correlation	BEX13	1.000	.594	.716
	BEX14	.594	1.000	.628
	BEX15	.716	.628	1.000
Sig. (1-tailed)	BEX13		.000	.000
	BEX14	.000		.000
	BEX15	.000	.000	

Inverse of Correlation Matrix

	BEX13	BEX14	BEX15
BEX13	2.209	-.525	-1.252
BEX14	-.525	1.777	-.741
BEX15	-1.252	-.741	2.362

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.715
Bartlett's Test of Sphericity	Approx. Chi-Square	46.821

	df	3
	Sig.	.000

Anti-image Matrices

		BEX13	BEX14	BEX15
Anti-image Covariance	BEX13	.453	-.134	-.240
	BEX14	-.134	.563	-.176
	BEX15	-.240	-.176	.423
Anti-image Correlation	BEX13	.700	-.265	-.548
	BEX14	-.265	.788	-.362
	BEX15	-.548	-.362	.678

Communalities

	Initial	Extraction
BEX13	1.000	.780
BEX14	1.000	.708
BEX15	1.000	.806

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	
1	2.294	76.458	76.458	2.294	76.458	
2	.426	14.185	90.643			
3	.281	9.357	100.000			

Component Matrix

	Component 1
BEX13	.883
BEX14	.841
BEX15	.898

Reproduced Correlations

		BEX13	BEX14	BEX15
Reproduced Correlation	BEX13	.780	.743	.793
	BEX14	.743	.708	.755
	BEX15	.793	.755	.806

Residual	BEX13		-.149	-.077
	BEX14	-.149		-.127
	BEX15	-.077	-.127	

```
FACTOR
  /VARIABLES BEX16 BEX17 BEX18
  /MISSING LISTWISE
  /ANALYSIS BEX16 BEX17 BEX18
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:22:07
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.

Syntax		FACTOR /VARIABLES BEX16 BEX17 BEX18 /MISSING LISTWISE /ANALYSIS BEX16 BEX17 BEX18 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.57
	Maximum Memory Required	1984 (1.938K) bytes

Correlation Matrix

		BEX16	BEX17	BEX18
Correlation	BEX16	1.000	.388	.486
	BEX17	.388	1.000	.832
	BEX18	.486	.832	1.000
Sig. (1-tailed)	BEX16		.007	.001
	BEX17	.007		.000
	BEX18	.001	.000	

Inverse of Correlation Matrix

	BEX16	BEX17	BEX18
BEX16	1.310	.068	-.692
BEX17	.068	3.244	-2.731
BEX18	-.692	-2.731	3.607

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.593
Bartlett's Test of Sphericity	Approx. Chi-Square	52.294
	df	3
	Sig.	.000

Anti-image Matrices

		BEX16	BEX17	BEX18
Anti-image Covariance	BEX16	.763	.016	-.147
	BEX17	.016	.308	-.233
	BEX18	-.147	-.233	.277
Anti-image Correlation	BEX16	.790	.033	-.319
	BEX17	.033	.569	-.798
	BEX18	-.319	-.798	.557

Communalities

	Initial	Extraction
BEX16	1.000	.478
BEX17	1.000	.810
BEX18	1.000	.872

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	
1	2.161	72.029	72.029	2.161	72.029	
2	.678	22.616	94.645			
3	.161	5.355	100.000			

Component Matrix

	Component 1
BEX16	.692
BEX17	.900
BEX18	.934

Reproduced Correlations

		BEX16	BEX17	BEX18
Reproduced Correlation	BEX16	.478	.622	.646

	BEX17	.622	.810	.841
	BEX18	.646	.841	.872
Residual	BEX16		-.235	-.160
	BEX17	-.235		-.009
	BEX18	-.160	-.009	

```
FACTOR
  /VARIABLES BEX1 BEX2 BEX3 BEX4 BEX5 BEX6 BEX7 BEX8 BEX9 BEX10 BEX11
BEX12 BEX13 BEX14 BEX15 BEX16
    BEX17 BEX18
  /MISSING LISTWISE
  /ANALYSIS BEX1 BEX2 BEX3 BEX4 BEX5 BEX6 BEX7 BEX8 BEX9 BEX10 BEX11
BEX12 BEX13 BEX14 BEX15 BEX16
    BEX17 BEX18
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:24:51
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.

Syntax		FACTOR /VARIABLES BEX1 BEX2 BEX3 BEX4 BEX5 BEX6 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14 BEX15 BEX16 BEX17 BEX18 /MISSING LISTWISE /ANALYSIS BEX1 BEX2 BEX3 BEX4 BEX5 BEX6 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14 BEX15 BEX16 BEX17 BEX18 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.08
	Elapsed Time	00:00:00.18
	Maximum Memory Required	40024 (39.086K) bytes

Correlation Matrix[a]

		BEX1	BEX2	BEX3	BEX4	BEX5	BEX6	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX16	BEX17	BEX18
Correlation	BEX1	1.000	.472	.486	.331	.523	.277	.180	.291	.480	.304	.140	.321	.618	.343	.650	.213	.475	.486
	BEX2	.472	1.000	.489	.519	.431	.242	.350	.558	.580	.495	.489	.507	.507	.642	.472	.374	.666	.681
	BEX3	.486	.489	1.000	.344	.357	.296	.489	.401	.392	.209	.487	.443	.248	.441	.399	.313	.572	.658
	BEX4	.331	.519	.344	1.000	.289	.412	.412	.418	.528	.439	.535	.463	.463	.483	.331	.523	.427	.439
	BEX5	.523	.431	.357	.289	1.000	.431	.528	.523	.530	.538	.443	.578	.480	.392	.437	.437	.610	.529
	BEX6	.277	.242	.296	.412	.431	1.000	.458	.558	.474	.495	.585	.617	.397	.537	.374	.374	.374	.296
	BEX7	.180	.350	.489	.412	.528	.458	1.000	.459	.580	.495	.585	.507	.287	.642	.277	.472	.569	.489
	BEX8	.291	.558	.401	.418	.523	.558	.459	1.000	.575	.501	.489	.501	.602	.634	.469	.291	.648	.665
	BEX9	.480	.580	.392	.528	.530	.474	.580	.575	1.000	.592	.581	.636	.744	.742	.480	.480	.480	.487
	BEX10	.304	.495	.209	.439	.538	.495	.495	.501	.592	1.000	.584	.661	.554	.641	.493	.493	.493	.490
	BEX11	.140	.489	.487	.535	.443	.585	.585	.489	.581	.584	1.000	.736	.248	.629	.313	.659	.486	.487
	BEX12	.321	.507	.443	.463	.578	.617	.507	.501	.636	.661	.736	1.000	.443	.594	.321	.618	.519	.638
	BEX13	.618	.507	.248	.463	.480	.397	.287	.602	.744	.554	.248	.443	1.000	.594	.716	.223	.519	.443
	BEX14	.343	.642	.441	.483	.392	.537	.642	.634	.742	.641	.629	.594	.594	1.000	.628	.533	.533	.535
	BEX15	.650	.472	.399	.331	.437	.374	.277	.469	.480	.493	.313	.321	.716	.628	1.000	.300	.563	.486
	BEX16	.213	.374	.313	.523	.437	.374	.472	.291	.480	.493	.659	.618	.223	.533	.300	1.000	.388	.486
	BEX17	.475	.666	.572	.427	.610	.374	.569	.648	.480	.493	.486	.519	.519	.533	.563	.388	1.000	.832
	BEX18	.486	.681	.658	.439	.529	.296	.489	.665	.487	.490	.487	.638	.443	.535	.486	.486	.832	1.000
Sig. (1-tailed)	BEX1		.001	.001	.020	.000	.044	.137	.036	.001	.030	.198	.023	.000	.016	.000	.096	.001	.001
	BEX2	.001		.001	.000	.003	.069	.014	.000	.000	.001	.001	.000	.000	.000	.001	.009	.000	.000
	BEX3	.001	.001		.016	.013	.034	.001	.006	.007	.101	.001	.002	.064	.002	.006	.026	.000	.000
	BEX4	.020	.000	.016		.037	.005	.005	.004	.000	.003	.000	.002	.002	.001	.020	.000	.003	.003
	BEX5	.000	.003	.013	.037		.003	.000	.000	.000	.000	.002	.000	.001	.007	.003	.003	.000	.000
	BEX6	.044	.069	.034	.005	.003		.002	.000	.001	.001	.000	.000	.006	.000	.009	.009	.009	.034

	BEX7	.137	.014	.001	.005	.000	.002		.002	.000	.001	.000	.000	.038	.000	.044	.001	.000	.001
	BEX8	.036	.000	.008	.004	.000	.000	.002		.000	.001	.001	.001	.000	.000	.001	.036	.000	.000
	BEX9	.001	.000	.007	.000	.000	.001	.000	.000		.000	.000	.000	.000	.000	.001	.001	.001	.001
	BEX10	.030	.001	.101	.003	.000	.001	.001	.001	.000		.000	.000	.000	.000	.001	.001	.001	.001
	BEX11	.198	.001	.001	.000	.002	.000	.000	.001	.000	.000		.000	.064	.000	.026	.000	.001	.001
	BEX12	.023	.000	.002	.002	.000	.000	.000	.001	.000	.000	.000		.002	.000	.023	.000	.000	.000
	BEX13	.000	.000	.064	.002	.001	.006	.038	.000	.000	.000	.064	.002		.000	.000	.086	.000	.002
	BEX14	.016	.000	.002	.001	.007	.000	.000	.000	.000	.000	.000	.000	.000		.000	.000	.000	.000
	BEX15	.000	.001	.006	.020	.003	.009	.044	.001	.001	.001	.026	.023	.000	.000		.032	.000	.001
	BEX16	.096	.009	.026	.000	.003	.009	.001	.036	.001	.001	.000	.000	.086	.000	.032		.007	.001
	BEX17	.001	.000	.000	.003	.000	.009	.000	.000	.001	.001	.001	.000	.000	.000	.000	.007		.000
	BEX18	.001	.000	.000	.003	.000	.034	.001	.000	.001	.001	.001	.000	.002	.000	.001	.001	.000	

a. Determinant = 4.44E-008

Inverse of Correlation Matrix

	BEX1	BEX2	BEX3	BEX4	BEX5	BEX6	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX16	BEX17	BEX18
BEX1	4.240	-.650	-1.167	-.305	-1.740	-1.407	.923	2.164	-1.039	.260	.935	1.119	-1.119	.324	-1.110	.203	.795	-1.959
BEX2	-.650	4.110	-.149	-1.043	-.663	.999	1.988	.084	-.662	-.321	-.412	.098	.823	-2.914	1.027	.834	-1.769	-.523
BEX3	-1.167	-.149	3.049	.069	.374	-.015	-1.006	.159	.172	.999	-1.327	-.052	.355	-.006	-.350	.607	.406	-1.685
BEX4	-.305	-1.043	.069	2.428	.758	-.562	-.845	.077	.544	.026	-.928	.660	-1.678	.934	.523	-.966	.513	-.340
BEX5	-1.740	-.663	.374	.758	3.954	.735	-1.848	-2.356	-.359	-.560	.513	-2.024	.921	2.641	-.976	-1.066	-1.092	2.451
BEX6	-1.407	.999	-.015	-.562	.735	3.640	-.398	-2.645	.262	-.200	.055	-2.775	1.431	-.172	-.663	.015	-1.219	3.248
BEX7	.923	1.988	-1.006	-.845	-1.848	-.398	4.572	1.243	-1.546	-.519	.180	1.197	1.044	-3.270	1.322	.547	-1.912	-.613
BEX8	2.164	.084	.159	.077	-2.356	-2.645	1.243	6.178	.460	.592	-1.684	3.492	-3.387	-2.438	1.720	1.229	1.129	-5.426
BEX9	-1.039	-.662	.172	.544	-.359	.262	-1.546	.460	6.570	.620	-2.300	.266	-5.033	-1.680	2.300	-.359	1.670	-.590
BEX10	.260	-.321	.999	.026	-.560	-.200	-.519	.592	.620	2.948	-.925	-.480	-1.139	-.558	-.282	.170	.567	-.965
BEX11	.935	-.412	-1.327	-.928	.513	.055	.180	-1.684	-2.300	-.925	5.735	-2.803	3.646	.774	-1.808	-1.040	-1.592	3.100
BEX12	1.119	.098	-.052	.660	-2.024	-2.775	1.197	3.492	.266	-.480	-2.803	7.110	-3.288	-1.563	2.616	.028	1.936	-5.553
BEX13	-1.119	.823	.355	-1.678	.921	1.431	1.044	-3.387	-5.033	-1.139	3.646	-3.288	9.387	.825	-3.757	.657	-2.703	3.804
BEX14	.324	-2.914	-.006	.934	2.641	-.172	-3.270	-2.438	-1.680	-.558	.774	-1.563	.825	7.998	-3.551	-1.500	1.113	1.894
BEX15	-1.110	1.027	-.350	.523	-.976	-.663	1.322	1.720	2.300	-.282	-1.808	2.616	-3.757	-3.551	5.487	-.067	-.444	-1.708
BEX16	.203	.834	.607	-.966	-1.066	.015	.547	1.229	-.359	.170	-1.040	.028	.657	-1.500	-.067	2.960	.358	-1.779
BEX17	.795	-1.769	.406	.513	-1.092	-1.219	-1.912	1.129	1.670	.567	-1.592	1.936	-2.703	1.113	-.444	.358	6.439	-4.814
BEX18	-1.959	-.523	-1.685	-.340	2.451	3.248	-.613	-5.426	-.590	-.965	3.100	-5.553	3.804	1.894	-1.708	-1.779	-4.814	11.013

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.767
Bartlett's Test of Sphericity	Approx. Chi-Square	527.649
	df	153
	Sig.	.000

Anti-image Matrices

		BEX1	BEX2	BEX3	BEX4	BEX5	BEX6	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX16	BEX17	BEX18
Anti-image Covariance	BEX1	.236	-.037	-.090	-.030	-.104	-.091	.048	.083	-.037	.021	.038	.037	-.028	.010	-.048	.016	.029	-.042
	BEX2	-.037	.243	-.012	-.104	-.041	.067	.106	.003	-.025	-.026	-.017	.003	.021	-.089	.046	.069	-.067	-.012
	BEX3	-.090	-.012	.328	.009	.031	-.001	-.072	.008	.009	.111	-.076	-.002	.012	.000	-.021	.067	.021	-.050
	BEX4	-.030	-.104	.009	.412	.079	-.064	-.076	.005	.034	.004	-.067	.038	-.074	.048	.039	-.134	.033	-.013
	BEX5	-.104	-.041	.031	.079	.253	.051	-.102	-.096	-.014	-.048	.023	-.072	.025	.084	-.045	-.091	-.043	.056
	BEX6	-.091	.067	-.001	-.064	.051	.275	-.024	-.118	.011	-.019	.003	-.107	.042	-.006	-.033	.001	-.052	.081
	BEX7	.048	.106	-.072	-.076	-.102	-.024	.219	.044	-.051	-.038	.007	.037	.024	-.089	.053	.040	-.065	-.012
	BEX8	.083	.003	.008	.005	-.096	-.118	.044	.162	.011	.033	-.048	.080	-.058	-.049	.051	.067	.028	-.080
	BEX9	-.037	-.025	.009	.034	-.014	.011	-.051	.011	.152	.032	-.061	.006	-.082	-.032	.064	-.018	.039	-.008
	BEX10	.021	-.026	.111	.004	-.048	-.019	-.038	.033	.032	.339	-.055	-.023	-.041	-.024	-.017	.020	.030	-.030
	BEX11	.038	-.017	-.076	-.067	.023	.003	.007	-.048	-.061	-.055	.174	-.069	.068	.017	-.057	-.061	-.043	.049
	BEX12	.037	.003	-.002	.038	-.072	-.107	.037	.080	.006	-.023	-.069	.141	-.049	-.027	.067	.001	.042	-.071
	BEX13	-.028	.021	.012	-.074	.025	.042	.024	-.058	-.082	-.041	.068	-.049	.107	.011	-.073	.024	-.045	.037
	BEX14	.010	-.089	.000	.048	.084	-.006	-.089	-.049	-.032	-.024	.017	-.027	.011	.125	-.081	-.063	.022	.022
	BEX15	-.048	.046	-.021	.039	-.045	-.033	.053	.051	.064	-.017	-.057	.067	-.073	-.081	.182	-.004	-.013	-.028
	BEX16	.016	.069	.067	-.134	-.091	.001	.040	.067	-.018	.020	-.061	.001	.024	-.063	-.004	.338	.019	-.055
	BEX17	.029	-.067	.021	.033	-.043	-.052	-.065	.028	.039	.030	-.043	.042	-.045	.022	-.013	.019	.155	-.068
	BEX18	-.042	-.012	-.050	-.013	.056	.081	-.012	-.080	-.008	-.030	.049	-.071	.037	.022	-.028	-.055	-.068	.091
Anti-image Correlation	BEX1	.747[a]	-.156	-.325	-.095	-.425	-.358	.210	.423	-.197	.073	.190	.204	-.177	.056	-.230	.057	.152	-.287
	BEX2	-.156	.819[a]	-.042	-.330	-.164	.258	.459	.017	-.127	-.092	-.085	.018	.133	-.508	.216	.239	-.344	-.078
	BEX3	-.325	-.042	.849[a]	.025	.108	-.004	-.269	.037	.038	.333	-.317	-.011	.066	-.001	-.086	.202	.092	-.291
	BEX4	-.095	-.330	.025	.819[a]	.245	-.189	-.254	.020	.136	.010	-.249	.159	-.351	.212	.143	-.361	.130	-.066
	BEX5	-.425	-.164	.108	.245	.725[a]	.194	-.435	-.477	-.070	-.164	.108	-.382	.151	.470	-.209	-.312	-.216	.371
	BEX6	-.358	.258	-.004	-.189	.194	.714[a]	-.098	-.558	.054	-.061	.012	-.546	.245	-.032	-.148	.005	-.252	.513
	BEX7	.210	.459	-.269	-.254	-.435	-.098	.741[a]	.234	-.282	-.141	.035	.210	.159	-.541	.264	.149	-.352	-.086

Communalities

	Initial	Extraction
BEX1	1.000	.704
BEX2	1.000	.625
BEX3	1.000	.717
BEX4	1.000	.439
BEX5	1.000	.499
BEX6	1.000	.570
BEX7	1.000	.596
BEX8	1.000	.572
BEX9	1.000	.732
BEX10	1.000	.669
BEX11	1.000	.813
BEX12	1.000	.727
BEX13	1.000	.892
BEX14	1.000	.722
BEX15	1.000	.719
BEX16	1.000	.592
BEX17	1.000	.786
BEX18	1.000	.846

Extraction Method: Principal Component Analysis.

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	9.267	51.484	51.484	9.267	51.484	51.484
2	1.709	9.494	60.979	1.709	9.494	60.979
3	1.244	6.914	67.892	1.244	6.914	67.892
4	.876	4.867	72.759			
5	.811	4.504	77.264			
6	.724	4.024	81.287			
7	.633	3.519	84.806			
8	.572	3.175	87.982			
9	.504	2.800	90.782			

10	.379	2.105	92.886			
11	.334	1.855	94.741			
12	.263	1.463	96.204			
13	.227	1.261	97.465			
14	.157	.873	98.338			
15	.127	.704	99.042			
16	.076	.420	99.461			
17	.064	.355	99.817			
18	.033	.183	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix[a]

	Component		
	1	2	3
BEX1	.577	.609	.010
BEX2	.742	.192	.195
BEX3	.617	.098	.572
BEX4	.644	-.140	-.067
BEX5	.702	.074	.023
BEX6	.633	-.271	-.309
BEX7	.685	-.330	.137
BEX8	.752	.077	-.033
BEX9	.809	.003	-.277
BEX10	.742	-.148	-.311
BEX11	.739	-.513	.060
BEX12	.790	-.321	-.015
BEX13	.706	.456	-.431
BEX14	.825	-.083	-.184
BEX15	.672	.480	-.194
BEX16	.633	-.434	.049
BEX17	.792	.196	.346
BEX18	.791	.135	.450

Extraction Method: Principal Component Analysis.

a. 3 components extracted.

Reproduced Correlations

		BEX1	BEX2	BEX3	BEX4	BEX5	BEX6	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX16	BEX17	BEX18
Reproduced Correlation	BEX1	.704[a]	.547	.421	.286	.450	.197	.196	.480	.466	.335	.115	.260	.681	.424	.678	.102	.580	.543
	BEX2	.547	.625[a]	.588	.438	.539	.357	.471	.566	.547	.461	.461	.521	.527	.560	.552	.396	.693	.700
	BEX3	.421	.588	.717[a]	.346	.453	.187	.468	.452	.341	.265	.440	.447	.234	.396	.350	.376	.706	.758
	BEX4	.286	.438	.346	.439[a]	.440	.467	.478	.476	.540	.519	.544	.555	.420	.556	.379	.466	.460	.461
	BEX5	.450	.539	.453	.440	.499[a]	.418	.459	.533	.562	.503	.482	.530	.520	.569	.503	.413	.578	.575
	BEX6	.197	.357	.187	.467	.418	.570[a]	.481	.465	.598	.606	.589	.592	.457	.602	.356	.504	.342	.325
	BEX7	.196	.471	.468	.478	.459	.481	.596[a]	.485	.515	.514	.684	.644	.275	.567	.275	.583	.525	.558
	BEX8	.480	.566	.452	.476	.533	.465	.485	.572[a]	.618	.557	.514	.569	.580	.620	.549	.441	.599	.590
	BEX9	.466	.547	.341	.540	.562	.598	.515	.618	.732[a]	.686	.581	.643	.692	.719	.599	.498	.546	.516
	BEX10	.335	.461	.265	.519	.503	.606	.514	.557	.686	.669[a]	.606	.638	.591	.682	.488	.519	.451	.427
	BEX11	.115	.461	.440	.544	.482	.589	.684	.514	.581	.606	.813[a]	.748	.263	.642	.239	.694	.506	.542
	BEX12	.260	.521	.447	.555	.530	.592	.644	.569	.643	.638	.748	.727[a]	.418	.681	.379	.639	.557	.574
	BEX13	.681	.527	.234	.420	.520	.457	.275	.580	.692	.591	.263	.418	.892[a]	.624	.777	.229	.500	.427
	BEX14	.424	.560	.396	.556	.569	.602	.567	.620	.719	.682	.642	.681	.624	.722[a]	.550	.550	.574	.559
	BEX15	.678	.552	.350	.379	.503	.356	.275	.549	.599	.488	.239	.379	.777	.550	.719[a]	.208	.559	.509
	BEX16	.102	.396	.376	.466	.413	.504	.583	.441	.498	.519	.694	.639	.229	.550	.208	.592[a]	.433	.464
	BEX17	.580	.693	.706	.460	.578	.342	.525	.599	.546	.451	.506	.557	.500	.574	.559	.433	.786[a]	.809
	BEX18	.543	.700	.758	.461	.575	.325	.558	.590	.516	.427	.542	.574	.427	.559	.509	.464	.809	.846[a]
Residual[b]	BEX1		-.075	.064	.045	.073	.080	-.016	-.190	.014	-.031	.025	.062	-.063	-.080	-.028	.111	-.105	-.058
	BEX2	-.075		-.099	.081	-.108	-.116	-.121	-.008	.034	.034	.027	-.014	-.020	.082	-.081	-.021	-.026	-.019
	BEX3	.064	-.099		-.001	-.096	.109	.020	-.052	.051	-.056	.047	-.004	.014	.045	.049	-.063	-.134	-.100
	BEX4	.045	.081	-.001		-.151	-.055	-.066	-.057	-.011	-.081	-.010	-.092	.043	-.073	-.048	.058	-.033	-.021
	BEX5	.073	-.108	-.096	-.151		.014	.069	-.010	-.032	.035	-.040	.048	-.040	-.177	-.066	.023	.032	-.046
	BEX6	.080	-.116	.109	-.055	.014		-.023	.093	-.123	-.112	-.004	.025	-.060	-.066	.019	-.129	.033	-.029
	BEX7	-.016	-.121	.020	-.066	.069	-.023		-.026	.065	-.019	-.099	-.137	.013	.075	.002	-.112	.044	-.070
	BEX8	-.190	-.008	-.052	-.057	-.010	.093	-.026		-.043	-.056	-.025	-.068	.022	.014	-.079	-.150	.048	.076
	BEX9	.014	.034	.051	-.011	-.032	-.123	.065	-.043		-.095	.001	-.007	.051	.023	-.119	-.018	-.066	-.029
	BEX10	-.031	.034	-.056	-.081	.035	-.112	-.019	-.056	-.095		-.022	.023	-.037	-.041	.005	-.026	.042	.063
	BEX11	.025	.027	.047	-.010	-.040	-.004	-.099	-.025	.001	-.022		-.012	-.015	-.013	.074	-.035	-.020	-.055
	BEX12	.062	-.014	-.004	-.092	.048	.025	-.137	-.068	-.007	.023	-.012		.025	-.087	-.058	-.021	-.038	.064
	BEX13	-.063	-.020	.014	.043	-.040	-.060	.013	.022	.051	-.037	-.015	.025		-.031	-.061	-.006	.019	.016
	BEX14	-.080	.082	.045	-.073	-.177	-.066	.075	.014	.023	-.041	-.013	-.087	-.031		.078	-.016	-.041	-.024
	BEX15	-.028	-.081	.049	-.048	-.066	.019	.002	-.079	-.119	.005	.074	-.058	-.061	.078		.093	.004	-.023
	BEX16	.111	-.021	-.063	.058	.023	-.129	-.112	-.150	-.018	-.026	-.035	-.021	-.006	-.016	.093		-.045	.022
	BEX17	-.105	-.026	-.134	-.033	.032	.033	.044	.048	-.066	.042	-.020	-.038	.019	-.041	.004	-.045		.023
	BEX18	-.058	-.019	-.100	-.021	-.046	-.029	-.070	.076	-.029	.063	-.055	.064	.016	-.024	-.023	.022	.023	

Extraction Method: Principal Component Analysis.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 67 (43.0%) nonredundant residuals with absolute values greater than 0.05.

```
FACTOR
  /VARIABLES BEX1 BEX2 BEX3 BEX5 BEX6 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12
BEX13 BEX14 BEX15 BEX16
    BEX17 BEX18
  /MISSING LISTWISE
  /ANALYSIS BEX1 BEX2 BEX3 BEX5 BEX6 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12
BEX13 BEX14 BEX15 BEX16 BEX17
    BEX18
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:25:33
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav

	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES BEX1 BEX2 BEX3 BEX5 BEX6 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14 BEX15 BEX16 BEX17 BEX18 /MISSING LISTWISE /ANALYSIS BEX1 BEX2 BEX3 BEX5 BEX6 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14 BEX15 BEX16 BEX17 BEX18 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.06
	Elapsed Time	00:00:00.45
	Maximum Memory Required	35976 (35.133K) bytes

Correlation Matrix[a]

		BEX1	BEX2	BEX3	BEX5	BEX6	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX16	BEX17	BEX18
Correlation	BEX1	1.000	.472	.486	.523	.277	.180	.291	.480	.304	.140	.321	.618	.343	.650	.213	.475	.486
	BEX2	.472	1.000	.489	.431	.242	.350	.558	.580	.495	.489	.507	.507	.642	.472	.374	.666	.681
	BEX3	.486	.489	1.000	.357	.296	.489	.401	.392	.209	.487	.443	.248	.441	.399	.313	.572	.658
	BEX5	.523	.431	.357	1.000	.431	.528	.523	.530	.538	.443	.578	.480	.392	.437	.437	.610	.529
	BEX6	.277	.242	.296	.431	1.000	.458	.558	.474	.495	.585	.617	.397	.537	.374	.374	.374	.296
	BEX7	.180	.350	.489	.528	.458	1.000	.459	.580	.495	.585	.507	.287	.642	.277	.472	.569	.489
	BEX8	.291	.558	.401	.523	.558	.459	1.000	.575	.501	.489	.501	.602	.634	.469	.291	.648	.665
	BEX9	.480	.580	.392	.530	.474	.580	.575	1.000	.592	.581	.636	.744	.742	.480	.480	.480	.487
	BEX10	.304	.495	.209	.538	.495	.495	.501	.592	1.000	.584	.661	.554	.641	.493	.493	.493	.490
	BEX11	.140	.489	.487	.443	.585	.585	.489	.581	.584	1.000	.736	.248	.629	.313	.659	.486	.487
	BEX12	.321	.507	.443	.578	.617	.507	.501	.636	.661	.736	1.000	.443	.594	.321	.618	.519	.638
	BEX13	.618	.507	.248	.480	.397	.287	.602	.744	.554	.248	.443	1.000	.594	.716	.223	.519	.443
	BEX14	.343	.642	.441	.392	.537	.642	.634	.742	.641	.629	.594	.594	1.000	.628	.533	.533	.535
	BEX15	.650	.472	.399	.437	.374	.277	.469	.480	.493	.313	.321	.716	.628	1.000	.300	.563	.486
	BEX16	.213	.374	.313	.437	.374	.472	.291	.480	.493	.659	.618	.223	.533	.300	1.000	.388	.486
	BEX17	.475	.666	.572	.610	.374	.569	.648	.480	.493	.486	.519	.519	.533	.563	.388	1.000	.832
	BEX18	.486	.681	.658	.529	.296	.489	.665	.487	.490	.487	.638	.443	.535	.486	.486	.832	1.000
Sig. (1-tailed)	BEX1		.001	.001	.000	.044	.137	.036	.001	.030	.198	.023	.000	.016	.000	.096	.001	.001
	BEX2	.001		.001	.003	.069	.014	.000	.000	.001	.001	.000	.000	.000	.001	.009	.000	.000
	BEX3	.001	.001		.013	.034	.001	.006	.007	.101	.001	.002	.064	.002	.006	.026	.000	.000
	BEX5	.000	.003	.013		.003	.000	.000	.000	.000	.002	.000	.001	.007	.003	.003	.000	.000
	BEX6	.044	.069	.034	.003		.002	.000	.001	.001	.000	.000	.006	.000	.009	.009	.009	.034
	BEX7	.137	.014	.001	.000	.002		.002	.000	.001	.000	.000	.038	.000	.044	.001	.000	.001
	BEX8	.036	.000	.006	.000	.000	.002		.000	.001	.001	.001	.000	.000	.001	.036	.000	.000
	BEX9	.001	.000	.007	.000	.001	.000	.000		.000	.000	.000	.000	.000	.001	.001	.001	.001
	BEX10	.030	.001	.101	.000	.001	.001	.001	.000		.000	.000	.000	.000	.001	.001	.001	.001
	BEX11	.198	.001	.001	.002	.000	.000	.001	.000	.000		.000	.064	.000	.026	.000	.001	.001
	BEX12	.023	.000	.002	.000	.000	.000	.001	.000	.000	.000		.002	.000	.023	.000	.000	.000
	BEX13	.000	.000	.064	.001	.006	.038	.000	.000	.000	.064	.002		.000	.000	.086	.000	.002
	BEX14	.016	.000	.002	.007	.000	.000	.000	.000	.000	.000	.000	.000		.000	.000	.000	.000
	BEX15	.000	.001	.006	.003	.009	.044	.001	.001	.001	.026	.023	.000	.000		.032	.000	.001
	BEX16	.096	.009	.026	.003	.009	.001	.036	.001	.001	.000	.000	.086	.000	.032		.007	.001
	BEX17	.001	.000	.000	.000	.009	.000	.000	.001	.001	.001	.000	.000	.000	.000	.007		.000
	BEX18	.001	.000	.000	.000	.034	.001	.000	.001	.001	.001	.000	.002	.000	.001	.001	.000	

a. Determinant = 1.08E-007

Inverse of Correlation Matrix

	BEX1	BEX2	BEX3	BEX5	BEX6	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX16	BEX17	BEX18
BEX1	4.202	-.781	-1.158	-1.645	-1.477	.817	2.174	-.970	.263	.818	1.202	-1.329	.441	-1.044	.081	.860	-2.002
BEX2	-.781	3.662	-.120	-.338	.757	1.625	.117	-.428	-.309	-.810	.381	.103	-2.513	1.252	.419	-1.549	-.669
BEX3	-1.158	-.120	3.047	.352	.001	-.982	.156	.157	.998	-1.301	-.071	.403	-.033	-.365	.635	.391	-1.676
BEX5	-1.645	-.338	.352	3.718	.910	-1.584	-2.380	-.529	-.568	.803	-2.230	1.445	2.350	-1.139	-.765	-1.252	2.558
BEX6	-1.477	.757	.001	.910	3.510	-.594	-2.627	.388	-.194	-.160	-2.622	1.043	.045	-.542	-.208	-1.100	3.169
BEX7	.817	1.625	-.982	-1.584	-.594	4.278	1.269	-1.356	-.509	-.143	1.427	.460	-2.945	1.504	.210	-1.733	-.732
BEX8	2.174	.117	.156	-2.380	-2.627	1.269	6.178	.442	.591	-1.654	3.472	-3.334	-2.468	1.703	1.260	1.113	-5.415
BEX9	-.970	-.428	.157	-.529	.388	-1.356	.442	6.449	.614	-2.092	.118	-4.656	-1.889	2.183	-.142	1.555	-.514
BEX10	.263	-.309	.998	-.568	-.194	-.509	.591	.614	2.948	-.915	-.487	-1.121	-.568	-.288	.181	.562	-.962
BEX11	.818	-.810	-1.301	.803	-.160	-.143	-1.654	-2.092	-.915	5.380	-2.550	3.004	1.131	-1.808	-1.408	-1.398	2.970
BEX12	1.202	.381	-.071	-2.230	-2.622	1.427	3.472	.118	-.487	-2.550	6.930	-2.832	-1.817	2.474	.290	1.797	-5.460
BEX13	-1.329	.103	.403	1.445	1.043	.460	-3.334	-4.656	-1.121	3.004	-2.832	8.228	1.470	-3.396	-.011	-2.349	3.568
BEX14	.441	-2.513	-.033	2.350	.045	-2.945	-2.468	-1.889	-.568	1.131	-1.817	1.470	7.638	-3.753	-1.128	.916	2.025
BEX15	-1.044	1.252	-.365	-1.139	-.542	1.504	1.703	2.183	-.288	-1.808	2.474	-3.396	-3.753	5.375	.141	-.554	-1.635
BEX16	.081	.419	.635	-.765	-.208	.210	1.260	-.142	.181	-1.408	.290	-.011	-1.128	.141	2.575	.562	-1.915
BEX17	.860	-1.549	.391	-1.252	-1.100	-1.733	1.113	1.555	.562	-1.396	1.797	-2.349	.916	-.554	.562	6.331	-4.742
BEX18	-2.002	-.669	-1.676	2.558	3.169	-.732	-5.415	-.514	-.962	2.970	-5.460	3.568	2.025	-1.635	-1.915	-4.742	10.985

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.760
Bartlett's Test of Sphericity	Approx. Chi-Square	505.356
	df	136
	Sig.	.000

Anti-image Matrices

		BEX1	BEX2	BEX3	BEX5	BEX6	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX16	BEX17	BEX18
Anti-image Covariance	BEX1	.238	-.051	-.090	-.105	-.100	.045	.084	-.036	.021	.036	.041	-.038	.014	-.046	.008	.032	-.043
	BEX2	-.051	.273	-.011	-.025	.059	.104	.005	-.018	-.029	-.041	.015	.003	-.090	.064	.044	-.067	-.017
	BEX3	-.090	-.011	.328	.031	.000	-.075	.008	.008	.111	-.079	-.003	.016	-.001	-.022	.081	.020	-.050
	BEX5	-.105	-.025	.031	.269	.070	-.100	-.104	-.022	-.052	.040	-.087	.047	.083	-.057	-.080	-.053	.063
	BEX6	-.100	.059	.000	.070	.285	-.040	-.121	.017	-.019	-.008	-.108	.036	.002	-.029	-.023	-.050	.082
	BEX7	.045	.104	-.075	-.100	-.040	.234	.048	-.049	-.040	-.006	.048	.013	-.090	.065	.019	-.064	-.016
	BEX8	.084	.005	.008	-.104	-.121	.048	.162	.011	.032	-.050	.081	-.066	-.052	.051	.079	.028	-.080
	BEX9	-.036	-.018	.008	-.022	.017	-.049	.011	.155	.032	-.060	.003	-.088	-.038	.063	-.009	.038	-.007
	BEX10	.021	-.029	.111	-.052	-.019	-.040	.032	.032	.339	-.058	-.024	-.046	-.025	-.018	.024	.030	-.030
	BEX11	.036	-.041	-.079	.040	-.008	-.006	-.050	-.060	-.058	.186	-.068	.068	.028	-.056	-.102	-.041	.050
	BEX12	.041	.015	-.003	-.087	-.108	.048	.081	.003	-.024	-.068	.144	-.050	-.034	.066	.016	.041	-.072
	BEX13	-.038	.003	.016	.047	.036	.013	-.066	-.088	-.046	.068	-.050	.122	.023	-.077	-.001	-.045	.040
	BEX14	.014	-.090	-.001	.083	.002	-.090	-.052	-.038	-.025	.028	-.034	.023	.131	-.091	-.057	.019	.024
	BEX15	-.046	.064	-.022	-.057	-.029	.065	.051	.063	-.018	-.056	.066	-.077	-.091	.186	.010	-.016	-.028
	BEX16	.008	.044	.081	-.080	-.023	.019	.079	-.009	.024	-.102	.016	-.001	-.057	.010	.388	.034	-.068
	BEX17	.032	-.067	.020	-.053	-.050	-.064	.028	.038	.030	-.041	.041	-.045	.019	-.016	.034	.158	-.068
	BEX18	-.043	-.017	-.050	.063	.082	-.016	-.080	-.007	-.030	.050	-.072	.040	.024	-.028	-.068	-.068	.091
Anti-image Correlation	BEX1	.732[a]	-.199	-.324	-.416	-.385	.193	.427	-.186	.075	.172	.223	-.226	.078	-.220	.025	.167	-.295
	BEX2	-.199	.846[a]	-.036	-.092	.211	.411	.025	-.088	-.094	-.183	.076	.019	-.475	.282	.137	-.322	-.106
	BEX3	-.324	-.036	.841[a]	.105	.000	-.272	.036	.035	.333	-.321	-.015	.080	-.007	-.090	.227	.089	-.290
	BEX5	-.416	-.092	.105	.714[a]	.252	-.397	-.497	-.108	-.172	.179	-.439	.261	.441	-.255	-.247	-.258	.401
	BEX6	-.385	.211	.000	.252	.709[a]	-.153	-.564	.082	-.060	-.037	-.532	.194	.009	-.125	-.089	-.233	.511
	BEX7	.193	.411	-.272	-.397	-.153	.756[a]	.247	-.258	-.143	-.030	.262	.078	-.515	.314	.063	-.333	-.107
	BEX8	.427	.025	.036	-.497	-.564	.247	.665[a]	.070	.139	-.287	.531	-.468	-.359	.296	.316	.178	-.658
	BEX9	-.186	-.088	.035	-.108	.082	-.258	.070	.839[a]	.141	-.355	.018	-.639	-.269	.371	-.035	.243	-.061
	BEX10	.075	-.094	.333	-.172	-.060	-.143	.139	.141	.913[a]	-.230	-.108	-.228	-.120	-.072	.066	.130	-.169
	BEX11	.172	-.183	-.321	.179	-.037	-.030	-.287	-.355	-.230	.766[a]	-.418	.452	.176	-.299	-.379	-.239	.387
	BEX12	.223	.076	-.015	-.439	-.532	.262	.531	.018	-.108	-.418	.719[a]	-.375	-.250	.405	.069	.271	-.626
	BEX13	-.226	.019	.080	.261	.194	.078	-.468	-.639	-.228	.452	-.375	.699[a]	.185	-.511	-.002	-.325	.376
	BEX14	.078	-.475	-.007	.441	.009	-.515	-.359	-.269	-.120	.176	-.250	.185	.778[a]	-.586	-.254	.132	.221
	BEX15	-.220	.282	-.090	-.255	-.125	.314	.296	.371	-.072	-.299	.405	-.511	-.586	.715[a]	.038	-.095	-.213
	BEX16	.025	.137	.227	-.247	-.069	.063	.316	-.035	.066	-.379	.069	-.002	-.254	.038	.832[a]	.139	-.360
	BEX17	.167	-.322	.089	-.258	-.233	-.333	.178	.243	.130	-.239	.271	-.325	.132	-.095	.139	.820[a]	-.569
	BEX18	-.295	-.106	-.290	.401	.511	-.107	-.658	-.061	-.169	.387	-.626	.376	.221	-.213	-.360	-.569	.682[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
BEX1	1.000	.706
BEX2	1.000	.624
BEX3	1.000	.718
BEX5	1.000	.511
BEX6	1.000	.580

BEX7	1.000	.604
BEX8	1.000	.577
BEX9	1.000	.728
BEX10	1.000	.680
BEX11	1.000	.808
BEX12	1.000	.739
BEX13	1.000	.889
BEX14	1.000	.728
BEX15	1.000	.721
BEX16	1.000	.575
BEX17	1.000	.785
BEX18	1.000	.846

Extraction Method: Principal Component Analysis.

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	8.880	52.234	52.234	8.880	52.234	52.234
2	1.696	9.977	62.212	1.696	9.977	62.212
3	1.242	7.308	69.519	1.242	7.308	69.519
4	.811	4.771	74.290			
5	.774	4.551	78.841			
6	.720	4.233	83.074			
7	.615	3.620	86.695			
8	.531	3.122	89.816			
9	.394	2.316	92.132			
10	.335	1.972	94.105			
11	.268	1.578	95.682			
12	.232	1.363	97.045			
13	.185	1.087	98.132			
14	.131	.769	98.901			
15	.080	.473	99.374			
16	.073	.428	99.802			
17	.034	.198	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix[a]

	Component		
	1	2	3
BEX1	.580	.608	.018
BEX2	.737	.195	.205
BEX3	.620	.086	.571
BEX5	.713	.049	.005
BEX6	.632	-.279	-.321
BEX7	.686	-.345	.123
BEX8	.756	.064	-.041
BEX9	.807	.001	-.276
BEX10	.744	-.157	-.320
BEX11	.733	-.518	.054
BEX12	.791	-.334	-.026
BEX13	.705	.459	-.424
BEX14	.827	-.091	-.188
BEX15	.679	.472	-.193
BEX16	.623	-.429	.051
BEX17	.798	.180	.341
BEX18	.795	.121	.447

Extraction Method: Principal Component Analysis.

a. 3 components extracted.

Reproduced Correlations

		BEX1	BEX2	BEX3	BEX5	BEX6	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX16	BEX17	BEX18
Reproduced Correlation	BEX1	.706[a]	.550	.422	.443	.191	.190	.476	.464	.330	.111	.255	.680	.421	.677	.101	.578	.543
	BEX2	.550	.624[a]	.591	.536	.346	.464	.561	.539	.452	.451	.513	.522	.554	.553	.386	.693	.701
	BEX3	.422	.591	.718[a]	.449	.185	.466	.450	.343	.265	.441	.447	.234	.398	.351	.378	.704	.758
	BEX5	.443	.536	.449	.511[a]	.436	.473	.542	.575	.521	.498	.548	.523	.585	.506	.424	.579	.575
	BEX6	.191	.346	.185	.436	.580[a]	.490	.473	.598	.617	.591	.602	.454	.608	.359	.497	.344	.325
	BEX7	.190	.464	.466	.473	.490	.604[a]	.491	.519	.525	.688	.655	.273	.576	.279	.581	.527	.558
	BEX8	.476	.561	.450	.542	.473	.491	.577[a]	.621	.565	.519	.578	.580	.627	.551	.441	.600	.590
	BEX9	.464	.539	.343	.575	.598	.519	.621	.728[a]	.689	.576	.646	.687	.720	.602	.488	.550	.518
	BEX10	.330	.452	.265	.521	.617	.525	.565	.689	.680[a]	.609	.649	.588	.690	.492	.514	.456	.429
	BEX11	.111	.451	.441	.498	.591	.688	.519	.576	.609	.808[a]	.752	.256	.644	.243	.682	.510	.544
	BEX12	.255	.513	.447	.548	.602	.655	.578	.646	.649	.752	.739[a]	.416	.690	.384	.635	.562	.577
	BEX13	.680	.522	.234	.523	.454	.273	.580	.687	.588	.256	.416	.689[a]	.621	.778	.220	.501	.426
	BEX14	.421	.554	.398	.585	.608	.576	.627	.720	.690	.644	.690	.621	.728[a]	.555	.545	.580	.563
	BEX15	.677	.553	.351	.506	.359	.279	.551	.602	.492	.243	.384	.778	.555	.721[a]	.210	.561	.510
	BEX16	.101	.386	.378	.424	.497	.581	.441	.488	.514	.682	.635	.220	.545	.210	.575[a]	.437	.466
	BEX17	.578	.693	.704	.579	.344	.527	.600	.550	.456	.510	.562	.501	.580	.561	.437	.785[a]	.808
	BEX18	.543	.701	.758	.575	.325	.558	.590	.518	.429	.544	.577	.426	.563	.510	.466	.808	.846[a]
Residual[b]	BEX1		-.078	.064	.080	.086	-.010	-.186	.016	-.026	.028	.066	-.063	-.077	-.027	.112	-.103	-.057
	BEX2	-.078		-.102	-.105	-.104	-.114	-.003	.042	.043	.038	-.006	-.015	.089	-.081	-.012	-.027	-.020
	BEX3	.064	-.102		-.092	.112	.023	-.050	.050	-.056	.046	-.004	.014	.043	.048	-.066	-.132	-.100
	BEX5	.080	-.105	-.092		-.004	.055	-.019	-.044	.017	-.055	.030	-.043	-.193	-.070	.013	.031	-.046
	BEX6	.086	-.104	.112	-.004		-.032	.085	-.124	-.122	-.006	.015	-.056	-.072	.015	-.123	.030	-.029
	BEX7	-.010	-.114	.023	.055	-.032		-.032	.062	-.030	-.103	-.148	.015	.067	-.002	-.110	.042	-.070
	BEX8	-.186	-.003	-.050	-.019	.085	-.032		-.047	-.064	-.030	-.076	.022	.007	-.082	-.150	.048	.076
	BEX9	.016	.042	.050	-.044	-.124	.062	-.047		-.097	.005	-.010	.056	.022	-.122	-.008	-.070	-.032
	BEX10	-.026	.043	-.056	.017	-.122	-.030	-.064	-.097		-.025	.011	-.034	-.048	.001	-.021	.037	.061
	BEX11	.028	.038	.046	-.055	-.006	-.103	-.030	.005	-.025		-.016	-.009	-.015	.070	-.023	-.024	-.057
	BEX12	.066	-.006	-.004	.030	.015	-.148	-.076	-.010	.011	-.016		.027	-.096	-.063	-.018	-.043	.062
	BEX13	-.063	-.015	.014	-.043	-.056	.015	.022	.056	-.034	-.009	.027		-.027	-.061	.002	.018	.017
	BEX14	-.077	.089	.043	-.193	-.072	.067	.007	.022	-.048	-.015	-.096	-.027		.074	-.011	-.046	-.028
	BEX15	-.027	-.081	.048	-.070	.015	-.002	-.082	-.122	.001	.070	-.063	-.061	.074		.090	.002	-.025
	BEX16	.112	-.012	-.066	.013	-.123	-.110	-.150	-.008	-.021	-.023	-.018	.002	-.011	.090		-.049	.020
	BEX17	-.103	-.027	-.132	.031	.030	.042	.048	-.070	.037	-.024	-.043	.018	-.046	.002	-.049		.024
	BEX18	-.057	-.020	-.100	-.046	-.029	-.070	.076	-.032	.061	-.057	.062	.017	-.028	-.025	.020	.024	

Extraction Method: Principal Component Analysis.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 57 (41.0%) nonredundant residuals with absolute values greater than 0.05.

```
FACTOR
  /VARIABLES BEX2 BEX3 BEX5 BEX6 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13
BEX14 BEX15 BEX16 BEX17
    BEX18
  /MISSING LISTWISE
  /ANALYSIS BEX2 BEX3 BEX5 BEX6 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13
BEX14 BEX15 BEX16 BEX17 BEX18
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:26:36
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES BEX2 BEX3 BEX5 BEX6 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14 BEX15 BEX16 BEX17 BEX18 /MISSING LISTWISE /ANALYSIS BEX2 BEX3 BEX5 BEX6 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14 BEX15 BEX16 BEX17 BEX18 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.11
	Elapsed Time	00:00:00.44
	Maximum Memory Required	32144 (31.391K) bytes

Correlation Matrix[a]

		BEX2	BEX3	BEX5	BEX6	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX16	BEX17	BEX18
Correlation	BEX2	1.000	.489	.431	.242	.350	.558	.580	.495	.489	.507	.507	.642	.472	.374	.666	.681
	BEX3	.489	1.000	.357	.296	.489	.401	.392	.209	.487	.443	.248	.441	.399	.313	.572	.658
	BEX5	.431	.357	1.000	.431	.528	.523	.530	.538	.443	.578	.480	.392	.437	.437	.610	.529
	BEX6	.242	.296	.431	1.000	.458	.558	.474	.495	.585	.617	.397	.537	.374	.374	.374	.296
	BEX7	.350	.489	.528	.458	1.000	.459	.580	.495	.585	.507	.287	.642	.277	.472	.569	.489
	BEX8	.558	.401	.523	.558	.459	1.000	.575	.501	.489	.501	.602	.634	.469	.291	.648	.665
	BEX9	.580	.392	.530	.474	.580	.575	1.000	.592	.581	.636	.744	.742	.480	.480	.480	.487
	BEX10	.495	.209	.538	.495	.495	.501	.592	1.000	.584	.661	.554	.641	.493	.493	.493	.490
	BEX11	.489	.487	.443	.585	.585	.489	.581	.584	1.000	.736	.248	.629	.313	.659	.486	.487
	BEX12	.507	.443	.578	.617	.507	.501	.636	.661	.736	1.000	.443	.594	.321	.618	.519	.638
	BEX13	.507	.248	.480	.397	.287	.602	.744	.554	.248	.443	1.000	.594	.716	.223	.519	.443
	BEX14	.642	.441	.392	.537	.642	.634	.742	.641	.629	.594	.594	1.000	.628	.533	.533	.535
	BEX15	.472	.399	.437	.374	.277	.469	.480	.493	.313	.321	.716	.628	1.000	.300	.563	.486
	BEX16	.374	.313	.437	.374	.472	.291	.480	.493	.659	.618	.223	.533	.300	1.000	.388	.486
	BEX17	.666	.572	.610	.374	.569	.648	.480	.493	.486	.519	.519	.533	.563	.388	1.000	.832
	BEX18	.681	.658	.529	.296	.489	.665	.487	.490	.487	.638	.443	.535	.486	.486	.832	1.000
Sig. (1-tailed)	BEX2		.001	.003	.069	.014	.000	.000	.001	.001	.000	.000	.000	.001	.009	.000	.000
	BEX3	.001		.013	.034	.001	.006	.007	.101	.001	.002	.064	.002	.006	.026	.000	.000
	BEX5	.003	.013		.003	.000	.000	.000	.000	.002	.000	.001	.007	.003	.003	.000	.000
	BEX6	.069	.034	.003		.002	.000	.001	.001	.000	.000	.006	.000	.009	.009	.009	.034
	BEX7	.014	.001	.000	.002		.002	.000	.001	.000	.000	.038	.000	.044	.001	.000	.001
	BEX8	.000	.006	.000	.000	.002		.000	.001	.001	.001	.000	.000	.001	.036	.000	.000
	BEX9	.000	.007	.000	.001	.000	.000		.000	.000	.000	.000	.000	.001	.001	.001	.001
	BEX10	.001	.101	.000	.001	.001	.001	.000		.000	.000	.000	.000	.001	.001	.001	.001
	BEX11	.001	.001	.002	.000	.000	.001	.000	.000		.000	.064	.000	.026	.000	.001	.001
	BEX12	.000	.002	.000	.000	.000	.001	.000	.000	.000		.002	.000	.023	.000	.000	.000
	BEX13	.000	.064	.001	.006	.038	.000	.000	.000	.064	.002		.000	.000	.086	.000	.002
	BEX14	.000	.002	.007	.000	.000	.000	.000	.000	.000	.000	.000		.000	.000	.000	.000
	BEX15	.001	.006	.003	.009	.044	.001	.001	.001	.026	.023	.000	.000		.032	.000	.001
	BEX16	.009	.026	.003	.009	.001	.036	.001	.001	.000	.000	.086	.000	.032		.007	.001
	BEX17	.000	.000	.000	.009	.000	.000	.001	.001	.001	.000	.000	.000	.000	.007		.000
	BEX18	.000	.000	.000	.034	.001	.000	.001	.001	.001	.000	.002	.000	.001	.001	.000	

a. Determinant = 4.53E-007

Inverse of Correlation Matrix

	BEX2	BEX3	BEX5	BEX6	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX16	BEX17	BEX18
BEX2	3.517	-.335	-.643	.483	1.777	.521	-.609	-.261	-.658	.605	-.144	-2.431	1.057	.435	-1.389	-1.041
BEX3	-.335	2.728	-.101	-.406	-.757	.756	-.111	1.071	-1.075	.261	.036	.089	-.653	.657	.628	-2.227
BEX5	-.643	-.101	3.074	.332	-1.264	-1.529	-.909	-.465	1.123	-1.759	.924	2.522	-1.548	-.733	-.916	1.774
BEX6	.483	-.406	.332	2.991	-.307	-1.863	.047	-.101	.128	-2.200	.576	.200	-.909	-.180	-.798	2.465
BEX7	1.777	-.757	-1.264	-.307	4.119	.847	-1.168	-.561	-.302	1.194	.718	-3.030	1.707	.195	-1.900	-.343
BEX8	.521	.756	-1.529	-1.863	.847	5.051	.944	.455	-2.078	2.850	-2.646	-2.696	2.243	1.218	.668	-4.380
BEX9	-.609	-.111	-.909	.047	-1.168	.944	6.224	.675	-1.903	.396	-4.963	-1.787	1.942	-.124	1.753	-.976
BEX10	-.261	1.071	-.465	-.101	-.561	.455	.675	2.931	-.967	-.562	-1.038	-.596	-.222	.175	.508	-.837
BEX11	-.658	-1.075	1.123	.128	-.302	-2.078	-1.903	-.967	5.221	-2.784	3.263	1.045	-1.405	-1.425	-1.563	3.360
BEX12	.605	.261	-1.759	-2.200	1.194	2.850	.396	-.562	-2.784	6.586	-2.451	-1.943	2.773	.267	1.551	-4.888
BEX13	-.144	.036	.924	.576	.718	-2.646	-4.963	-1.038	3.263	-2.451	7.807	1.610	-3.726	.015	-2.077	2.935
BEX14	-2.431	.089	2.522	.200	-3.030	-2.696	-1.787	-.596	1.045	-1.943	1.610	7.592	-3.643	-1.136	.825	2.235
BEX15	1.057	-.653	-1.548	-.909	1.707	2.243	1.942	-.222	-1.405	2.773	-3.726	-3.643	5.115	.162	-.341	-2.133
BEX16	.435	.657	-.733	-.180	.195	1.218	-.124	.175	-1.425	.267	.015	-1.136	.162	2.574	.545	-1.876
BEX17	-1.389	.628	-.916	-.798	-1.900	.668	1.753	.508	-1.563	1.551	-2.077	.825	-.341	.545	6.155	-4.332
BEX18	-1.041	-2.227	1.774	2.465	-.343	-4.380	-.976	-.837	3.360	-4.888	2.935	2.235	-2.133	-1.876	-4.332	10.012

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.753
Bartlett's Test of Sphericity	Approx. Chi-Square	465.005
	df	120
	Sig.	.000

Anti-image Matrices

		BEX2	BEX3	BEX5	BEX6	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX16	BEX17	BEX18
Anti-image Covariance	BEX2	.284	-.035	-.060	.046	.123	.029	-.028	-.025	-.036	.026	-.005	-.091	.059	.048	-.064	-.030
	BEX3	-.035	.367	-.012	-.050	-.067	.055	-.007	.134	-.076	.015	.002	.004	-.047	.094	.037	-.082
	BEX5	-.060	-.012	.325	.036	-.100	-.098	-.047	-.052	.070	-.087	.039	.108	-.098	-.093	-.048	.058
	BEX6	.046	-.050	.036	.334	-.025	-.123	.003	-.012	.008	-.112	.025	.009	-.059	-.023	-.043	.082
	BEX7	.123	-.067	-.100	-.025	.243	.041	-.046	-.046	-.014	.044	.022	-.097	.081	.018	-.075	-.008
	BEX8	.029	.055	-.098	-.123	.041	.198	.030	.031	-.079	.086	-.067	-.070	.087	.094	.021	-.087
	BEX9	-.028	-.007	-.047	.003	-.046	.030	.161	.037	-.059	.010	-.102	-.038	.061	-.008	.046	-.016
	BEX10	-.025	.134	-.052	-.012	-.046	.031	.037	.341	-.063	-.029	-.045	-.027	-.015	.023	.028	-.029
	BEX11	-.036	-.076	.070	.008	-.014	-.079	-.059	-.063	.192	-.081	.080	.026	-.053	-.106	-.049	.064
	BEX12	.026	.015	-.087	-.112	.044	.086	.010	-.029	-.081	.152	-.048	-.039	.082	.016	.038	-.074
	BEX13	-.005	.002	.039	.025	.022	-.067	-.102	-.045	.080	-.048	.128	.027	-.093	.001	-.043	.038
	BEX14	-.091	.004	.108	.009	-.097	-.070	-.038	-.027	.026	-.039	.027	.132	-.094	-.058	.018	.029
	BEX15	.059	-.047	-.098	-.059	.081	.087	.061	-.015	-.053	.082	-.093	-.094	.196	.012	-.011	-.042
	BEX16	.048	.094	-.093	-.023	.018	.094	-.008	.023	-.106	.016	.001	-.058	.012	.389	.034	-.073
	BEX17	-.064	.037	-.048	-.043	-.075	.021	.046	.028	-.049	.038	-.043	.018	-.011	.034	.162	-.070
	BEX18	-.030	-.082	.058	.082	-.008	-.087	-.016	-.029	.064	-.074	.038	.029	-.042	-.073	-.070	.100
Anti-image Correlation	BEX2	.832[a]	-.108	-.196	.149	.467	.124	-.130	-.081	-.154	.126	-.028	-.470	.249	.144	-.299	-.175
	BEX3	-.108	.809[a]	-.035	-.142	-.226	.204	-.027	.379	-.285	.061	.008	.020	-.175	.248	.153	-.426
	BEX5	-.196	-.035	.733[a]	.109	-.355	-.388	-.208	-.155	.280	-.391	.189	.522	-.390	-.261	-.211	.320
	BEX6	.149	-.142	.109	.779[a]	-.087	-.479	.011	-.034	.032	-.496	.119	.042	-.232	-.065	-.186	.451
	BEX7	.467	-.226	-.355	-.087	.755[a]	.186	-.231	-.161	-.065	.229	.127	-.542	.372	.060	-.377	-.053
	BEX8	.124	.204	-.388	-.479	.186	.682[a]	.168	.118	-.405	.494	-.421	-.435	.441	.338	.120	-.616
	BEX9	-.130	-.027	-.208	.011	-.231	.168	.817[a]	.158	-.334	.062	-.712	-.260	.344	-.031	.283	-.124
	BEX10	-.081	.379	-.155	-.034	-.161	.118	.158	.907[a]	-.247	-.128	-.217	-.126	-.057	.064	.120	-.154
	BEX11	-.154	-.285	.280	.032	-.065	-.405	-.334	-.247	.733[a]	-.475	.511	.166	-.272	-.389	-.276	.465
	BEX12	.126	.061	-.391	-.496	.229	.494	.062	-.128	-.475	.725[a]	-.342	-.275	.478	.065	.244	-.602
	BEX13	-.028	.008	.189	.119	.127	-.421	-.712	-.217	.511	-.342	.674[a]	.209	-.590	.003	-.300	.332
	BEX14	-.470	.020	.522	.042	-.542	-.435	-.260	-.126	.166	-.275	.209	.753[a]	-.585	-.257	.121	.256
	BEX15	.249	-.175	-.390	-.232	.372	.441	.344	-.057	-.272	.478	-.590	-.585	.637[a]	.045	-.061	-.298
	BEX16	.144	.248	-.261	-.065	.060	.338	-.031	.064	-.389	.065	.003	-.257	.045	.819[a]	.137	-.370
	BEX17	-.299	.153	-.211	-.186	-.377	.120	.283	.120	-.276	.244	-.300	.121	-.061	.137	.824[a]	-.552
	BEX18	-.175	-.426	.320	.451	-.053	-.616	-.124	-.154	.465	-.602	.332	.256	-.298	-.370	-.552	.679[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
BEX2	1.000	.652
BEX3	1.000	.698
BEX5	1.000	.496
BEX6	1.000	.596
BEX7	1.000	.592
BEX8	1.000	.632
BEX9	1.000	.725
BEX10	1.000	.678
BEX11	1.000	.804
BEX12	1.000	.757
BEX13	1.000	.892
BEX14	1.000	.732
BEX15	1.000	.688
BEX16	1.000	.623
BEX17	1.000	.815
BEX18	1.000	.859

Extraction Method: Principal Component Analysis.

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	8.572	53.573	53.573	8.572	53.573	53.573
2	1.426	8.910	62.483	1.426	8.910	62.483
3	1.242	7.761	70.244	1.242	7.761	70.244
4	.774	4.836	75.080			
5	.733	4.582	79.662			
6	.620	3.873	83.535			
7	.586	3.662	87.197			
8	.483	3.018	90.215			
9	.392	2.449	92.664			
10	.332	2.073	94.737			
11	.249	1.556	96.293			
12	.222	1.388	97.681			

13	.168	1.049	98.730			
14	.092	.575	99.305			
15	.075	.470	99.775			
16	.036	.225	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix[a]

	Component		
	1	2	3
BEX2	.732	-.261	.219
BEX3	.610	-.029	.571
BEX5	.704	.000	.002
BEX6	.639	.278	-.333
BEX7	.701	.296	.114
BEX8	.764	-.218	-.026
BEX9	.805	-.032	-.275
BEX10	.752	.093	-.323
BEX11	.754	.483	.036
BEX12	.801	.338	-.041
BEX13	.687	-.506	-.404
BEX14	.836	-.008	-.184
BEX15	.657	-.475	-.176
BEX16	.634	.469	.030
BEX17	.794	-.244	.353
BEX18	.791	-.160	.455

Extraction Method: Principal Component Analysis.

a. 3 components extracted.

Reproduced Correlations

		BEX2	BEX3	BEX5	BEX6	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX16	BEX17	BEX18
Reproduced Correlation	BEX2	.652[a]	.579	.516	.322	.461	.611	.537	.455	.434	.489	.547	.574	.567	.348	.722	.721
	BEX3	.579	.698[a]	.430	.191	.484	.457	.335	.272	.466	.455	.203	.405	.314	.390	.693	.747
	BEX5	.516	.430	.496[a]	.449	.494	.538	.566	.529	.531	.564	.483	.588	.463	.446	.560	.558
	BEX6	.322	.191	.449	.596[a]	.492	.436	.597	.613	.604	.619	.432	.593	.346	.525	.322	.309
	BEX7	.461	.484	.494	.492	.592[a]	.468	.524	.518	.676	.657	.286	.563	.300	.587	.525	.559
	BEX8	.611	.457	.538	.436	.468	.632[a]	.629	.563	.470	.539	.646	.645	.610	.382	.651	.627
	BEX9	.537	.335	.566	.597	.524	.629	.725[a]	.691	.582	.645	.681	.724	.593	.487	.550	.517
	BEX10	.455	.272	.529	.613	.518	.563	.691	.678[a]	.600	.647	.600	.687	.507	.511	.461	.433
	BEX11	.434	.466	.531	.604	.676	.470	.582	.600	.804[a]	.766	.259	.620	.260	.706	.494	.536
	BEX12	.489	.455	.564	.619	.657	.539	.645	.647	.766	.757[a]	.396	.674	.373	.665	.540	.561
	BEX13	.547	.203	.483	.432	.286	.646	.681	.600	.259	.396	.892[a]	.652	.763	.186	.526	.440
	BEX14	.574	.405	.588	.593	.563	.645	.724	.687	.620	.674	.652	.732[a]	.585	.521	.601	.579
	BEX15	.567	.314	.463	.346	.300	.610	.593	.507	.260	.373	.763	.585	.688[a]	.189	.576	.516
	BEX16	.348	.390	.446	.525	.587	.382	.487	.511	.706	.665	.186	.521	.189	.623[a]	.400	.440
	BEX17	.722	.693	.560	.322	.525	.651	.550	.461	.494	.540	.526	.601	.576	.400	.815[a]	.828
	BEX18	.721	.747	.558	.309	.559	.627	.517	.433	.536	.561	.440	.579	.516	.440	.828	.859[a]
Residual[b]	BEX2		-.090	-.084	-.080	-.111	-.053	.043	.039	.055	.018	-.040	.069	-.095	.026	-.056	-.039
	BEX3	-.090		-.073	.105	.005	-.057	.058	-.063	.021	-.012	.045	.036	.085	-.077	-.121	-.089
	BEX5	-.084	-.073		-.018	.034	-.015	-.036	.009	-.088	.014	-.003	-.196	-.026	-.010	.050	-.029
	BEX6	-.080	.105	-.018		-.034	.122	-.123	-.119	-.019	-.002	-.035	-.056	.028	-.151	.053	-.013
	BEX7	-.111	.005	.034	-.034		-.010	.057	-.023	-.091	-.150	.001	.080	-.023	-.115	.044	-.071
	BEX8	-.053	-.057	-.015	.122	-.010		-.054	-.062	.019	-.038	-.044	-.011	-.141	-.091	-.003	.038
	BEX9	.043	.058	-.036	-.123	.057	-.054		-.099	-.001	-.010	.063	.018	-.113	-.007	-.070	-.030
	BEX10	.039	-.063	.009	-.119	-.023	-.062	-.099		-.016	.014	-.046	-.046	-.014	-.017	.033	.057
	BEX11	.055	.021	-.088	-.019	-.091	.019	-.001	-.016		-.030	-.011	.009	.053	-.047	-.008	-.049
	BEX12	.018	-.012	.014	-.002	-.150	-.038	-.010	.014	-.030		.047	-.081	-.052	-.047	-.021	.077
	BEX13	-.040	.045	-.003	-.035	.001	-.044	.063	-.046	-.011	.047		-.059	-.047	.036	-.008	.003
	BEX14	.069	.036	-.196	-.056	.080	-.011	.018	-.046	.009	-.081	-.059		.043	.013	-.067	-.044
	BEX15	-.095	.085	-.026	.028	-.023	-.141	-.113	-.014	.053	-.052	-.047	.043		.111	-.013	-.030
	BEX16	.026	-.077	-.010	-.151	-.115	-.091	-.007	-.017	-.047	-.047	.036	.013	.111		-.012	.045
	BEX17	-.056	-.121	.050	.053	.044	-.003	-.070	.033	-.008	-.021	-.008	-.067	-.013	-.012		.003
	BEX18	-.039	-.089	-.029	-.013	-.071	.038	-.030	.057	-.049	.077	.003	-.044	-.030	.045	.003	

Extraction Method: Principal Component Analysis.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 49 (40.0%) nonredundant residuals with absolute values greater than 0.05.

```
FACTOR
  /VARIABLES BEX2 BEX3 BEX6 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14
BEX15 BEX16 BEX17 BEX18
  /MISSING LISTWISE
  /ANALYSIS BEX2 BEX3 BEX6 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14
BEX15 BEX16 BEX17 BEX18
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:27:23
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES BEX2 BEX3 BEX6 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14 BEX15 BEX16 BEX17 BEX18 /MISSING LISTWISE /ANALYSIS BEX2 BEX3 BEX6 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14 BEX15 BEX16 BEX17 BEX18 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.

Resources	Processor Time	00:00:00.14
	Elapsed Time	00:00:00.48
	Maximum Memory Required	28528 (27.859K) bytes

Correlation Matrix[a]

		BEX2	BEX3	BEX6	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX16	BEX17	BEX18
Correlation	BEX2	1.000	.489	.242	.350	.558	.580	.495	.489	.507	.507	.642	.472	.374	.666	.681
	BEX3	.489	1.000	.296	.489	.401	.392	.209	.487	.443	.248	.441	.399	.313	.572	.658
	BEX6	.242	.296	1.000	.458	.558	.474	.495	.585	.617	.397	.537	.374	.374	.374	.296
	BEX7	.350	.489	.458	1.000	.459	.580	.495	.585	.507	.287	.642	.277	.472	.569	.489
	BEX8	.558	.401	.558	.459	1.000	.575	.501	.489	.501	.602	.634	.469	.291	.648	.665
	BEX9	.580	.392	.474	.580	.575	1.000	.592	.581	.636	.744	.742	.480	.480	.480	.487
	BEX10	.495	.209	.495	.495	.501	.592	1.000	.584	.661	.554	.641	.493	.493	.493	.490
	BEX11	.489	.487	.585	.585	.489	.581	.584	1.000	.736	.248	.629	.313	.659	.486	.487
	BEX12	.507	.443	.617	.507	.501	.636	.661	.736	1.000	.443	.594	.321	.618	.519	.638
	BEX13	.507	.248	.397	.287	.602	.744	.554	.248	.443	1.000	.594	.716	.223	.519	.443
	BEX14	.642	.441	.537	.642	.634	.742	.641	.629	.594	.594	1.000	.628	.533	.533	.535
	BEX15	.472	.399	.374	.277	.469	.480	.493	.313	.321	.716	.628	1.000	.300	.563	.486
	BEX16	.374	.313	.374	.472	.291	.480	.493	.659	.618	.223	.533	.300	1.000	.388	.486
	BEX17	.666	.572	.374	.569	.648	.480	.493	.486	.519	.519	.533	.563	.388	1.000	.832
	BEX18	.681	.658	.296	.489	.665	.487	.490	.487	.638	.443	.535	.486	.486	.832	1.000
Sig. (1-tailed)	BEX2		.001	.069	.014	.000	.000	.001	.001	.000	.000	.000	.001	.009	.000	.000
	BEX3	.001		.034	.001	.006	.007	.101	.001	.002	.064	.002	.006	.026	.000	.000
	BEX6	.069	.034		.002	.000	.001	.001	.000	.000	.006	.000	.009	.009	.009	.034
	BEX7	.014	.001	.002		.002	.000	.001	.000	.000	.038	.000	.044	.001	.000	.001
	BEX8	.000	.006	.000	.002		.000	.001	.001	.001	.000	.000	.001	.036	.000	.000
	BEX9	.000	.007	.001	.000	.000		.000	.000	.000	.000	.000	.001	.001	.001	.001
	BEX10	.001	.101	.001	.001	.001	.000		.000	.000	.000	.000	.001	.001	.001	.001
	BEX11	.001	.001	.000	.000	.001	.000	.000		.000	.064	.000	.026	.000	.001	.001
	BEX12	.000	.002	.000	.000	.001	.000	.000	.000		.002	.000	.023	.000	.000	.000
	BEX13	.000	.064	.006	.038	.000	.000	.000	.064	.002		.000	.000	.086	.000	.002
	BEX14	.000	.002	.000	.000	.000	.000	.000	.000	.000	.000		.000	.000	.000	.000
	BEX15	.001	.006	.009	.044	.001	.001	.001	.026	.023	.000	.000		.032	.000	.001
	BEX16	.009	.026	.009	.001	.036	.001	.001	.000	.000	.086	.000	.032		.007	.001
	BEX17	.000	.000	.009	.000	.000	.001	.001	.001	.000	.000	.000	.000	.007		.000
	BEX18	.000	.000	.034	.001	.000	.001	.001	.001	.000	.002	.000	.001	.001	.000	

a. Determinant = 1.39E-006

Inverse of Correlation Matrix

	BEX2	BEX3	BEX6	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX16	BEX17	BEX18
BEX2	3.383	-.356	.552	1.513	.201	-.799	-.358	-.423	.236	.049	-1.903	.734	.281	-1.581	-.670
BEX3	-.356	2.725	-.395	-.799	.705	-.141	1.055	-1.038	.203	.067	.172	-.704	.633	.598	-2.169
BEX6	.552	-.395	2.955	-.170	-1.698	.145	-.051	.007	-2.010	.476	-.072	-.742	-.101	-.699	2.274
BEX7	1.513	-.799	-.170	3.599	.218	-1.541	-.752	.160	.470	1.098	-1.993	1.070	-.107	-2.277	.387
BEX8	.201	.705	-1.698	.218	4.291	.493	.224	-1.519	1.975	-2.186	-1.442	1.473	.853	.212	-3.498
BEX9	-.799	-.141	.145	-1.541	.493	5.956	.537	-1.571	-.124	-4.690	-1.042	1.484	-.340	1.483	-.452
BEX10	-.358	1.055	-.051	-.752	.224	.537	2.861	-.797	-.829	-.898	-.214	-.457	.065	.370	-.568
BEX11	-.423	-1.038	.007	.160	-1.519	-1.571	-.797	4.810	-2.142	2.925	.124	-.839	-1.157	-1.229	2.712
BEX12	.236	.203	-2.010	.470	1.975	-.124	-.829	-2.142	5.579	-1.922	-.500	1.887	-.152	1.027	-3.872
BEX13	.049	.067	.476	1.098	-2.186	-4.690	-.898	2.925	-1.922	7.529	.851	-3.261	.235	-1.801	2.402
BEX14	-1.903	.172	-.072	-1.993	-1.442	-1.042	-.214	.124	-.500	.851	5.522	-2.373	-.535	1.577	.779
BEX15	.734	-.704	-.742	1.070	1.473	1.484	-.457	-.839	1.887	-3.261	-2.373	4.336	-.207	-.802	-1.239
BEX16	.281	.633	-.101	-.107	.853	-.340	.065	-1.157	-.152	.235	-.535	-.207	2.399	.327	-1.453
BEX17	-1.581	.598	-.699	-2.277	.212	1.483	.370	-1.229	1.027	-1.801	1.577	-.802	.327	5.882	-3.804
BEX18	-.670	-2.169	2.274	.387	-3.498	-.452	-.568	2.712	-3.872	2.402	.779	-1.239	-1.453	-3.804	8.988

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.790
Bartlett's Test of Sphericity	Approx. Chi-Square	433.751
	df	105
	Sig.	.000

Anti-image Matrices

		BEX2	BEX3	BEX6	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX16	BEX17	BEX18
Anti-image Covariance	BEX2	.296	-.039	.055	.124	.014	-.040	-.037	-.026	.013	.002	-.102	.050	.035	-.079	-.022
	BEX3	-.039	.367	-.049	-.081	.060	-.009	.135	-.079	.013	.003	.011	-.060	.097	.037	-.089
	BEX6	.055	-.049	.338	-.016	-.134	.008	-.006	.000	-.122	.021	-.004	-.058	-.014	-.040	.086
	BEX7	.124	-.081	-.016	.278	.014	-.072	-.073	.009	.023	.041	-.100	.069	-.012	-.108	.012
	BEX8	.014	.060	-.134	.014	.233	.019	.018	-.074	.082	-.068	-.061	.079	.083	.008	-.091
	BEX9	-.040	-.009	.008	-.072	.019	.168	.032	-.055	-.004	-.105	-.032	.057	-.024	.042	-.008
	BEX10	-.037	.135	-.006	-.073	.018	.032	.350	-.058	-.052	-.042	-.014	-.037	.009	.022	-.022
	BEX11	-.026	-.079	.000	.009	-.074	-.055	-.058	.208	-.080	.081	.005	-.040	-.100	-.043	.063
	BEX12	.013	.013	-.122	.023	.082	-.004	-.052	-.080	.179	-.046	-.016	.078	-.011	.031	-.077
	BEX13	.002	.003	.021	.041	-.068	-.105	-.042	.081	-.046	.133	.020	-.100	.013	-.041	.035
	BEX14	-.102	.011	-.004	-.100	-.061	-.032	-.014	.005	-.016	.020	.181	-.099	-.040	.049	.016
	BEX15	.050	-.060	-.058	.069	.079	.057	-.037	-.040	.078	-.100	-.099	.231	-.020	-.031	-.032
	BEX16	.035	.097	-.014	-.012	.083	-.024	.009	-.100	-.011	.013	-.040	-.020	.417	.023	-.067
	BEX17	-.079	.037	-.040	-.108	.008	.042	.022	-.043	.031	-.041	.049	-.031	.023	.170	-.072
	BEX18	-.022	-.089	.086	.012	-.091	-.008	-.022	.063	-.077	.035	.016	-.032	-.067	-.072	.111
Anti-image Correlation	BEX2	.848[a]	-.117	.175	.434	.053	-.178	-.115	-.105	.054	.010	-.440	.192	.099	-.354	-.122
	BEX3	-.117	.792[a]	-.139	-.255	.206	-.035	.378	-.287	.052	.015	.044	-.205	.248	.149	-.438
	BEX6	.175	-.139	.778[a]	-.052	-.477	.035	-.017	.002	-.495	.101	-.018	-.207	-.038	-.168	.441
	BEX7	.434	-.255	-.052	.767[a]	.056	-.333	-.234	.038	.105	.211	-.447	.271	-.036	-.495	.068
	BEX8	.053	.206	-.477	.056	.754[a]	.097	.064	-.334	.404	-.385	-.296	.342	.266	.042	-.563
	BEX9	-.178	-.035	.035	-.333	.097	.827[a]	.130	-.294	-.022	-.700	-.182	.292	-.090	.251	-.062

Communalities

	Initial	Extraction
BEX2	1.000	.661
BEX3	1.000	.705
BEX6	1.000	.596
BEX7	1.000	.586
BEX8	1.000	.632
BEX9	1.000	.728
BEX10	1.000	.674
BEX11	1.000	.813
BEX12	1.000	.753
BEX13	1.000	.890
BEX14	1.000	.759
BEX15	1.000	.690
BEX16	1.000	.622
BEX17	1.000	.805
BEX18	1.000	.860

Extraction Method: Principal Component Analysis.

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	8.107	54.048	54.048	8.107	54.048	54.048
2	1.426	9.504	63.552	1.426	9.504	63.552
3	1.242	8.279	71.831	1.242	8.279	71.831
4	.762	5.082	76.914			
5	.649	4.324	81.238			
6	.587	3.911	85.149			
7	.519	3.459	88.608			
8	.426	2.841	91.449			
9	.392	2.611	94.060			
10	.261	1.740	95.800			
11	.234	1.557	97.358			
12	.173	1.151	98.509			

13	.092	.615	99.124			
14	.084	.561	99.685			
15	.047	.315	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix[a]

	Component		
	1	2	3
BEX2	.738	-.261	.219
BEX3	.615	-.029	.571
BEX6	.639	.278	-.333
BEX7	.697	.296	.114
BEX8	.764	-.218	-.026
BEX9	.807	-.032	-.275
BEX10	.749	.093	-.323
BEX11	.761	.483	.036
BEX12	.798	.338	-.041
BEX13	.686	-.506	-.404
BEX14	.852	-.008	-.183
BEX15	.659	-.475	-.176
BEX16	.634	.469	.030
BEX17	.788	-.244	.353
BEX18	.792	-.160	.456

Extraction Method: Principal Component Analysis.

a. 3 components extracted.

Reproduced Correlations

		BEX2	BEX3	BEX6	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX16	BEX17	BEX18
Reproduced Correlation	BEX2	.661[a]	.587	.326	.462	.615	.544	.458	.443	.492	.550	.591	.572	.352	.723	.726
	BEX3	.587	.705[a]	.195	.485	.461	.340	.274	.474	.458	.206	.420	.318	.393	.693	.752
	BEX6	.326	.195	.596[a]	.489	.436	.598	.612	.608	.617	.432	.603	.347	.525	.318	.310
	BEX7	.462	.485	.489	.586[a]	.465	.521	.513	.677	.651	.282	.570	.298	.584	.517	.556
	BEX8	.615	.461	.436	.465	.632[a]	.630	.560	.475	.537	.645	.657	.611	.381	.646	.628
	BEX9	.544	.340	.598	.521	.630	.728[a]	.690	.588	.644	.681	.738	.595	.488	.546	.519
	BEX10	.458	.274	.612	.513	.560	.690	.674[a]	.603	.642	.597	.697	.506	.509	.454	.432
	BEX11	.443	.474	.608	.677	.475	.588	.603	.813[a]	.769	.262	.638	.265	.710	.494	.541
	BEX12	.492	.458	.617	.651	.537	.644	.642	.769	.753[a]	.393	.685	.372	.663	.532	.559
	BEX13	.550	.206	.432	.282	.645	.681	.597	.262	.393	.890[a]	.662	.763	.185	.521	.440
	BEX14	.591	.420	.603	.570	.657	.738	.697	.638	.685	.662	.759[a]	.597	.531	.608	.592
	BEX15	.572	.318	.347	.298	.611	.595	.506	.265	.372	.763	.597	.690[a]	.190	.572	.517
	BEX16	.352	.393	.525	.584	.381	.488	.509	.710	.663	.185	.531	.190	.622[a]	.396	.441
	BEX17	.723	.693	.318	.517	.646	.546	.454	.494	.532	.521	.608	.572	.396	.805[a]	.824
	BEX18	.726	.752	.310	.556	.628	.519	.432	.541	.559	.440	.592	.517	.441	.824	.860[a]
Residual[b]	BEX2		-.098	-.084	-.112	-.057	.037	.036	.046	.015	-.043	.052	-.100	.022	-.056	-.045
	BEX3	-.098		.101	.004	-.061	.052	-.065	.012	-.015	.042	.021	.081	-.081	-.121	-.094
	BEX6	-.084	.101		-.031	.122	-.124	-.117	-.023	.000	-.035	-.066	.027	-.151	.057	-.013
	BEX7	-.112	.004	-.031		-.006	.059	-.018	-.092	-.144	.005	.072	-.021	-.112	.052	-.068
	BEX8	-.057	-.061	.122	-.006		-.056	-.060	.014	-.036	-.043	-.023	-.142	-.090	.002	.038
	BEX9	.037	.052	-.124	.059	-.056		-.099	-.007	-.009	.063	.004	-.115	-.008	-.066	-.032
	BEX10	.036	-.065	-.117	-.018	-.060	-.099		-.019	.018	-.043	-.056	-.013	-.016	.039	.059
	BEX11	.046	.012	-.023	-.092	.014	-.007	-.019		-.033	-.015	-.009	.048	-.051	-.009	-.055
	BEX12	.015	-.015	.000	-.144	-.036	-.009	.018	-.033		.050	-.091	-.051	-.045	-.013	.079
	BEX13	-.043	.042	-.035	.005	-.043	.063	-.043	-.015	.050		-.068	-.047	.037	-.002	.003
	BEX14	.052	.021	-.066	.072	-.023	.004	-.056	-.009	-.091	-.068		.032	.003	-.075	-.057
	BEX15	-.100	.081	.027	-.021	-.142	-.115	-.013	.048	-.051	-.047	.032		.111	-.010	-.032
	BEX16	.022	-.081	-.151	-.112	-.090	-.008	-.016	-.051	-.045	.037	.003	.111		-.008	.045
	BEX17	-.056	-.121	.057	.052	.002	-.066	.039	-.009	-.013	-.002	-.075	-.010	-.008		.008
	BEX18	-.045	-.094	-.013	-.068	.038	-.032	.059	-.055	.079	.003	-.057	-.032	.045	.008	

Extraction Method: Principal Component Analysis.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 48 (45.0%) nonredundant residuals with absolute values greater than 0.05.

```
FACTOR
  /VARIABLES BEX2 BEX3 BEX6 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14
BEX15 BEX17 BEX18
  /MISSING LISTWISE
  /ANALYSIS BEX2 BEX3 BEX6 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14
BEX15 BEX17 BEX18
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created	26-AUG-2022 17:29:17

Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES BEX2 BEX3 BEX6 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14 BEX15 BEX17 BEX18 /MISSING LISTWISE /ANALYSIS BEX2 BEX3 BEX6 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14 BEX15 BEX17 BEX18 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.05
	Elapsed Time	00:00:00.17
	Maximum Memory Required	25128 (24.539K) bytes

Correlation Matrix[a]

		BEX2	BEX3	BEX6	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX17	BEX18
Correlation	BEX2	1.000	.489	.242	.350	.558	.580	.495	.489	.507	.507	.642	.472	.666	.681
	BEX3	.489	1.000	.296	.489	.401	.392	.209	.487	.443	.248	.441	.399	.572	.658
	BEX6	.242	.296	1.000	.458	.558	.474	.495	.585	.617	.397	.537	.374	.374	.296
	BEX7	.350	.489	.458	1.000	.459	.580	.495	.585	.507	.287	.642	.277	.569	.489
	BEX8	.558	.401	.558	.459	1.000	.575	.501	.489	.501	.602	.634	.469	.648	.665
	BEX9	.580	.392	.474	.580	.575	1.000	.592	.581	.636	.744	.742	.480	.480	.487
	BEX10	.495	.209	.495	.495	.501	.592	1.000	.584	.661	.554	.641	.493	.493	.490
	BEX11	.489	.487	.585	.585	.489	.581	.584	1.000	.736	.248	.629	.313	.486	.487
	BEX12	.507	.443	.617	.507	.501	.636	.661	.736	1.000	.443	.594	.321	.519	.638
	BEX13	.507	.248	.397	.287	.602	.744	.554	.248	.443	1.000	.594	.716	.519	.443
	BEX14	.642	.441	.537	.642	.634	.742	.641	.629	.594	.594	1.000	.628	.533	.535
	BEX15	.472	.399	.374	.277	.469	.480	.493	.313	.321	.716	.628	1.000	.563	.486
	BEX17	.666	.572	.374	.569	.648	.480	.493	.486	.519	.519	.533	.563	1.000	.832
	BEX18	.681	.658	.296	.489	.665	.487	.490	.487	.638	.443	.535	.486	.832	1.000
Sig. (1-tailed)	BEX2		.001	.069	.014	.000	.000	.001	.001	.000	.000	.000	.001	.000	.000
	BEX3	.001		.034	.001	.006	.007	.101	.001	.002	.064	.002	.006	.000	.000
	BEX6	.069	.034		.002	.000	.001	.001	.000	.000	.006	.000	.009	.009	.034
	BEX7	.014	.001	.002		.002	.000	.001	.000	.000	.038	.000	.044	.000	.001
	BEX8	.000	.006	.000	.002		.000	.001	.001	.001	.000	.000	.001	.000	.000
	BEX9	.000	.007	.001	.000	.000		.000	.000	.000	.000	.000	.001	.001	.001
	BEX11	.057	-.010	-.068	-.113	-.028	-.004	-.006		-.022	-.021	-.001	.067	-.016	-.040
	BEX12	.023	-.032	-.033	-.160	-.069	-.007	.028	-.022		.043	-.085	-.037	-.020	.090
	BEX13	-.054	.057	.000	.022	-.013	.060	-.054	-.021	.043		-.073	-.061	.003	-.006
	BEX14	.051	.018	-.070	.072	-.031	.005	-.053	-.001	-.085	-.073		.033	-.077	-.054
	BEX15	-.115	.102	.077	.013	-.115	-.113	-.015	.067	-.037	-.061	.033		-.007	-.039
	BEX17	-.058	-.120	.059	.051	.009	-.068	.034	-.016	-.020	.003	-.077	-.007		.007
	BEX18	-.049	-.090	-.003	-.057	.038	-.030	.062	-.040	.090	-.006	-.054	-.039	.007	

Extraction Method: Principal Component Analysis.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 48 (52.0%) nonredundant residuals with absolute values greater than 0.05.

Inverse of Correlation Matrix

	BEX2	BEX3	BEX6	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX17	BEX18
BEX2	3.350	-.430	.564	1.525	.101	-.759	-.366	-.288	.254	.021	-1.840	.758	-1.619	-.500
BEX3	-.430	2.558	-.369	-.770	.480	-.051	1.038	-.733	.243	.004	.313	-.649	.512	-1.786
BEX6	.564	-.369	2.951	-.175	-1.662	.131	-.048	-.042	-2.016	.486	-.095	-.750	-.685	2.213
BEX7	1.525	-.770	-.175	3.594	.256	-1.556	-.749	.108	.463	1.109	-2.017	1.061	-2.262	.322
BEX8	.101	.480	-1.662	.256	3.987	.614	.201	-1.107	2.029	-2.270	-1.251	1.547	.096	-2.981
BEX9	-.759	-.051	.131	-1.556	.614	5.908	.547	-1.736	-.146	-4.657	-1.118	1.455	1.529	-.658
BEX10	-.366	1.038	-.048	-.749	.201	.547	2.859	-.765	-.825	-.905	-.200	-.451	.361	-.529
BEX11	-.288	-.733	-.042	.108	-1.107	-1.736	-.765	4.252	-2.215	3.039	-.134	-.940	-1.071	2.011
BEX12	.254	.243	-2.016	.463	2.029	-.146	-.825	-2.215	5.570	-1.908	-.534	1.874	1.048	-3.965
BEX13	.021	.004	.486	1.109	-2.270	-4.657	-.905	3.039	-1.908	7.506	.904	-3.240	-1.834	2.544
BEX14	-1.840	.313	-.095	-2.017	-1.251	-1.118	-.200	-.134	-.534	.904	5.403	-2.419	1.650	.456
BEX15	.758	-.649	-.750	1.061	1.547	1.455	-.451	-.940	1.874	-3.240	-2.419	4.318	-.774	-1.365
BEX17	-1.619	.512	-.685	-2.262	.096	1.529	.361	-1.071	1.048	-1.834	1.650	-.774	5.838	-3.606
BEX18	-.500	-1.786	2.213	.322	-2.981	-.658	-.529	2.011	-3.965	2.544	.456	-1.365	-3.606	8.108

	BEX11	-.076	-.222	-.012	.028	-.269	-.346	-.220	.784[a]	-.455	.538	-.028	-.21
	BEX12	.059	.064	-.497	.104	.430	-.025	-.207	-.455	.754[a]	-.295	-.097	.38
	BEX13	.004	.001	.103	.213	-.415	-.699	-.195	.538	-.295	.670[a]	.142	-.56
	BEX14	-.433	.084	-.024	-.458	-.270	-.198	-.051	-.028	-.097	.142	.842[a]	-.50
	BEX15	.199	-.195	-.210	.269	.373	.288	-.128	-.219	.382	-.569	-.501	.698
	BEX17	-.366	.133	-.165	-.494	.020	.260	.088	-.215	.184	-.277	.294	-.15
	BEX18	-.096	-.392	.452	.060	-.524	-.095	-.110	.342	-.590	.326	.069	-.23

a. Measures of Sampling Adequacy (MSA)

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.779
Bartlett's Test of Sphericity	Approx. Chi-Square	409.810
	df	91
	Sig.	.000

Anti-image Matrices

		BEX2	BEX3	BEX6	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX17	BEX18
Anti-image Covariance	BEX2	.299	-.050	.057	.127	.008	-.038	-.038	-.020	.014	.001	-.102	.052	-.083	-.018
	BEX3	-.050	.391	-.049	-.084	.047	-.003	.142	-.067	.017	.000	.023	-.059	.034	-.086
	BEX6	.057	-.049	.339	-.016	-.141	.007	-.006	-.003	-.123	.022	-.006	-.059	-.040	.093
	BEX7	.127	-.084	-.016	.278	.018	-.073	-.073	.007	.023	.041	-.104	.068	-.108	.011
	BEX8	.008	.047	-.141	.018	.251	.026	.018	-.065	.091	-.076	-.058	.090	.004	-.092
	BEX9	-.038	-.003	.007	-.073	.026	.169	.032	-.069	-.004	-.105	-.035	.057	.044	-.014
	BEX10	-.038	.142	-.006	-.073	.018	.032	.350	-.063	-.052	-.042	-.013	-.037	.022	-.023
	BEX11	-.020	-.067	-.003	.007	-.065	-.069	-.063	.235	-.094	.095	-.006	-.051	-.043	.058
	BEX12	.014	.017	-.123	.023	.091	-.004	-.052	-.094	.180	-.046	-.018	.078	.032	-.088
	BEX13	.001	.000	.022	.041	-.076	-.105	-.042	.095	-.046	.133	.022	-.100	-.042	.042
	BEX14	-.102	.023	-.006	-.104	-.058	-.035	-.013	-.006	-.018	.022	.185	-.104	.052	.010
	BEX15	.052	-.059	-.059	.068	.090	.057	-.037	-.051	.078	-.100	-.104	.232	-.031	-.039
	BEX17	-.083	.034	-.040	-.108	.004	.044	.022	-.043	.032	-.042	.052	-.031	.171	-.076
	BEX18	-.018	-.086	.093	.011	-.092	-.014	-.023	.058	-.088	.042	.010	-.039	-.076	.123
Anti-image Correlation	BEX2	.843[a]	-.147	.179	.440	.028	-.171	-.118	-.076	.059	.004	-.433	.199	-.366	-.096
	BEX3	-.147	.823[a]	-.134	-.254	.150	-.013	.384	-.222	.064	.001	.084	-.195	.133	-.392
	BEX6	.179	-.134	.764[a]	-.054	-.485	.031	-.017	-.012	-.497	.103	-.024	-.210	-.165	.452
	BEX7	.440	-.254	-.054	.752[a]	.068	-.338	-.234	.028	.104	.213	-.458	.269	-.494	.060
	BEX8	.028	.150	-.485	.068	.765[a]	.126	.059	-.269	.430	-.415	-.270	.373	.020	-.524
	BEX9	-.171	-.013	.031	-.338	.126	.813[a]	.133	-.346	-.025	-.699	-.198	.288	.260	-.095
	BEX10	-.118	.384	-.017	-.234	.059	.133	.899[a]	-.220	-.207	-.195	-.051	-.128	.088	-.110

Communalities

	Initial	Extraction
BEX2	1.000	.671
BEX3	1.000	.716
BEX6	1.000	.660
BEX7	1.000	.624

BEX8	1.000	.623
BEX9	1.000	.728
BEX10	1.000	.670
BEX11	1.000	.800
BEX12	1.000	.744
BEX13	1.000	.888
BEX14	1.000	.757
BEX15	1.000	.719
BEX17	1.000	.803
BEX18	1.000	.859

Extraction Method: Principal Component Analysis.

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	7.738	55.271	55.271	7.738	55.271	55.271
2	1.282	9.157	64.428	1.282	9.157	64.428
3	1.239	8.853	73.281	1.239	8.853	73.281
4	.676	4.831	78.113			
5	.646	4.614	82.726			
6	.546	3.899	86.625			
7	.505	3.608	90.233			
8	.426	3.043	93.277			
9	.261	1.865	95.142			
10	.238	1.699	96.841			
11	.211	1.508	98.349			
12	.098	.700	99.049			
13	.084	.601	99.651			
14	.049	.349	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix[a]

	Component		
	1	2	3
BEX2	.745	-.300	.159
BEX3	.620	-.090	.569
BEX6	.639	.442	-.237
BEX7	.691	.330	.192
BEX8	.779	-.114	-.044
BEX9	.808	.050	-.269
BEX10	.745	.163	-.295
BEX11	.742	.479	.141
BEX12	.785	.355	.035
BEX13	.704	-.384	-.494
BEX14	.850	.050	-.176
BEX15	.669	-.441	-.276
BEX17	.796	-.275	.305
BEX18	.792	-.247	.413

Extraction Method: Principal Component Analysis.

a. 3 components extracted.

Reproduced Correlations

		BEX2	BEX3	BEX6	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX17	BEX18
Reproduced Correlation	BEX2	.671[a]	.580	.306	.447	.608	.544	.460	.432	.485	.562	.591	.587	.724	.730
	BEX3	.580	.716[a]	.221	.509	.469	.343	.280	.497	.475	.190	.423	.297	.692	.748
	BEX6	.306	.221	.660[a]	.542	.458	.602	.619	.653	.650	.398	.607	.298	.315	.299
	BEX7	.447	.509	.542	.624[a]	.493	.523	.513	.698	.667	.265	.571	.264	.518	.545
	BEX8	.608	.469	.458	.493	.623[a]	.636	.575	.517	.570	.615	.665	.584	.639	.628
	BEX9	.544	.343	.602	.523	.636	.728[a]	.690	.585	.643	.683	.737	.593	.548	.516
	BEX10	.460	.280	.619	.513	.575	.690	.670[a]	.590	.633	.608	.694	.508	.459	.428
	BEX11	.432	.497	.653	.698	.517	.585	.590	.800[a]	.758	.269	.630	.246	.502	.527
	BEX12	.485	.475	.650	.667	.570	.643	.633	.758	.744[a]	.399	.679	.359	.539	.549
	BEX13	.562	.190	.398	.265	.615	.683	.608	.269	.399	.888[a]	.667	.777	.516	.449
	BEX14	.591	.423	.607	.571	.665	.737	.694	.630	.679	.667	.757[a]	.596	.610	.589
	BEX15	.587	.297	.298	.264	.584	.593	.508	.246	.359	.777	.596	.719[a]	.570	.525
	BEX17	.724	.692	.315	.518	.639	.548	.459	.502	.539	.516	.610	.570	.803[a]	.825
	BEX18	.730	.748	.299	.545	.628	.516	.428	.527	.549	.449	.589	.525	.825	.859[a]
Residual[b]	BEX2		-.091	-.064	-.097	-.050	.036	.035	.057	.023	-.054	.051	-.115	-.058	-.049
	BEX3	-.091		.075	-.020	-.068	.049	-.071	-.010	-.032	.057	.018	.102	-.120	-.090
	BEX6	-.064	.075		-.084	.100	-.128	-.124	-.068	-.033	.000	-.070	.077	.059	-.003
	BEX7	-.097	-.020	-.084		-.034	.057	-.018	-.113	-.160	.022	.072	.013	.051	-.057
	BEX8	-.050	-.068	.100	-.034		-.061	-.074	-.028	-.069	-.013	-.031	-.115	.009	.038
	BEX9	.036	.049	-.128	.057	-.061		-.098	-.004	-.007	.060	.005	-.113	-.068	-.030
	BEX10	.035	-.071	-.124	-.018	-.074	-.098		-.006	.028	-.054	-.053	-.015	.034	.062

```
FACTOR
  /VARIABLES BEX2 BEX3 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14 BEX15
BEX17 BEX18
  /MISSING LISTWISE
  /ANALYSIS BEX2 BEX3 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14 BEX15
BEX17 BEX18
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:30:09
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.

Syntax		FACTOR /VARIABLES BEX2 BEX3 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14 BEX15 BEX17 BEX18 /MISSING LISTWISE /ANALYSIS BEX2 BEX3 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14 BEX15 BEX17 BEX18 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.09
	Elapsed Time	00:00:00.42
	Maximum Memory Required	21944 (21.430K) bytes

Correlation Matrix[a]

		BEX2	BEX3	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX17	BEX18
Correlation	BEX2	1.000	.489	.350	.558	.580	.495	.489	.507	.507	.642	.472	.666	.681
	BEX3	.489	1.000	.489	.401	.392	.209	.487	.443	.248	.441	.399	.572	.658
	BEX7	.350	.489	1.000	.459	.580	.495	.585	.507	.287	.642	.277	.569	.489
	BEX8	.558	.401	.459	1.000	.575	.501	.489	.501	.602	.634	.469	.648	.665
	BEX9	.580	.392	.580	.575	1.000	.592	.581	.636	.744	.742	.480	.480	.487
	BEX10	.495	.209	.495	.501	.592	1.000	.584	.661	.554	.641	.493	.493	.490
	BEX11	.489	.487	.585	.489	.581	.584	1.000	.736	.248	.629	.313	.486	.487
	BEX12	.507	.443	.507	.501	.636	.661	.736	1.000	.443	.594	.321	.519	.638
	BEX13	.507	.248	.287	.602	.744	.554	.248	.443	1.000	.594	.716	.519	.443
	BEX14	.642	.441	.642	.634	.742	.641	.629	.594	.594	1.000	.628	.533	.535
	BEX15	.472	.399	.277	.469	.480	.493	.313	.321	.716	.628	1.000	.563	.486
	BEX17	.666	.572	.569	.648	.480	.493	.486	.519	.519	.533	.563	1.000	.832
	BEX18	.681	.658	.489	.665	.487	.490	.487	.638	.443	.535	.486	.832	1.000
Sig. (1-tailed)	BEX2		.001	.014	.000	.000	.001	.001	.000	.000	.000	.001	.000	.000
	BEX3	.001		.001	.006	.007	.101	.001	.002	.064	.002	.006	.000	.000
	BEX7	.014	.001		.002	.000	.001	.000	.000	.038	.000	.044	.000	.001
	BEX8	.000	.006	.002		.000	.001	.001	.001	.000	.000	.001	.000	.000
	BEX9	.000	.007	.000	.000		.000	.000	.000	.000	.000	.001	.001	.001
	BEX10	.001	.101	.001	.001	.000		.000	.000	.000	.000	.001	.001	.001
	BEX11	.001	.001	.000	.001	.000	.000		.000	.064	.000	.026	.001	.001

Inverse of Correlation Matrix

	BEX2	BEX3	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX17	BEX18
BEX2	3.242	-.360	1.559	.419	-.784	-.356	-.280	.640	-.071	-1.822	.901	-1.488	-.923
BEX3	-.360	2.511	-.792	.273	-.035	1.032	-.738	-.009	.065	.301	-.743	.426	-1.509
BEX7	1.559	-.792	3.584	.158	-1.549	-.752	.106	.344	1.138	-2.022	1.017	-2.303	.453
BEX8	.419	.273	.158	3.051	.687	.174	-1.131	.893	-1.996	-1.305	1.124	-.290	-1.734
BEX9	-.784	-.035	-1.549	.687	5.902	.549	-1.734	-.056	-4.678	-1.113	1.488	1.559	-.756
BEX10	-.356	1.032	-.752	.174	.549	2.858	-.766	-.858	-.897	-.201	-.463	.350	-.493
BEX11	-.280	-.738	.106	-1.131	-1.734	-.766	4.251	-2.244	3.046	-.136	-.950	-1.081	2.042
BEX12	.640	-.009	.344	.893	-.056	-.858	-2.244	4.192	-1.576	-.598	1.361	.579	-2.452
BEX13	-.071	.065	1.138	-1.996	-4.678	-.897	3.046	-1.576	7.426	.920	-3.117	-1.721	2.180
BEX14	-1.822	.301	-2.022	-1.305	-1.113	-.201	-.136	-.598	.920	5.400	-2.443	1.628	.526
BEX15	.901	-.743	1.017	1.124	1.488	-.463	-.950	1.361	-3.117	-2.443	4.127	-.948	-.802
BEX17	-1.488	.426	-2.303	-.290	1.559	.350	-1.081	.579	-1.721	1.628	-.948	5.678	-3.092
BEX18	-.923	-1.509	.453	-1.734	-.756	-.493	2.042	-2.452	2.180	.526	-.802	-3.092	6.448

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.785
Bartlett's Test of Sphericity	Approx. Chi-Square	378.487
	df	78
	Sig.	.000

Anti-image Matrices

		BEX2	BEX3	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX17	BEX18
Anti-image Covariance	BEX2	.308	-.044	.134	.042	-.041	-.038	-.020	.047	-.003	-.104	.067	-.081	-.044
	BEX3	-.044	.398	-.088	.036	-.002	.144	-.069	-.001	.003	.022	-.072	.030	-.093
	BEX7	.134	-.088	.279	.014	-.073	-.073	.007	.023	.043	-.105	.069	-.113	.020
	BEX8	.042	.036	.014	.328	.038	.020	-.087	.070	-.088	-.079	.089	-.017	-.088
	BEX9	-.041	-.002	-.073	.038	.169	.033	-.069	-.002	-.107	-.035	.061	.047	-.020
	BEX10	-.038	.144	-.073	.020	.033	.350	-.063	-.072	-.042	-.013	-.039	.022	-.027
	BEX11	-.020	-.069	.007	-.087	-.069	-.063	.235	-.126	.096	-.006	-.054	-.045	.074
	BEX12	.047	-.001	.023	.070	-.002	-.072	-.126	.239	-.051	-.026	.079	.024	-.091
	BEX13	-.003	.003	.043	-.088	-.107	-.042	.096	-.051	.135	.023	-.102	-.041	.046
	BEX14	-.104	.022	-.105	-.079	-.035	-.013	-.006	-.026	.023	.185	-.110	.053	.015
	BEX15	.067	-.072	.069	.089	.061	-.039	-.054	.079	-.102	-.110	.242	-.040	-.030
	BEX17	-.081	.030	-.113	-.017	.047	.022	-.045	.024	-.041	.053	-.040	.176	-.084
	BEX18	-.044	-.093	.020	-.088	-.020	-.027	.074	-.091	.046	.015	-.030	-.084	.155
Anti-image Correlation	BEX2	.828[a]	-.126	.457	.133	-.179	-.117	-.075	.174	-.015	-.435	.246	-.347	-.202
	BEX3	-.126	.828[a]	-.264	.098	-.009	.385	-.226	-.003	.015	.082	-.231	.113	-.375
	BEX7	.457	-.264	.732[a]	.048	-.337	-.235	.027	.089	.221	-.460	.264	-.511	.094
	BEX8	.133	.098	.048	.826[a]	.162	.059	-.314	.250	-.419	-.321	.317	-.070	-.391
	BEX9	-.179	-.009	-.337	.162	.798[a]	.134	-.346	-.011	-.707	-.197	.301	.269	-.123
	BEX10	-.117	.385	-.235	.059	.134	.887[a]	-.220	-.248	-.195	-.051	-.135	.087	-.115
	BEX11	-.075	-.226	.027	-.314	-.346	-.220	.741[a]	-.532	.542	-.028	-.227	-.220	.390
	BEX12	.174	-.003	.089	.250	-.011	-.248	-.532	.806[a]	-.282	-.126	.327	.119	-.472

Communalities

	Initial	Extraction
BEX2	1.000	.638
BEX3	1.000	.735
BEX7	1.000	.643
BEX8	1.000	.623
BEX9	1.000	.772
BEX10	1.000	.715
BEX11	1.000	.804
BEX12	1.000	.738
BEX13	1.000	.888
BEX14	1.000	.772
BEX15	1.000	.735
BEX17	1.000	.813
BEX18	1.000	.851

Extraction Method: Principal Component Analysis.

Total Variance Explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	7.364	56.645	56.645	7.364	56.645	56.645
2	1.251	9.623	66.269	1.251	9.623	66.269
3	1.114	8.569	74.837	1.114	8.569	74.837
4	.658	5.060	79.897			
5	.550	4.227	84.124			
6	.512	3.935	88.059			
7	.439	3.374	91.433			
8	.391	3.008	94.441			
9	.247	1.901	96.342			
10	.213	1.641	97.983			
11	.122	.940	98.923			
12	.084	.648	99.571			
13	.056	.429	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix[a]

	Component		
	1	2	3
BEX2	.766	-.031	.225
BEX3	.629	.412	.413
BEX7	.687	.354	-.213
BEX8	.772	-.106	.121
BEX9	.809	-.180	-.292
BEX10	.741	-.137	-.384
BEX11	.729	.396	-.341
BEX12	.772	.237	-.293
BEX13	.708	-.622	.005
BEX14	.848	-.108	-.202
BEX15	.673	-.482	.224
BEX17	.808	.092	.389
BEX18	.810	.200	.393

Extraction Method: Principal Component Analysis.

a. 3 components extracted.

Reproduced Correlations

		BEX2	BEX3	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX17	BEX18
Reproduced Correlation	BEX2	.638[a]	.562	.467	.622	.559	.485	.469	.518	.563	.608	.581	.704	.703
	BEX3	.562	.735[a]	.490	.492	.314	.251	.480	.462	.191	.406	.317	.707	.754
	BEX7	.467	.490	.643[a]	.468	.554	.542	.714	.677	.265	.588	.244	.505	.544
	BEX8	.622	.492	.468	.623[a]	.609	.540	.479	.536	.614	.642	.598	.661	.652
	BEX9	.559	.314	.554	.609	.772[a]	.736	.618	.667	.683	.765	.566	.523	.504
	BEX10	.485	.251	.542	.540	.736	.715[a]	.617	.652	.608	.721	.479	.436	.422
	BEX11	.469	.480	.714	.479	.618	.617	.804[a]	.756	.268	.645	.223	.492	.535
	BEX12	.518	.462	.677	.536	.667	.652	.756	.738[a]	.397	.689	.340	.531	.557
	BEX13	.563	.191	.265	.614	.683	.608	.268	.397	.888[a]	.667	.778	.517	.452
	BEX14	.608	.406	.588	.642	.765	.721	.645	.689	.667	.772[a]	.578	.597	.586
	BEX15	.581	.317	.244	.598	.566	.479	.223	.340	.778	.578	.735[a]	.587	.537
	BEX17	.704	.707	.505	.661	.523	.436	.492	.531	.517	.597	.587	.813[a]	.826
	BEX18	.703	.754	.544	.652	.504	.422	.535	.557	.452	.586	.537	.826	.851[a]
Residual[b]	BEX2		-.073	-.117	-.064	.021	.010	.020	-.011	-.056	.035	-.109	-.037	-.022
	BEX3	-.073		-.002	-.091	.078	-.042	.007	-.019	.057	.035	.082	-.134	-.096
	BEX7	-.117	-.002		-.009	.026	-.048	-.129	-.170	.023	.055	.033	.064	-.055
	BEX8	-.064	-.091	-.009		-.034	-.040	.009	-.034	-.012	-.008	-.129	-.014	.013
	BEX9	.021	.078	.026	-.034		-.145	-.037	-.032	.061	-.023	-.086	-.043	-.018
	BEX10	.010	-.042	-.048	-.040	-.145		-.033	.009	-.054	-.080	.014	.057	.069
	BEX11	.020	.007	-.129	.009	-.037	-.033		-.020	-.020	-.016	.090	-.006	-.048
	BEX12	-.011	-.019	-.170	-.034	-.032	.009	-.020		.046	-.095	-.018	-.012	.081
	BEX13	-.056	.057	.023	-.012	.061	-.054	-.020	.046		-.073	-.061	.002	-.008
	BEX14	.035	.035	.055	-.008	-.023	-.080	-.016	-.095	-.073		.051	-.064	-.052
	BEX15	-.109	.082	.033	-.129	-.086	.014	.090	-.018	-.061	.051		-.024	-.051
	BEX17	-.037	-.134	.064	-.014	-.043	.057	-.006	-.012	.002	-.064	-.024		.006
	BEX18	-.022	-.096	-.055	.013	-.018	.069	-.048	.081	-.008	-.052	-.051	.006	

Extraction Method: Principal Component Analysis.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 33 (42.0%) nonredundant residuals with absolute values greater than 0.05.

```
FACTOR
  /VARIABLES BEX2 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14 BEX15
BEX17 BEX18
  /MISSING LISTWISE
  /ANALYSIS BEX2 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14 BEX15 BEX17
BEX18
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:30:58
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES BEX2 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14 BEX15 BEX17 BEX18 /MISSING LISTWISE /ANALYSIS BEX2 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14 BEX15 BEX17 BEX18 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.11
	Elapsed Time	00:00:00.43
	Maximum Memory Required	18976 (18.531K) bytes

Correlation Matrix[a]

		BEX2	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX17	BEX18
Correlation	BEX2	1.000	.350	.558	.580	.495	.489	.507	.507	.642	.472	.666	.681
	BEX7	.350	1.000	.459	.580	.495	.585	.507	.287	.642	.277	.569	.489
	BEX8	.558	.459	1.000	.575	.501	.489	.501	.602	.634	.469	.648	.665
	BEX9	.580	.580	.575	1.000	.592	.581	.636	.744	.742	.480	.480	.487
	BEX10	.495	.495	.501	.592	1.000	.584	.661	.554	.641	.493	.493	.490
	BEX11	.489	.585	.489	.581	.584	1.000	.736	.248	.629	.313	.486	.487
	BEX12	.507	.507	.501	.636	.661	.736	1.000	.443	.594	.321	.519	.638
	BEX13	.507	.287	.602	.744	.554	.248	.443	1.000	.594	.716	.519	.443
	BEX14	.642	.642	.634	.742	.641	.629	.594	.594	1.000	.628	.533	.535
	BEX15	.472	.277	.469	.480	.493	.313	.321	.716	.628	1.000	.563	.486
	BEX17	.666	.569	.648	.480	.493	.486	.519	.519	.533	.563	1.000	.832
	BEX18	.681	.489	.665	.487	.490	.487	.638	.443	.535	.486	.832	1.000
Sig. (1-tailed)	BEX2		.014	.000	.000	.001	.001	.000	.000	.000	.001	.000	.000
	BEX7	.014		.002	.000	.001	.000	.000	.038	.000	.044	.000	.001
	BEX8	.000	.002		.000	.001	.001	.001	.000	.000	.001	.000	.000
	BEX9	.000	.000	.000		.000	.000	.000	.000	.000	.001	.001	.001
	BEX10	.001	.001	.001	.000		.000	.000	.000	.000	.001	.001	.001
	BEX11	.001	.000	.001	.000	.000		.000	.064	.000	.026	.001	.001
	BEX12	.000	.000	.001	.000	.000	.000		.002	.000	.023	.000	.000
	BEX13	.000	.038	.000	.000	.000	.064	.002		.000	.000	.000	.002
	BEX14	.000	.000	.000	.000	.000	.000	.000	.000		.000	.000	.000
	BEX15	.001	.044	.001	.001	.001	.026	.023	.000	.000		.000	.001
	BEX17	.000	.000	.000	.001	.001	.001	.000	.000	.000	.000		.000
	BEX18	.000	.001	.000	.001	.001	.001	.000	.002	.000	.001	.000	

a. Determinant = 2.48E-005

Inverse of Correlation Matrix

	BEX2	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX17	BEX18
BEX2	3.190	1.445	.458	-.789	-.208	-.385	.638	-.062	-1.779	.795	-1.427	-1.139
BEX7	1.445	3.334	.244	-1.560	-.426	-.127	.341	1.158	-1.927	.782	-2.169	-.023
BEX8	.458	.244	3.022	.691	.062	-1.051	.894	-2.003	-1.337	1.205	-.336	-1.571
BEX9	-.789	-1.560	.691	5.901	.563	-1.744	-.056	-4.677	-1.109	1.478	1.565	-.777
BEX10	-.208	-.426	.062	.563	2.434	-.463	-.854	-.923	-.325	-.158	.174	.128
BEX11	-.385	-.127	-1.051	-1.744	-.463	4.034	-2.246	3.065	-.047	-1.169	-.956	1.599
BEX12	.638	.341	.894	-.056	-.854	-2.246	4.192	-1.575	-.597	1.358	.581	-2.458
BEX13	-.062	1.158	-2.003	-4.677	-.923	3.065	-1.575	7.425	.912	-3.098	-1.732	2.219
BEX14	-1.779	-1.927	-1.337	-1.109	-.325	-.047	-.597	.912	5.364	-2.354	1.577	.707
BEX15	.795	.782	1.205	1.478	-.158	-1.169	1.358	-3.098	-2.354	3.907	-.822	-1.249
BEX17	-1.427	-2.169	-.336	1.565	.174	-.956	.581	-1.732	1.577	-.822	5.606	-2.836
BEX18	-1.139	-.023	-1.571	-.777	.128	1.599	-2.458	2.219	.707	-1.249	-2.836	5.541

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.777
Bartlett's Test of Sphericity	Approx. Chi-Square	351.787
	df	66
	Sig.	.000

Anti-image Matrices

		BEX2	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX17	BEX18
Anti-image Covariance	BEX2	.313	.136	.048	-.042	-.027	-.030	.048	-.003	-.104	.064	-.080	-.064
	BEX7	.136	.300	.024	-.079	-.053	-.009	.024	.047	-.108	.060	-.116	-.001
	BEX8	.048	.024	.331	.039	.008	-.086	.071	-.089	-.083	.102	-.020	-.094
	BEX9	-.042	-.079	.039	.169	.039	-.073	-.002	-.107	-.035	.064	.047	-.024
	BEX10	-.027	-.053	.008	.039	.411	-.047	-.084	-.051	-.025	-.017	.013	.009
	BEX11	-.030	-.009	-.086	-.073	-.047	.248	-.133	.102	-.002	-.074	-.042	.072
	BEX12	.048	.024	.071	-.002	-.084	-.133	.239	-.051	-.027	.083	.025	-.106
	BEX13	-.003	.047	-.089	-.107	-.051	.102	-.051	.135	.023	-.107	-.042	.054
	BEX14	-.104	-.108	-.083	-.035	-.025	-.002	-.027	.023	.186	-.112	.052	.024
	BEX15	.064	.060	.102	.064	-.017	-.074	.083	-.107	-.112	.256	-.038	-.058
	BEX17	-.080	-.116	-.020	.047	.013	-.042	.025	-.042	.052	-.038	.178	-.091
	BEX18	-.064	-.001	-.094	-.024	.009	.072	-.106	.054	.024	-.058	-.091	.180
Anti-image Correlation	BEX2	.821[a]	.443	.148	-.182	-.075	-.107	.175	-.013	-.430	.225	-.337	-.271
	BEX7	.443	.743[a]	.077	-.352	-.150	-.035	.091	.233	-.456	.217	-.502	-.005
	BEX8	.148	.077	.816[a]	.164	.023	-.301	.251	-.423	-.332	.351	-.082	-.384
	BEX9	-.182	-.352	.164	.786[a]	.149	-.357	-.011	-.707	-.197	.308	.272	-.136
	BEX10	-.075	-.150	.023	.149	.942[a]	-.148	-.267	-.217	-.090	-.051	.047	.035
	BEX11	-.107	-.035	-.301	-.357	-.148	.735[a]	-.546	.560	-.010	-.294	-.201	.338
	BEX12	.175	.091	.251	-.011	-.267	-.546	.785[a]	-.282	-.126	.336	.120	-.510
	BEX13	-.013	.233	-.423	-.707	-.217	.560	-.282	.647[a]	.144	-.575	-.268	.346
	BEX14	-.430	-.456	-.332	-.197	-.090	-.010	-.126	.144	.817[a]	-.514	.288	.130
	BEX15	.225	.217	.351	.308	-.051	-.294	.336	-.575	-.514	.686[a]	-.176	-.268
	BEX17	-.337	-.502	-.082	.272	.047	-.201	.120	-.268	.288	-.176	.797[a]	-.509
	BEX18	-.271	-.005	-.384	-.136	.035	.338	-.510	.346	.130	-.268	-.509	.773[a]

a. Measures of Sampling Adequacy (MSA)

Communalities

	Initial	Extraction
BEX2	1.000	.596
BEX7	1.000	.634
BEX8	1.000	.622
BEX9	1.000	.670
BEX10	1.000	.593
BEX11	1.000	.793
BEX12	1.000	.733
BEX13	1.000	.814
BEX14	1.000	.732
BEX15	1.000	.743

BEX17	1.000	.645
BEX18	1.000	.628

Extraction Method: Principal Component Analysis.

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	7.004	58.368	58.368	7.004	58.368	58.368
2	1.200	9.999	68.366	1.200	9.999	68.366
3	.949	7.906	76.272			
4	.615	5.124	81.396			
5	.514	4.281	85.677			
6	.472	3.933	89.609			
7	.393	3.271	92.881			
8	.346	2.884	95.765			
9	.232	1.930	97.695			
10	.130	1.086	98.781			
11	.090	.746	99.527			
12	.057	.473	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix[a]

	Component	
	1	2
BEX2	.763	.121
BEX7	.679	-.415
BEX8	.778	.126
BEX9	.819	.010
BEX10	.764	-.099
BEX11	.723	-.519
BEX12	.774	-.367
BEX13	.726	.536
BEX14	.855	-.011
BEX15	.674	.537
BEX17	.798	.091

BEX18	.793	.005

Extraction Method: Principal Component Analysis.

a. 2 components extracted.

Reproduced Correlations

		BEX2	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX15	BEX17	BEX18
Reproduced Correlation	BEX2	.596[a]	.468	.609	.626	.571	.489	.546	.619	.651	.579	.620	.605
	BEX7	.468	.634[a]	.476	.552	.560	.707	.678	.271	.586	.235	.505	.536
	BEX8	.609	.476	.622[a]	.638	.582	.497	.556	.633	.664	.593	.633	.617
	BEX9	.626	.552	.638	.670[a]	.624	.587	.630	.600	.700	.558	.655	.649
	BEX10	.571	.560	.582	.624	.593[a]	.604	.627	.502	.655	.462	.601	.605
	BEX11	.489	.707	.497	.587	.604	.793[a]	.750	.248	.625	.209	.530	.571
	BEX12	.546	.678	.556	.630	.627	.750	.733[a]	.365	.666	.325	.584	.611
	BEX13	.619	.271	.633	.600	.502	.248	.365	.814[a]	.615	.777	.628	.578
	BEX14	.651	.586	.664	.700	.655	.625	.666	.615	.732[a]	.571	.682	.678
	BEX15	.579	.235	.593	.558	.462	.209	.325	.777	.571	.743[a]	.587	.537
	BEX17	.620	.505	.633	.655	.601	.530	.584	.628	.682	.587	.645[a]	.633
	BEX18	.605	.536	.617	.649	.605	.571	.611	.578	.678	.537	.633	.628[a]
Residual[b]	BEX2		-.118	-.051	-.045	-.076	.000	-.039	-.111	-.009	-.108	.047	.076
	BEX7	-.118		-.018	.029	-.065	-.122	-.171	.016	.057	.042	.064	-.048
	BEX8	-.051	-.018		-.064	-.081	-.009	-.055	-.031	-.030	-.123	.015	.048
	BEX9	-.045	.029	-.064		-.033	-.006	.006	.143	.042	-.078	-.175	-.162
	BEX10	-.076	-.065	-.081	-.033		-.020	.033	.052	-.013	.031	-.108	-.115
	BEX11	.000	-.122	-.009	-.006	-.020		-.014	.000	.004	.103	-.045	-.084
	BEX12	-.039	-.171	-.055	.006	.033	-.014		.077	-.072	-.003	-.065	.027
	BEX13	-.111	.016	-.031	.143	.052	.000	.077		-.021	-.061	-.110	-.135
	BEX14	-.009	.057	-.030	.042	-.013	.004	-.072	-.021		.057	-.148	-.143
	BEX15	-.108	.042	-.123	-.078	.031	.103	-.003	-.061	.057		-.024	-.052
	BEX17	.047	.064	.015	-.175	-.108	-.045	-.065	-.110	-.148	-.024		.198
	BEX18	.076	-.048	.048	-.162	-.115	-.084	.027	-.135	-.143	-.052	.198	

Extraction Method: Principal Component Analysis.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 35 (53.0%) nonredundant residuals with absolute values greater than 0.05.

```
FACTOR
  /VARIABLES BEX2 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14 BEX17
BEX18
  /MISSING LISTWISE
  /ANALYSIS BEX2 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14 BEX17 BEX18
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created	26-AUG-2022 17:31:45

Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES BEX2 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14 BEX17 BEX18 /MISSING LISTWISE /ANALYSIS BEX2 BEX7 BEX8 BEX9 BEX10 BEX11 BEX12 BEX13 BEX14 BEX17 BEX18 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.

Resources	Processor Time	00:00:00.08
	Elapsed Time	00:00:00.46
	Maximum Memory Required	16224 (15.844K) bytes

Correlation Matrix[a]

		BEX2	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX17	BEX18
Correlation	BEX2	1.000	.350	.558	.580	.495	.489	.507	.507	.642	.666	.681
	BEX7	.350	1.000	.459	.580	.495	.585	.507	.287	.642	.569	.489
	BEX8	.558	.459	1.000	.575	.501	.489	.501	.602	.634	.648	.665
	BEX9	.580	.580	.575	1.000	.592	.581	.636	.744	.742	.480	.487
	BEX10	.495	.495	.501	.592	1.000	.584	.661	.554	.641	.493	.490
	BEX11	.489	.585	.489	.581	.584	1.000	.736	.248	.629	.486	.487
	BEX12	.507	.507	.501	.636	.661	.736	1.000	.443	.594	.519	.638
	BEX13	.507	.287	.602	.744	.554	.248	.443	1.000	.594	.519	.443
	BEX14	.642	.642	.634	.742	.641	.629	.594	.594	1.000	.533	.535
	BEX17	.666	.569	.648	.480	.493	.486	.519	.519	.533	1.000	.832
	BEX18	.681	.489	.665	.487	.490	.487	.638	.443	.535	.832	1.000
Sig. (1-tailed)	BEX2		.014	.000	.000	.001	.001	.000	.000	.000	.000	.000
	BEX7	.014		.002	.000	.001	.000	.000	.038	.000	.000	.001
	BEX8	.000	.002		.000	.001	.001	.001	.000	.000	.000	.000
	BEX9	.000	.000	.000		.000	.000	.000	.000	.000	.001	.001
	BEX10	.001	.001	.001	.000		.000	.000	.000	.000	.001	.001
	BEX11	.001	.000	.001	.000	.000		.000	.064	.000	.001	.001
	BEX12	.000	.000	.001	.000	.000	.000		.002	.000	.000	.000
	BEX13	.000	.038	.000	.000	.000	.064	.002		.000	.000	.002
	BEX14	.000	.000	.000	.000	.000	.000	.000	.000		.000	.000
	BEX17	.000	.000	.000	.001	.001	.001	.000	.000	.000		.000
	BEX18	.000	.001	.000	.001	.001	.001	.000	.002	.000	.000	

a. Determinant = 9.67E-005

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.804
Bartlett's Test of Sphericity	Approx. Chi-Square	309.668
	df	55
	Sig.	.000

Communalities

	Initial	Extraction
BEX2	1.000	.671
BEX7	1.000	.626
BEX8	1.000	.685

BEX9	1.000	.682
BEX10	1.000	.622
BEX11	1.000	.800
BEX12	1.000	.720
BEX13	1.000	.636
BEX14	1.000	.731
BEX17	1.000	.722
BEX18	1.000	.708

Extraction Method: Principal Component Analysis.

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	6.589	59.900	59.900	6.589	59.900	59.900
2	1.014	9.218	69.118	1.014	9.218	69.118
3	.922	8.386	77.504			
4	.613	5.568	83.072			
5	.476	4.331	87.403			
6	.411	3.735	91.138			
7	.375	3.405	94.543			
8	.234	2.125	96.668			
9	.173	1.569	98.237			
10	.124	1.129	99.366			
11	.070	.634	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix[a]

	Component	
	1	2
BEX2	.764	-.295
BEX7	.698	.372
BEX8	.781	-.275
BEX9	.823	.066
BEX10	.764	.197
BEX11	.743	.499
BEX12	.794	.299

BEX13	.697	-.387
BEX14	.847	.116
BEX17	.793	-.305
BEX18	.795	-.274

Extraction Method: Principal Component Analysis.

a. 2 components extracted.

Reproduced Correlations

		BEX2	BEX7	BEX8	BEX9	BEX10	BEX11	BEX12	BEX13	BEX14	BEX17	BEX18
Reproduced Correlation	BEX2	.671[a]	.424	.678	.609	.525	.420	.518	.647	.613	.696	.689
	BEX7	.424	.626[a]	.443	.599	.607	.704	.666	.343	.635	.440	.454
	BEX8	.678	.443	.685[a]	.625	.542	.442	.538	.651	.630	.703	.696
	BEX9	.609	.599	.625	.682[a]	.642	.644	.673	.548	.705	.633	.637
	BEX10	.525	.607	.542	.642	.622[a]	.666	.666	.456	.670	.546	.554
	BEX11	.420	.704	.442	.644	.666	.800[a]	.739	.324	.687	.436	.454
	BEX12	.518	.666	.538	.673	.666	.739	.720[a]	.438	.707	.538	.550
	BEX13	.647	.343	.651	.548	.456	.324	.438	.636[a]	.546	.671	.661
	BEX14	.613	.635	.630	.705	.670	.687	.707	.546	.731[a]	.636	.642
	BEX17	.696	.440	.703	.633	.546	.436	.538	.671	.636	.722[a]	.714
	BEX18	.689	.454	.696	.637	.554	.454	.550	.661	.642	.714	.708[a]
Residual[b]	BEX2		-.074	-.120	-.029	-.031	.069	-.011	-.140	.029	-.030	-.007
	BEX7	-.074		.016	-.019	-.112	-.119	-.158	-.055	.008	.129	.035
	BEX8	-.120	.016		-.050	-.041	.046	-.037	-.049	.004	-.055	-.031
	BEX9	-.029	-.019	-.050		-.050	-.063	-.038	.195	.037	-.153	-.150
	BEX10	-.031	-.112	-.041	-.050		-.082	-.005	.098	-.029	-.053	-.064
	BEX11	.069	-.119	.046	-.063	-.082		-.003	-.076	-.058	.049	.033
	BEX12	-.011	-.158	-.037	-.038	-.005	-.003		.005	-.114	-.020	.088
	BEX13	-.140	-.055	-.049	.195	.098	-.076	.005		.048	-.152	-.217
	BEX14	.029	.008	.004	.037	-.029	-.058	-.114	.048		-.103	-.108
	BEX17	-.030	.129	-.055	-.153	-.053	.049	-.020	-.152	-.103		.117
	BEX18	-.007	.035	-.031	-.150	-.064	.033	.088	-.217	-.108	.117	

Extraction Method: Principal Component Analysis.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 28 (50.0%) nonredundant residuals with absolute values greater than 0.05.

```
FACTOR
  /VARIABLES BEX2 BEX7 BEX8 BEX9 BEX10 BEX12 BEX13 BEX14 BEX17 BEX18
  /MISSING LISTWISE
  /ANALYSIS BEX2 BEX7 BEX8 BEX9 BEX10 BEX12 BEX13 BEX14 BEX17 BEX18
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:33:26
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES BEX2 BEX7 BEX8 BEX9 BEX10 BEX12 BEX13 BEX14 BEX17 BEX18 /MISSING LISTWISE /ANALYSIS BEX2 BEX7 BEX8 BEX9 BEX10 BEX12 BEX13 BEX14 BEX17 BEX18 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.06
	Elapsed Time	00:00:00.09
	Maximum Memory Required	13688 (13.367K) bytes

Correlation Matrix[a]

		BEX2	BEX7	BEX8	BEX9	BEX10	BEX12	BEX13	BEX14	BEX17	BEX18
Correlation	BEX2	1.000	.350	.558	.580	.495	.507	.507	.642	.666	.681
	BEX7	.350	1.000	.459	.580	.495	.507	.287	.642	.569	.489
	BEX8	.558	.459	1.000	.575	.501	.501	.602	.634	.648	.665
	BEX9	.580	.580	.575	1.000	.592	.636	.744	.742	.480	.487
	BEX10	.495	.495	.501	.592	1.000	.661	.554	.641	.493	.490
	BEX12	.507	.507	.501	.636	.661	1.000	.443	.594	.519	.638
	BEX13	.507	.287	.602	.744	.554	.443	1.000	.594	.519	.443
	BEX14	.642	.642	.634	.742	.641	.594	.594	1.000	.533	.535
	BEX17	.666	.569	.648	.480	.493	.519	.519	.533	1.000	.832
	BEX18	.681	.489	.665	.487	.490	.638	.443	.535	.832	1.000
Sig. (1-tailed)	BEX2		.014	.000	.000	.001	.000	.000	.000	.000	.000
	BEX7	.014		.002	.000	.001	.000	.038	.000	.000	.001
	BEX8	.000	.002		.000	.001	.001	.000	.000	.000	.000
	BEX9	.000	.000	.000		.000	.000	.000	.000	.001	.001
	BEX10	.001	.001	.001	.000		.000	.000	.000	.001	.001
	BEX12	.000	.000	.001	.000	.000		.002	.000	.000	.000
	BEX13	.000	.038	.000	.000	.000	.002		.000	.000	.002
	BEX14	.000	.000	.000	.000	.000	.000	.000		.000	.000
	BEX17	.000	.000	.000	.001	.001	.000	.000	.000		.000
	BEX18	.000	.001	.000	.001	.001	.000	.002	.000	.000	

a. Determinant = .000

Inverse of Correlation Matrix

	BEX2	BEX7	BEX8	BEX9	BEX10	BEX12	BEX13	BEX14	BEX17	BEX18
BEX2	3.023	1.290	.185	-1.142	-.197	.288	.654	-1.330	-1.308	-.836
BEX7	1.290	3.174	.022	-1.818	-.380	.122	1.716	-1.434	-1.969	.192
BEX8	.185	.022	2.521	-.009	.015	.130	-.647	-.752	-.308	-.956
BEX9	-1.142	-1.818	-.009	4.882	.442	-1.220	-2.750	-.484	1.451	.128
BEX10	-.197	-.380	.015	.442	2.357	-1.054	-.753	-.524	-.025	.247
BEX12	.288	.122	.130	-1.220	-1.054	2.801	.570	-.154	.267	-1.412
BEX13	.654	1.716	-.647	-2.750	-.753	.570	3.728	-.519	-1.686	.518
BEX14	-1.330	-1.434	-.752	-.484	-.524	-.154	-.519	3.792	.836	.205
BEX17	-1.308	-1.969	-.308	1.451	-.025	.267	-1.686	.836	5.042	-2.699
BEX18	-.836	.192	-.956	.128	.247	-1.412	.518	.205	-2.699	4.735

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.814
Bartlett's Test of Sphericity	Approx. Chi-Square	268.622
	df	45
	Sig.	.000

Anti-image Matrices

		BEX2	BEX7	BEX8	BEX9	BEX10	BEX12	BEX13	BEX14	BEX17	BEX18
Anti-image Covariance	BEX2	.331	.134	.024	-.077	-.028	.034	.058	-.116	-.086	-.058
	BEX7	.134	.315	.003	-.117	-.051	.014	.145	-.119	-.123	.013
	BEX8	.024	.003	.397	-.001	.002	.018	-.069	-.079	-.024	-.080
	BEX9	-.077	-.117	-.001	.205	.038	-.089	-.151	-.026	.059	.006
	BEX10	-.028	-.051	.002	.038	.424	-.160	-.086	-.059	-.002	.022
	BEX12	.034	.014	.018	-.089	-.160	.357	.055	-.014	.019	-.106
	BEX13	.058	.145	-.069	-.151	-.086	.055	.268	-.037	-.090	.029
	BEX14	-.116	-.119	-.079	-.026	-.059	-.014	-.037	.264	.044	.011
	BEX17	-.086	-.123	-.024	.059	-.002	.019	-.090	.044	.198	-.113
	BEX18	-.058	.013	-.080	.006	.022	-.106	.029	.011	-.113	.211
Anti-image Correlation	BEX2	.818[a]	.417	.067	-.297	-.074	.099	.195	-.393	-.335	-.221
	BEX7	.417	.675[a]	.008	-.462	-.139	.041	.499	-.413	-.492	.049
	BEX8	.067	.008	.939[a]	-.003	.006	.049	-.211	-.243	-.086	-.277
	BEX9	-.297	-.462	-.003	.779[a]	.130	-.330	-.645	-.113	.293	.027
	BEX10	-.074	-.139	.006	.130	.898[a]	-.410	-.254	-.175	-.007	.074
	BEX12	.099	.041	.049	-.330	-.410	.855[a]	.176	-.047	.071	-.388
	BEX13	.195	.499	-.211	-.645	-.254	.176	.715[a]	-.138	-.389	.123
	BEX14	-.393	-.413	-.243	-.113	-.175	-.047	-.138	.877[a]	.191	.048
	BEX17	-.335	-.492	-.086	.293	-.007	.071	-.389	.191	.771[a]	-.552
	BEX18	-.221	.049	-.277	.027	.074	-.388	.123	.048	-.552	.841[a]

a. Measures of Sampling Adequacy (MSA)

Communalities

	Initial	Extraction
BEX2	1.000	.596
BEX7	1.000	.469
BEX8	1.000	.625
BEX9	1.000	.679
BEX10	1.000	.575
BEX12	1.000	.594
BEX13	1.000	.534
BEX14	1.000	.712
BEX17	1.000	.647
BEX18	1.000	.650

Extraction Method: Principal Component Analysis.

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	6.081	60.806	60.806	6.081	60.806	60.806
2	.936	9.358	70.164			

3	.797	7.970	78.134			
4	.585	5.848	83.982			
5	.464	4.643	88.625			
6	.376	3.759	92.384			
7	.359	3.590	95.974			
8	.178	1.784	97.758			
9	.135	1.354	99.112			
10	.089	.888	100.000			

Extraction Method: Principal Component Analysis.

Reproduced Correlations

		BEX2	BEX7	BEX8	BEX9	BEX10	BEX12	BEX13	BEX14	BEX17	BEX18
Reproduced Correlation	BEX2	.596[a]	.529	.610	.636	.585	.595	.564	.651	.621	.622
	BEX7	.529	.469[a]	.542	.565	.519	.528	.501	.578	.551	.552
	BEX8	.610	.542	.625[a]	.651	.599	.609	.578	.667	.636	.637
	BEX9	.636	.565	.651	.679[a]	.625	.635	.602	.695	.663	.664
	BEX10	.585	.519	.599	.625	.575[a]	.584	.554	.640	.609	.611
	BEX12	.595	.528	.609	.635	.584	.594[a]	.563	.650	.620	.621
	BEX13	.564	.501	.578	.602	.554	.563	.534[a]	.617	.588	.589
	BEX14	.651	.578	.667	.695	.640	.650	.617	.712[a]	.678	.680
	BEX17	.621	.551	.636	.663	.609	.620	.588	.678	.647[a]	.648
	BEX18	.622	.552	.637	.664	.611	.621	.589	.680	.648	.650[a]
Residual[b]	BEX2		-.179	-.053	-.056	-.090	-.088	-.057	-.009	.046	.059
	BEX7	-.179		-.083	.016	-.025	-.021	-.213	.064	.018	-.063
	BEX8	-.053	-.083		-.077	-.098	-.108	.024	-.033	.012	.028
	BEX9	-.056	.016	-.077		-.033	.001	.141	.047	-.183	-.177
	BEX10	-.090	-.025	-.098	-.033		.077	.000	.002	-.116	-.121
	BEX12	-.088	-.021	-.108	.001	.077		-.121	-.057	-.101	.017
	BEX13	-.057	-.213	.024	.141	.000	-.121		-.023	-.069	-.146
	BEX14	-.009	.064	-.033	.047	.002	-.057	-.023		-.145	-.145
	BEX17	.046	.018	.012	-.183	-.116	-.101	-.069	-.145		.183
	BEX18	.059	-.063	.028	-.177	-.121	.017	-.146	-.145	.183	

Extraction Method: Principal Component Analysis.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 28 (62.0%) nonredundant residuals with absolute values greater than 0.05.

Component Matrix[a]

	Component
	1
BEX2	.772
BEX7	.685
BEX8	.791
BEX9	.824
BEX10	.758

BEX12	.771
BEX13	.731
BEX14	.844
BEX17	.804
BEX18	.806

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

```
FACTOR
  /VARIABLES BEX2 BEX8 BEX9 BEX10 BEX12 BEX13 BEX14 BEX17 BEX18
  /MISSING LISTWISE
  /ANALYSIS BEX2 BEX8 BEX9 BEX10 BEX12 BEX13 BEX14 BEX17 BEX18
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:33:49
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.

Syntax		FACTOR /VARIABLES BEX2 BEX8 BEX9 BEX10 BEX12 BEX13 BEX14 BEX17 BEX18 /MISSING LISTWISE /ANALYSIS BEX2 BEX8 BEX9 BEX10 BEX12 BEX13 BEX14 BEX17 BEX18 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.06
	Elapsed Time	00:00:00.57
	Maximum Memory Required	11368 (11.102K) bytes

Correlation Matrix[a]

		BEX2	BEX8	BEX9	BEX10	BEX12	BEX13	BEX14	BEX17	BEX18
Correlation	BEX2	1.000	.558	.580	.495	.507	.507	.642	.666	.681
	BEX8	.558	1.000	.575	.501	.501	.602	.634	.648	.665
	BEX9	.580	.575	1.000	.592	.636	.744	.742	.480	.487
	BEX10	.495	.501	.592	1.000	.661	.554	.641	.493	.490
	BEX12	.507	.501	.636	.661	1.000	.443	.594	.519	.638
	BEX13	.507	.602	.744	.554	.443	1.000	.594	.519	.443
	BEX14	.642	.634	.742	.641	.594	.594	1.000	.533	.535
	BEX17	.666	.648	.480	.493	.519	.519	.533	1.000	.832
	BEX18	.681	.665	.487	.490	.638	.443	.535	.832	1.000
Sig. (1-tailed)	BEX2		.000	.000	.001	.000	.000	.000	.000	.000
	BEX8	.000		.000	.001	.001	.000	.000	.000	.000
	BEX9	.000	.000		.000	.000	.000	.000	.001	.001
	BEX10	.001	.001	.000		.000	.000	.000	.001	.001
	BEX12	.000	.001	.000	.000		.002	.000	.000	.000
	BEX13	.000	.000	.000	.000	.002		.000	.000	.002
	BEX14	.000	.000	.000	.000	.000	.000		.000	.000
	BEX17	.000	.000	.001	.001	.000	.000	.000		.000
	BEX18	.000	.000	.001	.001	.000	.002	.000	.000	

a. Determinant = .001

Inverse of Correlation Matrix

	BEX2	BEX8	BEX9	BEX10	BEX12	BEX13	BEX14	BEX17	BEX18
BEX2	2.498	.176	-.403	-.042	.238	-.044	-.747	-.507	-.914
BEX8	.176	2.521	.004	.018	.129	-.660	-.742	-.294	-.957
BEX9	-.403	.004	3.842	.225	-1.150	-1.768	-1.306	.324	.238
BEX10	-.042	.018	.225	2.312	-1.039	-.547	-.696	-.261	.269
BEX12	.238	.129	-1.150	-1.039	2.796	.503	-.099	.343	-1.419
BEX13	-.044	-.660	-1.768	-.547	.503	2.800	.257	-.621	.415
BEX14	-.747	-.742	-1.306	-.696	-.099	.257	3.144	-.053	.291
BEX17	-.507	-.294	.324	-.261	.343	-.621	-.053	3.820	-2.580
BEX18	-.914	-.957	.238	.269	-1.419	.415	.291	-2.580	4.723

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.867
Bartlett's Test of Sphericity	Approx. Chi-Square	231.804
	df	36
	Sig.	.000

Anti-image Matrices

		BEX2	BEX8	BEX9	BEX10	BEX12	BEX13	BEX14	BEX17	BEX18
Anti-image Covariance	BEX2	.400	.028	-.042	-.007	.034	-.006	-.095	-.053	-.077
	BEX8	.028	.397	.000	.003	.018	-.093	-.094	-.031	-.080
	BEX9	-.042	.000	.260	.025	-.107	-.164	-.108	.022	.013
	BEX10	-.007	.003	.025	.433	-.161	-.085	-.096	-.030	.025
	BEX12	.034	.018	-.107	-.161	.358	.064	-.011	.032	-.107
	BEX13	-.006	-.093	-.164	-.085	.064	.357	.029	-.058	.031
	BEX14	-.095	-.094	-.108	-.096	-.011	.029	.318	-.004	.020
	BEX17	-.053	-.031	.022	-.030	.032	-.058	-.004	.262	-.143
	BEX18	-.077	-.080	.013	.025	-.107	.031	.020	-.143	.212
Anti-image Correlation	BEX2	.932[a]	.070	-.130	-.018	.090	-.017	-.267	-.164	-.266
	BEX8	.070	.925[a]	.001	.007	.049	-.248	-.264	-.095	-.277
	BEX9	-.130	.001	.836[a]	.076	-.351	-.539	-.376	.085	.056
	BEX10	-.018	.007	.076	.892[a]	-.409	-.215	-.258	-.088	.082
	BEX12	.090	.049	-.351	-.409	.838[a]	.180	-.033	.105	-.391
	BEX13	-.017	-.248	-.539	-.215	.180	.836[a]	.087	-.190	.114
	BEX14	-.267	-.264	-.376	-.258	-.033	.087	.894[a]	-.015	.076
	BEX17	-.164	-.095	.085	-.088	.105	-.190	-.015	.859[a]	-.607
	BEX18	-.266	-.277	.056	.082	-.391	.114	.076	-.607	.810[a]

a. Measures of Sampling Adequacy (MSA)

Communalities

	Initial	Extraction
BEX2	1.000	.627
BEX8	1.000	.637
BEX9	1.000	.670
BEX10	1.000	.574

BEX12	1.000	.592
BEX13	1.000	.571
BEX14	1.000	.692
BEX17	1.000	.638
BEX18	1.000	.657

Extraction Method: Principal Component Analysis.

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	5.657	62.853	62.853	5.657	62.853	62.853
2	.935	10.384	73.237			
3	.661	7.342	80.579			
4	.464	5.159	85.738			
5	.384	4.270	90.008			
6	.376	4.176	94.184			
7	.237	2.636	96.819			
8	.154	1.716	98.536			
9	.132	1.464	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix[a]

	Component 1
BEX2	.792
BEX8	.798
BEX9	.819
BEX10	.757
BEX12	.769
BEX13	.756
BEX14	.832
BEX17	.799
BEX18	.811

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

Reproduced Correlations

		BEX2	BEX8	BEX9	BEX10	BEX12	BEX13	BEX14	BEX17	BEX18
Reproduced Correlation	BEX2	.627[a]	.632	.648	.600	.609	.598	.658	.632	.642
	BEX8	.632	.637[a]	.653	.604	.614	.603	.664	.637	.647
	BEX9	.648	.653	.670[a]	.620	.630	.618	.681	.654	.664
	BEX10	.600	.604	.620	.574[a]	.583	.572	.630	.605	.614
	BEX12	.609	.614	.630	.583	.592[a]	.581	.640	.615	.624
	BEX13	.598	.603	.618	.572	.581	.571[a]	.628	.603	.612
	BEX14	.658	.664	.681	.630	.640	.628	.692[a]	.664	.674
	BEX17	.632	.637	.654	.605	.615	.603	.664	.638[a]	.647
	BEX18	.642	.647	.664	.614	.624	.612	.674	.647	.657[a]
Residual[b]	BEX2		-.074	-.068	-.105	-.102	-.091	-.016	.034	.039
	BEX8	-.074		-.078	-.104	-.113	-.001	-.030	.010	.019
	BEX9	-.068	-.078		-.028	.006	.125	.061	-.174	-.177
	BEX10	-.105	-.104	-.028		.078	-.018	.011	-.112	-.124
	BEX12	-.102	-.113	.006	.078		-.138	-.046	-.096	.015
	BEX13	-.091	-.001	.125	-.018	-.138		-.034	-.085	-.169
	BEX14	-.016	-.030	.061	.011	-.046	-.034		-.131	-.139
	BEX17	.034	.010	-.174	-.112	-.096	-.085	-.131		.184
	BEX18	.039	.019	-.177	-.124	.015	-.169	-.139	.184	

Extraction Method: Principal Component Analysis.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 22 (61.0%) nonredundant residuals with absolute values greater than 0.05.

```
RELIABILITY
  /VARIABLES=BEX2 BEX8 BEX9 BEX10 BEX12 BEX13 BEX14 BEX17 BEX18
  /SCALE('ALL VARIABLES') ALL
  /MODEL=ALPHA.
```

Reliability

Notes

Output Created		26-AUG-2022 17:35:03
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
	Matrix Input	
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.

	Cases Used	Statistics are based on all cases with valid data for all variables in the procedure.
Syntax		RELIABILITY /VARIABLES=BEX2 BEX8 BEX9 BEX10 BEX12 BEX13 BEX14 BEX17 BEX18 /SCALE('ALL VARIABLES') ALL /MODEL=ALPHA.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.07

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	39	100.0
	Excluded[a]	0	.0
	Total	39	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
.926	9

```
FACTOR
  /VARIABLES BT1 BT2 BT3 BT4 BT5
  /MISSING LISTWISE
  /ANALYSIS BT1 BT2 BT3 BT4 BT5
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created	26-AUG-2022 17:35:50
Comments	

Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES BT1 BT2 BT3 BT4 BT5 /MISSING LISTWISE /ANALYSIS BT1 BT2 BT3 BT4 BT5 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.05
	Elapsed Time	00:00:00.27
	Maximum Memory Required	4248 (4.148K) bytes

Correlation Matrix[a]

		BT1	BT2	BT3	BT4	BT5
Correlation	BT1	1.000	.423	.327	.340	.479
	BT2	.423	1.000	.483	.291	.318
	BT3	.327	.483	1.000	.491	.638
	BT4	.340	.291	.491	1.000	.443
	BT5	.479	.318	.638	.443	1.000

Sig. (1-tailed)	BT1		.004	.021	.017	.001
	BT2	.004		.001	.036	.024
	BT3	.021	.001		.001	.000
	BT4	.017	.036	.001		.002
	BT5	.001	.024	.000	.002	

a. Determinant = .220

Inverse of Correlation Matrix

	BT1	BT2	BT3	BT4	BT5
BT1	1.499	-.495	.253	-.210	-.628
BT2	-.495	1.474	-.669	-.024	.206
BT3	.253	-.669	2.160	-.474	-1.077
BT4	-.210	-.024	-.474	1.405	-.211
BT5	-.628	.206	-1.077	-.211	2.016

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.705
Bartlett's Test of Sphericity	Approx. Chi-Square	53.677
	df	10
	Sig.	.000

Anti-image Matrices

		BT1	BT2	BT3	BT4	BT5
Anti-image Covariance	BT1	.667	-.224	.078	-.100	-.208
	BT2	-.224	.678	-.210	-.012	.069
	BT3	.078	-.210	.463	-.156	-.247
	BT4	-.100	-.012	-.156	.712	-.075
	BT5	-.208	.069	-.247	-.075	.496
Anti-image Correlation	BT1	.691[a]	-.333	.141	-.145	-.361
	BT2	-.333	.692[a]	-.375	-.017	.119
	BT3	.141	-.375	.664[a]	-.272	-.516
	BT4	-.145	-.017	-.272	.852[a]	-.126
	BT5	-.361	.119	-.516	-.126	.686[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
BT1	1.000	.469
BT2	1.000	.447
BT3	1.000	.670
BT4	1.000	.480
BT5	1.000	.643

Extraction Method: Principal Component Analysis.

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.708	54.169	54.169	2.708	54.169	54.169
2	.778	15.553	69.722			
3	.661	13.210	82.932			
4	.580	11.606	94.538			
5	.273	5.462	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix[a]

	Component 1
BT1	.685
BT2	.668
BT3	.819
BT4	.693
BT5	.802

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

Reproduced Correlations

	BT1	BT2	BT3	BT4	BT5

Reproduced Correlation	BT1	.469[a]	.458	.560	.474	.549
	BT2	.458	.447[a]	.547	.463	.536
	BT3	.560	.547	.670[a]	.567	.656
	BT4	.474	.463	.567	.480[a]	.556
	BT5	.549	.536	.656	.556	.643[a]
Residual[b]	BT1		-.034	-.233	-.135	-.070
	BT2	-.034		-.064	-.172	-.218
	BT3	-.233	-.064		-.077	-.018
	BT4	-.135	-.172	-.077		-.113
	BT5	-.070	-.218	-.018	-.113	

Extraction Method: Principal Component Analysis.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 8 (80.0%) nonredundant residuals with absolute values greater than 0.05.

```
FACTOR
  /VARIABLES BT1 BT3 BT4 BT5
  /MISSING LISTWISE
  /ANALYSIS BT1 BT3 BT4 BT5
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:36:26
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39

Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES BT1 BT3 BT4 BT5 /MISSING LISTWISE /ANALYSIS BT1 BT3 BT4 BT5 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.18
	Maximum Memory Required	3008 (2.938K) bytes

Correlation Matrix[a]

		BT1	BT3	BT4	BT5
Correlation	BT1	1.000	.327	.340	.479
	BT3	.327	1.000	.491	.638
	BT4	.340	.491	1.000	.443
	BT5	.479	.638	.443	1.000
Sig. (1-tailed)	BT1		.021	.017	.001
	BT3	.021		.001	.000
	BT4	.017	.001		.002
	BT5	.001	.000	.002	

a. Determinant = .325

Inverse of Correlation Matrix

	BT1	BT3	BT4	BT5
BT1	1.333	.028	-.219	-.559

BT3	.028	1.857	-.485	-.984
BT4	-.219	-.485	1.404	-.208
BT5	-.559	-.984	-.208	1.988

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.717
Bartlett's Test of Sphericity	Approx. Chi-Square	40.278
	df	6
	Sig.	.000

Anti-image Matrices

		BT1	BT3	BT4	BT5
Anti-image Covariance	BT1	.750	.011	-.117	-.211
	BT3	.011	.539	-.186	-.267
	BT4	-.117	-.186	.712	-.074
	BT5	-.211	-.267	-.074	.503
Anti-image Correlation	BT1	.758[a]	.018	-.160	-.343
	BT3	.018	.682[a]	-.300	-.512
	BT4	-.160	-.300	.808[a]	-.124
	BT5	-.343	-.512	-.124	.678[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
BT1	1.000	.451
BT3	1.000	.666
BT4	1.000	.535
BT5	1.000	.721

Extraction Method: Principal Component Analysis.

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %

1	2.373	59.332	59.332	2.373	59.332	59.332
2	.714	17.859	77.190			
3	.584	14.609	91.800			
4	.328	8.200	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix[a]

	Component
	1
BT1	.671
BT3	.816
BT4	.732
BT5	.849

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

Reproduced Correlations

		BT1	BT3	BT4	BT5
Reproduced Correlation	BT1	.451[a]	.548	.491	.570
	BT3	.548	.666[a]	.597	.693
	BT4	.491	.597	.535[a]	.621
	BT5	.570	.693	.621	.721[a]
Residual[b]	BT1		-.221	-.152	-.092
	BT3	-.221		-.106	-.055
	BT4	-.152	-.106		-.178
	BT5	-.092	-.055	-.178	

Extraction Method: Principal Component Analysis.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 6 (100.0%) nonredundant residuals with absolute values greater than 0.05.

```
FACTOR
  /VARIABLES BT1 BT3 BT4 BT5
  /MISSING LISTWISE
  /ANALYSIS BT1 BT3 BT4 BT5
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:36:44
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES BT1 BT3 BT4 BT5 /MISSING LISTWISE /ANALYSIS BT1 BT3 BT4 BT5 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.37
	Maximum Memory Required	3008 (2.938K) bytes

Correlation Matrix[a]

		BT1	BT3	BT4	BT5
Correlation	BT1	1.000	.327	.340	.479
	BT3	.327	1.000	.491	.638

	BT4	.340	.491	1.000	.443
	BT5	.479	.638	.443	1.000
Sig. (1-tailed)	BT1		.021	.017	.001
	BT3	.021		.001	.000
	BT4	.017	.001		.002
	BT5	.001	.000	.002	

a. Determinant = .325

Inverse of Correlation Matrix

	BT1	BT3	BT4	BT5
BT1	1.333	.028	-.219	-.559
BT3	.028	1.857	-.485	-.984
BT4	-.219	-.485	1.404	-.208
BT5	-.559	-.984	-.208	1.988

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.717
Bartlett's Test of Sphericity	Approx. Chi-Square	40.278
	df	6
	Sig.	.000

Anti-image Matrices

		BT1	BT3	BT4	BT5
Anti-image Covariance	BT1	.750	.011	-.117	-.211
	BT3	.011	.539	-.186	-.267
	BT4	-.117	-.186	.712	-.074
	BT5	-.211	-.267	-.074	.503
Anti-image Correlation	BT1	.758[a]	.018	-.160	-.343
	BT3	.018	.682[a]	-.300	-.512
	BT4	-.160	-.300	.808[a]	-.124
	BT5	-.343	-.512	-.124	.678[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
BT1	1.000	.451
BT3	1.000	.666

BT4	1.000	.535
BT5	1.000	.721

Extraction Method: Principal Component Analysis.

Total Variance Explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.373	59.332	59.332	2.373	59.332	59.332
2	.714	17.859	77.190			
3	.584	14.609	91.800			
4	.328	8.200	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix[a]

	Component 1
BT1	.671
BT3	.816
BT4	.732
BT5	.849

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

Reproduced Correlations

		BT1	BT3	BT4	BT5
Reproduced Correlation	BT1	.451[a]	.548	.491	.570
	BT3	.548	.666[a]	.597	.693
	BT4	.491	.597	.535[a]	.621
	BT5	.570	.693	.621	.721[a]
Residual[b]	BT1		-.221	-.152	-.092
	BT3	-.221		-.106	-.055
	BT4	-.152	-.106		-.178
	BT5	-.092	-.055	-.178	

Extraction Method: Principal Component Analysis.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 6 (100.0%) nonredundant residuals with absolute values greater than 0.05.

```
FACTOR
  /VARIABLES BT3 BT4 BT5
  /MISSING LISTWISE
  /ANALYSIS BT3 BT4 BT5
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:37:23
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.

Syntax		FACTOR /VARIABLES BT3 BT4 BT5 /MISSING LISTWISE /ANALYSIS BT3 BT4 BT5 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.08
	Elapsed Time	00:00:00.32
	Maximum Memory Required	1984 (1.938K) bytes

Correlation Matrix[a]

		BT3	BT4	BT5
Correlation	BT3	1.000	.491	.638
	BT4	.491	1.000	.443
	BT5	.638	.443	1.000
Sig. (1-tailed)	BT3		.001	.000
	BT4	.001		.002
	BT5	.000	.002	

a. Determinant = .433

Inverse of Correlation Matrix

	BT3	BT4	BT5
BT3	1.856	-.480	-.972
BT4	-.480	1.368	-.300
BT5	-.972	-.300	1.753

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.669
Bartlett's Test of Sphericity	Approx. Chi-Square	30.271
	df	3
	Sig.	.000

Anti-image Matrices

		BT3	BT4	BT5
Anti-image Covariance	BT3	.539	-.189	-.299
	BT4	-.189	.731	-.125
	BT5	-.299	-.125	.570
Anti-image Correlation	BT3	.630[a]	-.301	-.539
	BT4	-.301	.773[a]	-.193
	BT5	-.539	-.193	.648[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
BT3	1.000	.755
BT4	1.000	.580
BT5	1.000	.718

Extraction Method: Principal Component Analysis.

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.053	68.423	68.423	2.053	68.423	68.423
2	.589	19.647	88.070			
3	.358	11.930	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix[a]

	Component
	1
BT3	.869
BT4	.762
BT5	.847

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

Reproduced Correlations

		BT3	BT4	BT5
Reproduced Correlation	BT3	.755[a]	.662	.736
	BT4	.662	.580[a]	.645
	BT5	.736	.645	.718[a]
Residual[b]	BT3		-.171	-.098
	BT4	-.171		-.202
	BT5	-.098	-.202	

Extraction Method: Principal Component Analysis.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 3 (100.0%) nonredundant residuals with absolute values greater than 0.05.

```
RELIABILITY
  /VARIABLES=BT3 BT4 BT5
  /SCALE('ALL VARIABLES') ALL
  /MODEL=ALPHA.
```

Reliability

Notes

Output Created		26-AUG-2022 17:38:12
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
	Matrix Input	
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the procedure.

Syntax		RELIABILITY /VARIABLES=BT3 BT4 BT5 /SCALE('ALL VARIABLES') ALL /MODEL=ALPHA.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.17

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	39	100.0
	Excluded[a]	0	.0
	Total	39	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
.767	3

```
FACTOR
  /VARIABLES BC1 BC2 BC3 BC4
  /MISSING LISTWISE
  /ANALYSIS BC1 BC2 BC3 BC4
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:38:39
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>

	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES BC1 BC2 BC3 BC4 /MISSING LISTWISE /ANALYSIS BC1 BC2 BC3 BC4 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.05
	Elapsed Time	00:00:00.22
	Maximum Memory Required	3008 (2.938K) bytes

Correlation Matrix[a]

		BC1	BC2	BC3	BC4
Correlation	BC1	1.000	.757	.459	.754
	BC2	.757	1.000	.242	.681
	BC3	.459	.242	1.000	.296
	BC4	.754	.681	.296	1.000
Sig. (1-tailed)	BC1		.000	.002	.000
	BC2	.000		.069	.000
	BC3	.002	.069		.034
	BC4	.000	.000	.034	

a. Determinant = .131

Inverse of Correlation Matrix

	BC1	BC2	BC3	BC4
BC1	3.709	-1.617	-.886	-1.432
BC2	-1.617	2.577	.304	-.627
BC3	-.886	.304	1.311	.072
BC4	-1.432	-.627	.072	2.485

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.724
Bartlett's Test of Sphericity	Approx. Chi-Square	72.723
	df	6
	Sig.	.000

Anti-image Matrices

		BC1	BC2	BC3	BC4
Anti-image Covariance	BC1	.270	-.169	-.182	-.155
	BC2	-.169	.388	.090	-.098
	BC3	-.182	.090	.763	.022
	BC4	-.155	-.098	.022	.402
Anti-image Correlation	BC1	.673[a]	-.523	-.402	-.472
	BC2	-.523	.751[a]	.166	-.248
	BC3	-.402	.166	.652[a]	.040
	BC4	-.472	-.248	.040	.797[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
BC1	1.000	.874
BC2	1.000	.740
BC3	1.000	.289
BC4	1.000	.760

Extraction Method: Principal Component Analysis.

Total Variance Explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.663	66.583	66.583	2.663	66.583	66.583
2	.833	20.819	87.402			
3	.317	7.926	95.328			
4	.187	4.672	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix[a]

	Component
	1
BC1	.935
BC2	.860
BC3	.538
BC4	.872

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

Reproduced Correlations

		BC1	BC2	BC3	BC4
Reproduced Correlation	BC1	.874[a]	.804	.503	.815
	BC2	.804	.740[a]	.463	.750
	BC3	.503	.463	.289[a]	.469
	BC4	.815	.750	.469	.760[a]
Residual[b]	BC1		-.048	-.044	-.061
	BC2	-.048		-.221	-.069
	BC3	-.044	-.221		-.173
	BC4	-.061	-.069	-.173	

Extraction Method: Principal Component Analysis.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 4 (66.0%) nonredundant residuals with absolute values greater than 0.05.

```
FACTOR
  /VARIABLES BC1 BC2 BC4
  /MISSING LISTWISE
```

```
/ANALYSIS BC1 BC2 BC4
/PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
/CRITERIA MINEIGEN(1) ITERATE(25)
/EXTRACTION PC
/ROTATION NOROTATE
/METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:40:02
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES BC1 BC2 BC4 /MISSING LISTWISE /ANALYSIS BC1 BC2 BC4 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.08
	Maximum Memory Required	1984 (1.938K) bytes

Correlation Matrix[a]

		BC1	BC2	BC4
Correlation	BC1	1.000	.757	.754
	BC2	.757	1.000	.681
	BC4	.754	.681	1.000
Sig. (1-tailed)	BC1		.000	.000
	BC2	.000		.000
	BC4	.000	.000	

a. Determinant = .172

Inverse of Correlation Matrix

	BC1	BC2	BC4
BC1	3.110	-1.411	-1.383
BC2	-1.411	2.506	-.643
BC4	-1.383	-.643	2.481

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.738
Bartlett's Test of Sphericity	Approx. Chi-Square	63.596
	df	3
	Sig.	.000

Anti-image Matrices

		BC1	BC2	BC4
Anti-image Covariance	BC1	.322	-.181	-.179
	BC2	-.181	.399	-.103
	BC4	-.179	-.103	.403
Anti-image Correlation	BC1	.694[a]	-.505	-.498
	BC2	-.505	.763[a]	-.258
	BC4	-.498	-.258	.766[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
BC1	1.000	.857

BC2	1.000	.803
BC4	1.000	.801

Extraction Method: Principal Component Analysis.

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.462	82.054	82.054	2.462	82.054	82.054
2	.319	10.627	92.681			
3	.220	7.319	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix[a]

	Component
	1
BC1	.926
BC2	.896
BC4	.895

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

Reproduced Correlations

		BC1	BC2	BC4
Reproduced Correlation	BC1	.857[a]	.830	.829
	BC2	.830	.803[a]	.802
	BC4	.829	.802	.801[a]
Residual[b]	BC1		-.073	-.075
	BC2	-.073		-.121
	BC4	-.075	-.121	

Extraction Method: Principal Component Analysis.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 3 (100.0%) nonredundant residuals with absolute values greater than 0.05.

```
RELIABILITY
  /VARIABLES=BC1 BC2 BC4
```

```
/SCALE('ALL VARIABLES') ALL
/MODEL=ALPHA.
```

Reliability

Notes

Output Created		26-AUG-2022 17:40:38
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
	Matrix Input	
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the procedure.
Syntax		RELIABILITY /VARIABLES=BC1 BC2 BC4 /SCALE('ALL VARIABLES') ALL /MODEL=ALPHA.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.17

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	39	100.0
	Excluded[a]	0	.0

Total	39	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
.889	3

```
FACTOR
  /VARIABLES RI1 RI2 RI3 RI4
  /MISSING LISTWISE
  /ANALYSIS RI1 RI2 RI3 RI4
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:40:57
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.

Syntax		FACTOR /VARIABLES RI1 RI2 RI3 RI4 /MISSING LISTWISE /ANALYSIS RI1 RI2 RI3 RI4 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.05
	Elapsed Time	00:00:00.34
	Maximum Memory Required	3008 (2.938K) bytes

Correlation Matrix[a]

		RI1	RI2	RI3	RI4
Correlation	RI1	1.000	.532	.691	.531
	RI2	.532	1.000	.569	.490
	RI3	.691	.569	1.000	.576
	RI4	.531	.490	.576	1.000
Sig. (1-tailed)	RI1		.000	.000	.000
	RI2	.000		.000	.001
	RI3	.000	.000		.000
	RI4	.000	.001	.000	

a. Determinant = .204

Inverse of Correlation Matrix

	RI1	RI2	RI3	RI4
RI1	2.091	-.352	-1.054	-.331
RI2	-.352	1.629	-.495	-.326
RI3	-1.054	-.495	2.315	-.531
RI4	-.331	-.326	-.531	1.641

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.803
Bartlett's Test of Sphericity	Approx. Chi-Square	57.014

	df	6
	Sig.	.000

Anti-image Matrices

		RI1	RI2	RI3	RI4
Anti-image Covariance	RI1	.478	-.103	-.218	-.096
	RI2	-.103	.614	-.131	-.122
	RI3	-.218	-.131	.432	-.140
	RI4	-.096	-.122	-.140	.609
Anti-image Correlation	RI1	.778[a]	-.191	-.479	-.178
	RI2	-.191	.857[a]	-.255	-.200
	RI3	-.479	-.255	.754[a]	-.272
	RI4	-.178	-.200	-.272	.854[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
RI1	1.000	.713
RI2	1.000	.612
RI3	1.000	.759
RI4	1.000	.616

Extraction Method: Principal Component Analysis.

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.699	67.477	67.477	2.699	67.477	67.477
2	.510	12.751	80.228			
3	.487	12.178	92.406			
4	.304	7.594	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix[a]

	Component
	1

RI1	.844
RI2	.782
RI3	.871
RI4	.785

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

Reproduced Correlations

		RI1	RI2	RI3	RI4
Reproduced Correlation	RI1	.713[a]	.661	.735	.662
	RI2	.661	.612[a]	.681	.614
	RI3	.735	.681	.759[a]	.683
	RI4	.662	.614	.683	.616[a]
Residual[b]	RI1		-.128	-.045	-.132
	RI2	-.128		-.113	-.124
	RI3	-.045	-.113		-.108
	RI4	-.132	-.124	-.108	

Extraction Method: Principal Component Analysis.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 5 (83.0%) nonredundant residuals with absolute values greater than 0.05.

```
RELIABILITY
  /VARIABLES=RI1 RI2 RI3 RI4
  /SCALE('ALL VARIABLES') ALL
  /MODEL=ALPHA.
```

Reliability

Notes

Output Created		26-AUG-2022 17:41:28
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>

	N of Rows in Working Data File	39
	Matrix Input	
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the procedure.
Syntax		RELIABILITY /VARIABLES=RI1 RI2 RI3 RI4 /SCALE('ALL VARIABLES') ALL /MODEL=ALPHA.
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.06

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	39	100.0
	Excluded[a]	0	.0
	Total	39	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
.838	4

```
FACTOR
  /VARIABLES BE1 BE2 BE3 BE4
  /MISSING LISTWISE
  /ANALYSIS BE1 BE2 BE3 BE4
  /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION
  /CRITERIA MINEIGEN(1) ITERATE(25)
  /EXTRACTION PC
  /ROTATION NOROTATE
  /METHOD=CORRELATION.
```

Factor Analysis

Notes

Output Created		26-AUG-2022 17:41:48
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
Missing Value Handling	Definition of Missing	MISSING=EXCLUDE: User-defined missing values are treated as missing.
	Cases Used	LISTWISE: Statistics are based on cases with no missing values for any variable used.
Syntax		FACTOR /VARIABLES BE1 BE2 BE3 BE4 /MISSING LISTWISE /ANALYSIS BE1 BE2 BE3 BE4 /PRINT INITIAL CORRELATION SIG DET KMO INV REPR AIC EXTRACTION /CRITERIA MINEIGEN(1) ITERATE(25) /EXTRACTION PC /ROTATION NOROTATE /METHOD=CORRELATION.
Resources	Processor Time	00:00:00.05
	Elapsed Time	00:00:00.32
	Maximum Memory Required	3008 (2.938K) bytes

Correlation Matrix[a]

		BE1	BE2	BE3	BE4
Correlation	BE1	1.000	.480	.548	.537
	BE2	.480	1.000	.654	.615

	BE3	.548	.654	1.000	.530
	BE4	.537	.615	.530	1.000
Sig. (1-tailed)	BE1		.001	.000	.000
	BE2	.001		.000	.000
	BE3	.000	.000		.000
	BE4	.000	.000	.000	

a. Determinant = .208

Inverse of Correlation Matrix

	BE1	BE2	BE3	BE4
BE1	1.631	-.101	-.551	-.522
BE2	-.101	2.122	-.932	-.756
BE3	-.551	-.932	2.019	-.202
BE4	-.522	-.756	-.202	1.852

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.778
Bartlett's Test of Sphericity	Approx. Chi-Square	56.224
	df	6
	Sig.	.000

Anti-image Matrices

		BE1	BE2	BE3	BE4
Anti-image Covariance	BE1	.613	-.029	-.167	-.173
	BE2	-.029	.471	-.217	-.192
	BE3	-.167	-.217	.495	-.054
	BE4	-.173	-.192	-.054	.540
Anti-image Correlation	BE1	.815[a]	-.054	-.304	-.300
	BE2	-.054	.747[a]	-.450	-.381
	BE3	-.304	-.450	.767[a]	-.104
	BE4	-.300	-.381	-.104	.794[a]

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
BE1	1.000	.599
BE2	1.000	.713

BE3	1.000	.702
BE4	1.000	.670

Extraction Method: Principal Component Analysis.

Total Variance Explained

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.684	67.110	67.110	2.684	67.110	67.110
2	.539	13.469	80.579			
3	.471	11.784	92.363			
4	.305	7.637	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix[a]

	Component
	1
BE1	.774
BE2	.844
BE3	.838
BE4	.819

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

Reproduced Correlations

		BE1	BE2	BE3	BE4
Reproduced Correlation	BE1	.599[a]	.654	.648	.634
	BE2	.654	.713[a]	.707	.691
	BE3	.648	.707	.702[a]	.686
	BE4	.634	.691	.686	.670[a]
Residual[b]	BE1		-.174	-.100	-.097
	BE2	-.174		-.053	-.077
	BE3	-.100	-.053		-.155
	BE4	-.097	-.077	-.155	

Extraction Method: Principal Component Analysis.

a. Reproduced communalities

b. Residuals are computed between observed and reproduced correlations. There are 6 (100.0%) nonredundant residuals with absolute values greater than 0.05.

```
RELIABILITY
  /VARIABLES=BE1 BE2 BE3 BE4
  /SCALE('ALL VARIABLES') ALL
  /MODEL=ALPHA.
```

Reliability

Notes

Output Created		26-AUG-2022 17:42:19
Comments		
Input	Data	C:\Users\HP\Documents\spss 2022\pretest.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	39
	Matrix Input	
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the procedure.
Syntax		RELIABILITY /VARIABLES=BE1 BE2 BE3 BE4 /SCALE('ALL VARIABLES') ALL /MODEL=ALPHA.
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.27

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	39	100.0

	Excluded[a]	0	.0
	Total	39	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
.836	4

Lampiran 6

Output Analisis SEM Dengan Lisrel

DATE: 1/ 8/2023
TIME: 17:37

L I S R E L 8.80

BY

Karl G. Jöreskog & Dag Sörbom

This program is published exclusively by
Scientific Software International, Inc.
7383 N. Lincoln Avenue, Suite 100
Lincolnwood, IL 60712, U.S.A.
Phone: (800)247-6113, (847)675-0720, Fax: (847)675-2140

Website: www.ssicentral.com

The following lines were read from file C:\Users\HP\Downloads\SYNTAX1.spl:

```
RAW DATA FROM FILE MELYFIN.PSF
LATENT VARIABLES: BI BL BEX BT BC RI BE
RELATIONSHIP:
BI1=BI
BI2=BI
BI3=BI
BI4=BI
BL1=BL
BL2=BL
BL3=BL
BEX1=BEX
BEX2=BEX
BEX3=BEX
BEX4=BEX
BEX5=BEX
BEX6=BEX
BEX7=BEX
BEX8=BEX
BEX9=BEX
BT1=BT
BT2=BT
BT3=BT
BC1=BC
BC2=BC
BC3=BC
RI1=RI
RI2=RI
RI3=RI
```

RI4=RI
BE1=BE
BE2=BE
BE3=BE
BE4=BE

BI=BEX
BT=BI BC
BL=BEX BI BT
BE=BI
RI=BL

SET ERROR COVARIANCE BETWEEN RI3 AND BI3 FREE
SET ERROR COVARIANCE BETWEEN RI1 AND BI1 FREE
SET ERROR COVARIANCE BETWEEN RI4 AND BI4 FREE
SET ERROR COVARIANCE BETWEEN RI2 AND BI2 FREE
SET ERROR COVARIANCE BETWEEN BEX9 AND BEX8 FREE
SET ERROR COVARIANCE BETWEEN BEX4 AND BEX3 FREE
SET ERROR COVARIANCE BETWEEN RI AND BI FREE
SET ERROR COVARIANCE BETWEEN BEX7 AND BEX5 FREE
SET ERROR COVARIANCE BETWEEN BE2 AND RI2 FREE
SET ERROR COVARIANCE BETWEEN RI1 AND BT3 FREE
SET ERROR COVARIANCE BETWEEN BEX8 AND BT1 FREE
SET ERROR COVARIANCE BETWEEN BL AND BI FREE
SET ERROR COVARIANCE BETWEEN BEX6 AND BT2 FREE
SET ERROR COVARIANCE BETWEEN BT2 AND BL2 FREE
SET ERROR COVARIANCE BETWEEN RI2 AND BT2 FREE
SET ERROR COVARIANCE BETWEEN BEX7 AND BEX2 FREE
SET ERROR COVARIANCE BETWEEN BEX7 AND BEX1 FREE
SET ERROR COVARIANCE BETWEEN BEX9 AND BEX5 FREE
SET ERROR COVARIANCE BETWEEN BEX9 AND BEX7 FREE
SET ERROR COVARIANCE BETWEEN BEX8 AND BEX2 FREE

OPTIONS:SC
PATH DIAGRAM
END OF PROBLEM

Sample Size = 300

Covariance Matrix

	BI1	BI2	BI3	BI4	BL1	BL2
BI1	0.41					
BI2	0.24	0.39				
BI3	0.20	0.21	0.36			
BI4	0.20	0.21	0.19	0.36		
BL1	0.01	0.02	0.01	0.01	0.80	
BL2	-0.03	0.00	-0.02	0.02	0.61	0.76
BL3	-0.01	0.02	-0.02	0.02	0.62	0.63
BT1	0.05	0.01	-0.02	0.04	0.17	0.19
BT2	0.02	0.02	-0.02	0.02	0.17	0.20
BT3	0.03	0.02	-0.01	0.03	0.15	0.17

RI1	0.15	0.06	0.04	0.06	0.03	0.02
RI2	0.08	0.14	0.06	0.07	0.00	0.01
RI3	0.06	0.08	0.14	0.06	-0.04	-0.05
RI4	0.10	0.07	0.07	0.15	0.00	0.02
BE1	-0.06	-0.03	-0.05	-0.03	0.05	0.07
BE2	-0.03	-0.04	-0.02	-0.04	0.06	0.07
BE3	-0.03	-0.04	-0.04	-0.05	0.07	0.06
BE4	-0.05	-0.02	-0.03	-0.06	0.06	0.08
BEX1	0.00	0.01	-0.04	0.01	0.18	0.22
BEX2	0.05	0.02	-0.02	0.06	0.11	0.12
BEX3	0.04	0.02	-0.02	0.05	0.08	0.12
BEX4	0.01	0.00	-0.01	0.04	0.09	0.10
BEX5	-0.02	-0.03	-0.05	-0.02	0.11	0.11
BEX6	0.01	0.03	-0.03	0.05	0.11	0.11
BEX7	0.00	0.00	-0.05	-0.01	0.08	0.07
BEX8	-0.01	-0.01	-0.06	0.02	0.08	0.13
BEX9	-0.03	-0.04	-0.05	-0.01	0.10	0.12
BC1	0.00	0.04	-0.01	0.06	0.20	0.14
BC2	0.04	0.06	0.02	0.08	0.23	0.15
BC3	0.03	0.05	-0.01	0.08	0.18	0.12

Covariance Matrix

	BL3	BT1	BT2	BT3	RI1	RI2
BL3	0.73					
BT1	0.19	0.84				
BT2	0.17	0.70	0.76			
BT3	0.19	0.72	0.65	0.79		
RI1	0.04	0.09	0.06	0.13	0.47	
RI2	0.02	0.04	0.00	0.05	0.32	0.46
RI3	-0.05	0.04	0.02	0.05	0.28	0.31
RI4	0.01	0.08	0.06	0.10	0.29	0.29
BE1	0.06	0.04	0.00	0.04	-0.06	-0.06
BE2	0.06	-0.02	-0.05	-0.01	-0.03	-0.02
BE3	0.07	0.02	0.00	0.01	-0.07	-0.08
BE4	0.07	0.01	-0.03	-0.01	-0.09	-0.07
BEX1	0.21	0.08	0.07	0.07	0.03	0.01
BEX2	0.10	0.05	0.05	0.03	0.09	0.09
BEX3	0.12	-0.01	-0.02	-0.01	0.10	0.08
BEX4	0.11	0.02	0.00	0.00	0.07	0.07
BEX5	0.09	0.01	0.03	-0.02	0.05	0.05
BEX6	0.10	0.03	0.07	0.03	0.04	0.02
BEX7	0.07	0.04	0.04	0.03	0.06	0.05
BEX8	0.11	0.08	0.05	0.04	0.06	0.04
BEX9	0.09	0.05	0.06	0.05	0.07	0.06
BC1	0.20	0.09	0.07	0.10	0.03	-0.01
BC2	0.21	0.14	0.10	0.14	0.01	-0.03
BC3	0.18	0.09	0.06	0.11	0.03	0.00

Covariance Matrix

	RI3	RI4	BE1	BE2	BE3	BE4
RI3	0.46					
RI4	0.27	0.43				

BE1	-0.07	-0.06	0.57			
BE2	-0.04	-0.05	0.42	0.54		
BE3	-0.07	-0.08	0.38	0.37	0.51	
BE4	-0.05	-0.09	0.37	0.38	0.37	0.58
BEX1	0.00	0.03	0.00	-0.03	0.03	0.01
BEX2	0.07	0.08	-0.04	-0.04	-0.02	-0.04
BEX3	0.07	0.11	-0.04	-0.05	-0.03	-0.06
BEX4	0.09	0.09	-0.01	-0.04	0.00	-0.02
BEX5	0.05	0.06	-0.07	-0.10	-0.05	-0.09
BEX6	0.03	0.02	-0.01	-0.04	-0.01	-0.03
BEX7	0.05	0.07	-0.06	-0.08	-0.06	-0.09
BEX8	0.04	0.06	-0.02	-0.05	-0.02	-0.03
BEX9	0.07	0.08	-0.06	-0.07	-0.05	-0.06
BC1	0.00	0.01	0.06	0.03	0.04	0.08
BC2	-0.04	-0.01	0.07	0.03	0.05	0.05
BC3	0.00	0.03	0.08	0.05	0.06	0.06

Covariance Matrix

	BEX1	BEX2	BEX3	BEX4	BEX5	BEX6
BEX1	0.79					
BEX2	0.50	0.66				
BEX3	0.45	0.45	0.65			
BEX4	0.45	0.44	0.47	0.62		
BEX5	0.46	0.43	0.41	0.42	0.66	
BEX6	0.43	0.39	0.36	0.33	0.40	0.58
BEX7	0.42	0.38	0.39	0.40	0.48	0.38
BEX8	0.47	0.40	0.39	0.41	0.44	0.39
BEX9	0.41	0.37	0.34	0.38	0.44	0.32
BC1	0.24	0.16	0.14	0.14	0.13	0.09
BC2	0.28	0.19	0.18	0.18	0.14	0.14
BC3	0.29	0.22	0.20	0.18	0.17	0.14

Covariance Matrix

	BEX7	BEX8	BEX9	BC1	BC2	BC3
BEX7	0.61					
BEX8	0.46	0.64				
BEX9	0.43	0.47	0.62			
BC1	0.10	0.18	0.14	0.79		
BC2	0.16	0.22	0.19	0.64	0.77	
BC3	0.17	0.22	0.20	0.66	0.67	0.80

Number of Iterations = 55

LISREL Estimates (Maximum Likelihood)

Measurement Equations

BI1 = 0.49*BI, Errorvar.= 0.17 , R^2 = 0.58
(0.020)
8.81

BI2 = 0.50*BI, Errorvar.= 0.15 , R^2 = 0.63
(0.035) (0.018)
14.34 8.09

BI3 = 0.43*BI, Errorvar.= 0.18 , R^2 = 0.52
(0.033) (0.018)
13.24 9.66

BI4 = 0.41*BI, Errorvar.= 0.19 , R^2 = 0.47
(0.033) (0.018)
12.30 10.10

BL1 = 0.77*BL, Errorvar.= 0.20 , R^2 = 0.75
(0.021)
9.60

BL2 = 0.78*BL, Errorvar.= 0.14 , R^2 = 0.81
(0.036) (0.018)
21.82 8.13

BL3 = 0.80*BL, Errorvar.= 0.077 , R^2 = 0.89
(0.035) (0.015)
23.25 5.04

BT1 = 0.88*BT, Errorvar.= 0.063 , R^2 = 0.92
(0.012)
5.15

BT2 = 0.79*BT, Errorvar.= 0.13 , R^2 = 0.83
(0.025) (0.014)
31.64 9.17

BT3 = 0.81*BT, Errorvar.= 0.13 , R^2 = 0.84
(0.026) (0.014)
31.30 9.09

RI1 = 0.54*RI, Errorvar.= 0.17 , R^2 = 0.63
(0.018)
9.52

RI2 = 0.57*RI, Errorvar.= 0.14 , R^2 = 0.70
(0.032) (0.016)
17.86 8.41

RI3 = 0.53*RI, Errorvar.= 0.18 , R^2 = 0.62
(0.032) (0.018)
16.49 9.64

RI4 = 0.51*RI, Errorvar.= 0.17 , R^2 = 0.61
(0.032) (0.017)
16.00 9.67

BE1 = 0.65*BE, Errorvar.= 0.15 , R^2 = 0.74
(0.017)
8.68

BE2 = 0.65*BE, Errorvar.= 0.12 , R^2 = 0.78
(0.034) (0.016)
19.41 7.68

BE3 = 0.59*BE, Errorvar.= 0.16 , R^2 = 0.68
(0.034) (0.017)
17.42 9.55

BE4 = 0.59*BE, Errorvar.= 0.22 , R^2 = 0.61
(0.037) (0.022)
16.03 10.29

BEX1 = 0.72*BEX, Errorvar.= 0.27 , R^2 = 0.66
(0.043) (0.026)
16.83 10.39

BEX2 = 0.68*BEX, Errorvar.= 0.19 , R^2 = 0.70
(0.039) (0.021)
17.48 9.42

BEX3 = 0.62*BEX, Errorvar.= 0.27 , R^2 = 0.59
(0.040) (0.024)
15.50 11.19

BEX4 = 0.62*BEX, Errorvar.= 0.23 , R^2 = 0.63
(0.038) (0.021)
16.26 11.00

BEX5 = 0.65*BEX, Errorvar.= 0.24 , R^2 = 0.64
(0.040) (0.022)
16.38 10.58

BEX6 = 0.58*BEX, Errorvar.= 0.25 , R^2 = 0.58
(0.037) (0.022)
15.48 11.30

BEX7 = 0.66*BEX, Errorvar.= 0.18 , R^2 = 0.71
(0.038) (0.020)
17.40 8.69

BEX8 = 0.66*BEX, Errorvar.= 0.20 , R^2 = 0.69
(0.038) (0.020)
17.47 10.04

BEX9 = 0.57*BEX, Errorvar.= 0.29 , R^2 = 0.53
(0.040) (0.026)
14.12 11.19

BC1 = 0.79*BC, Errorvar.= 0.17 , R^2 = 0.78
(0.041) (0.019)
19.25 9.14

BC2 = 0.81*BC, Errorvar.= 0.12 , R^2 = 0.84
(0.039) (0.016)

20.42 7.43

BC3 = 0.83*BC, Errorvar.= 0.11 , R^2 = 0.87
(0.040) (0.016)
20.90 6.55

Error Covariance for BT2 and BL2 = 0.031
(0.0100)
3.10

Error Covariance for RI1 and BI1 = 0.085
(0.014)
6.00

Error Covariance for RI1 and BT3 = 0.035
(0.0097)
3.67

Error Covariance for RI2 and BI2 = 0.070
(0.013)
5.57

Error Covariance for RI2 and BT2 = -0.03
(0.0084)
-3.10

Error Covariance for RI3 and BI3 = 0.090
(0.014)
6.36

Error Covariance for RI4 and BI4 = 0.074
(0.013)
5.56

Error Covariance for BE2 and RI2 = 0.034
(0.0094)
3.65

Error Covariance for BEX4 and BEX3 = 0.081
(0.017)
4.75

Error Covariance for BEX6 and BT2 = 0.035
(0.012)
3.00

Error Covariance for BEX7 and BEX1 = -0.06
(0.015)
-3.66

Error Covariance for BEX7 and BEX2 = -0.05
(0.014)
-3.70

Error Covariance for BEX7 and BEX5 = 0.047

(0.017)
2.77

Error Covariance for BEX8 and BT1 = 0.032
(0.0094)
3.41

Error Covariance for BEX8 and BEX2 = -0.04
(0.013)
-3.22

Error Covariance for BEX9 and BEX5 = 0.066
(0.017)
4.00

Error Covariance for BEX9 and BEX7 = 0.047
(0.016)
2.96

Error Covariance for BEX9 and BEX8 = 0.083
(0.016)
5.11

Structural Equations

BI = 0.0027*BEX, Errorvar.= 1.00 , R^2 = 0.00
(0.064) (0.13)
0.043 7.66

BL = - 2.11*BI + 0.24*BT + 0.22*BEX, Errorvar.= 5.29 , R^2 = -4.29
(0.95) (0.055) (0.15) (4.00)
-2.22 4.41 1.50 1.32

BT = 0.037*BI + 0.15*BC, Errorvar.= 0.98 , R^2 = 0.023
(0.064) (0.061) (0.087)
0.58 2.44 11.24

RI = 0.58*BL, Errorvar.= 1.33 , R^2 = -0.33
(0.22) (0.29)
2.70 4.55

BE = - 0.13*BI, Errorvar.= 0.98 , R^2 = 0.018
(0.066) (0.11)
-2.01 8.96

Error Covariance for BL and BI = 2.10
(0.94)
2.22

Error Covariance for RI and BI = 0.27
(0.082)
3.35

Reduced Form Equations

BI = 0.0027*BEX + 0.0*BC, Errorvar.= 1.00, R^2 = 0.00
(0.064)
0.043

BL = 0.22*BEX + 0.036*BC, Errorvar.= 0.95, R^2 = 0.054
(0.054) (0.017)
3.99 2.14

BT = 0.00010*BEX + 0.15*BC, Errorvar.= 0.98, R^2 = 0.022
(0.0024) (0.061)
0.042 2.44

RI = 0.13*BEX + 0.021*BC, Errorvar.= 0.98, R^2 = 0.018
(0.046) (0.011)
2.73 1.88

BE = - 0.00036*BEX + 0.0*BC, Errorvar.= 1.00, R^2 = 0.00
(0.0085)
-0.043

Correlation Matrix of Independent Variables

	BEX	BC
BEX	1.00	
BC	0.35	1.00
	(0.05)	
	6.48	

Covariance Matrix of Latent Variables

	BI	BL	BT	RI	BE	BEX
BI	1.00					
BL	0.00	1.00				
BT	0.04	0.25	1.00			
RI	0.27	0.01	0.16	1.00		
BE	-0.13	0.00	-0.01	-0.04	1.00	
BEX	0.00	0.23	0.05	0.13	0.00	1.00
BC	0.00	0.11	0.15	0.06	0.00	0.35

Covariance Matrix of Latent Variables

	BC
BC	1.00

Goodness of Fit Statistics

Degrees of Freedom = 376
Minimum Fit Function Chi-Square = 497.48 (P = 0.00)
Normal Theory Weighted Least Squares Chi-Square = 481.85 (P = 0.00018)
Estimated Non-centrality Parameter (NCP) = 105.85

90 Percent Confidence Interval for NCP = (53.49 ; 166.34)

Minimum Fit Function Value = 1.66
Population Discrepancy Function Value (F0) = 0.35
90 Percent Confidence Interval for F0 = (0.18 ; 0.56)
Root Mean Square Error of Approximation (RMSEA) = 0.031
90 Percent Confidence Interval for RMSEA = (0.022 ; 0.038)
P-Value for Test of Close Fit (RMSEA < 0.05) = 1.00

Expected Cross-Validation Index (ECVI) = 2.21
90 Percent Confidence Interval for ECVI = (2.03 ; 2.41)
ECVI for Saturated Model = 3.11
ECVI for Independence Model = 35.10

Chi-Square for Independence Model with 435 Degrees of Freedom = 10435.83
Independence AIC = 10495.83
Model AIC = 659.85
Saturated AIC = 930.00
Independence CAIC = 10636.94
Model CAIC = 1078.48
Saturated CAIC = 3117.26

Normed Fit Index (NFI) = 0.95
Non-Normed Fit Index (NNFI) = 0.99
Parsimony Normed Fit Index (PNFI) = 0.82
Comparative Fit Index (CFI) = 0.99
Incremental Fit Index (IFI) = 0.99
Relative Fit Index (RFI) = 0.94

Critical N (CN) = 267.09

Root Mean Square Residual (RMR) = 0.036
Standardized RMR = 0.058
Goodness of Fit Index (GFI) = 0.90
Adjusted Goodness of Fit Index (AGFI) = 0.88
Parsimony Goodness of Fit Index (PGFI) = 0.73

The Modification Indices Suggest to Add the

Path to	from	Decrease in Chi-Square	New Estimate
BEX1	BC	8.0	0.10

Standardized Solution

LAMBDA-Y

	BI	BL	BT	RI	BE
BI1	0.49	- -	- -	- -	- -
BI2	0.50	- -	- -	- -	- -
BI3	0.43	- -	- -	- -	- -
BI4	0.41	- -	- -	- -	- -
BL1	- -	0.77	- -	- -	- -
BL2	- -	0.78	- -	- -	- -

BL3	- -	0.80	- -	- -	- -
BT1	- -	- -	0.88	- -	- -
BT2	- -	- -	0.79	- -	- -
BT3	- -	- -	0.81	- -	- -
RI1	- -	- -	- -	0.54	- -
RI2	- -	- -	- -	0.57	- -
RI3	- -	- -	- -	0.53	- -
RI4	- -	- -	- -	0.51	- -
BE1	- -	- -	- -	- -	0.65
BE2	- -	- -	- -	- -	0.65
BE3	- -	- -	- -	- -	0.59
BE4	- -	- -	- -	- -	0.59

LAMBDA-X

	BEX	BC
BEX1	0.72	- -
BEX2	0.68	- -
BEX3	0.62	- -
BEX4	0.62	- -
BEX5	0.65	- -
BEX6	0.58	- -
BEX7	0.66	- -
BEX8	0.66	- -
BEX9	0.57	- -
BC1	- -	0.79
BC2	- -	0.81
BC3	- -	0.83

BETA

	BI	BL	BT	RI	BE
BI	- -	- -	- -	- -	- -
BL	-2.11	- -	0.24	- -	- -
BT	0.04	- -	- -	- -	- -
RI	- -	0.58	- -	- -	- -
BE	-0.13	- -	- -	- -	- -

GAMMA

	BEX	BC
BI	0.00	- -
BL	0.22	- -
BT	- -	0.15
RI	- -	- -
BE	- -	- -

Correlation Matrix of ETA and KSI

	BI	BL	BT	RI	BE	BEX
BI	1.00					
BL	0.00	1.00				

BT	0.04	0.25	1.00			
RI	0.27	0.01	0.16	1.00		
BE	-0.13	0.00	-0.01	-0.04	1.00	
BEX	0.00	0.23	0.05	0.13	0.00	1.00
BC	0.00	0.11	0.15	0.06	0.00	0.35

Correlation Matrix of ETA and KSI

	BC
BC	1.00

PSI

	BI	BL	BT	RI	BE
BI	1.00				
BL	2.10	5.29			
BT	- -	- -	0.98		
RI	0.27	- -	- -	1.33	
BE	- -	- -	- -	- -	0.98

Regression Matrix ETA on KSI (Standardized)

	BEX	BC
BI	0.00	- -
BL	0.22	0.04
BT	0.00	0.15
RI	0.13	0.02
BE	0.00	- -

Completely Standardized Solution

LAMBDA-Y

	BI	BL	BT	RI	BE
BI1	0.76	- -	- -	- -	- -
BI2	0.79	- -	- -	- -	- -
BI3	0.72	- -	- -	- -	- -
BI4	0.68	- -	- -	- -	- -
BL1	- -	0.87	- -	- -	- -
BL2	- -	0.90	- -	- -	- -
BL3	- -	0.95	- -	- -	- -
BT1	- -	- -	0.96	- -	- -
BT2	- -	- -	0.91	- -	- -
BT3	- -	- -	0.91	- -	- -
RI1	- -	- -	- -	0.79	- -
RI2	- -	- -	- -	0.84	- -
RI3	- -	- -	- -	0.78	- -
RI4	- -	- -	- -	0.78	- -
BE1	- -	- -	- -	- -	0.86
BE2	- -	- -	- -	- -	0.88

BE3	- -	- -	- -	- -	0.82
BE4	- -	- -	- -	- -	0.78

LAMBDA-X

	BEX	BC
BEX1	0.81	- -
BEX2	0.84	- -
BEX3	0.77	- -
BEX4	0.79	- -
BEX5	0.80	- -
BEX6	0.76	- -
BEX7	0.84	- -
BEX8	0.83	- -
BEX9	0.72	- -
BC1	- -	0.88
BC2	- -	0.92
BC3	- -	0.93

BETA

	BI	BL	BT	RI	BE
BI	- -	- -	- -	- -	- -
BL	-2.11	- -	0.24	- -	- -
BT	0.04	- -	- -	- -	- -
RI	- -	0.58	- -	- -	- -
BE	-0.13	- -	- -	- -	- -

GAMMA

	BEX	BC
BI	0.00	- -
BL	0.22	- -
BT	- -	0.15
RI	- -	- -
BE	- -	- -

Correlation Matrix of ETA and KSI

	BI	BL	BT	RI	BE	BEX
BI	1.00					
BL	0.00	1.00				
BT	0.04	0.25	1.00			
RI	0.27	0.01	0.16	1.00		
BE	-0.13	0.00	-0.01	-0.04	1.00	
BEX	0.00	0.23	0.05	0.13	0.00	1.00
BC	0.00	0.11	0.15	0.06	0.00	0.35

Correlation Matrix of ETA and KSI

	BC

BC 1.00

PSI

	BI	BL	BT	RI	BE
BI	1.00				
BL	2.10	5.29			
BT	- -	- -	0.98		
RI	0.27	- -	- -	1.33	
BE	- -	- -	- -	- -	0.98

THETA-EPS

	BI1	BI2	BI3	BI4	BL1	BL2
BI1	0.42					
BI2	- -	0.37				
BI3	- -	- -	0.48			
BI4	- -	- -	- -	0.53		
BL1	- -	- -	- -	- -	0.25	
BL2	- -	- -	- -	- -	- -	0.19
BL3	- -	- -	- -	- -	- -	- -
BT1	- -	- -	- -	- -	- -	- -
BT2	- -	- -	- -	- -	- -	0.04
BT3	- -	- -	- -	- -	- -	- -
RI1	0.19	- -	- -	- -	- -	- -
RI2	- -	0.17	- -	- -	- -	- -
RI3	- -	- -	0.22	- -	- -	- -
RI4	- -	- -	- -	0.19	- -	- -
BE1	- -	- -	- -	- -	- -	- -
BE2	- -	- -	- -	- -	- -	- -
BE3	- -	- -	- -	- -	- -	- -
BE4	- -	- -	- -	- -	- -	- -

THETA-EPS

	BL3	BT1	BT2	BT3	RI1	RI2
BL3	0.11					
BT1	- -	0.08				
BT2	- -	- -	0.17			
BT3	- -	- -	- -	0.16		
RI1	- -	- -	- -	0.06	0.37	
RI2	- -	- -	-0.04	- -	- -	0.30
RI3	- -	- -	- -	- -	- -	- -
RI4	- -	- -	- -	- -	- -	- -
BE1	- -	- -	- -	- -	- -	- -
BE2	- -	- -	- -	- -	- -	0.07
BE3	- -	- -	- -	- -	- -	- -
BE4	- -	- -	- -	- -	- -	- -

THETA-EPS

	RI3	RI4	BE1	BE2	BE3	BE4

RI3	0.38					
RI4	- -	0.39				
BE1	- -	- -	0.26			
BE2	- -	- -	- -	0.22		
BE3	- -	- -	- -	- -	0.32	
BE4	- -	- -	- -	- -	- -	0.39

THETA-DELTA-EPS

	BI1	BI2	BI3	BI4	BL1	BL2
BEX1	- -	- -	- -	- -	- -	- -
BEX2	- -	- -	- -	- -	- -	- -
BEX3	- -	- -	- -	- -	- -	- -
BEX4	- -	- -	- -	- -	- -	- -
BEX5	- -	- -	- -	- -	- -	- -
BEX6	- -	- -	- -	- -	- -	- -
BEX7	- -	- -	- -	- -	- -	- -
BEX8	- -	- -	- -	- -	- -	- -
BEX9	- -	- -	- -	- -	- -	- -
BC1	- -	- -	- -	- -	- -	- -
BC2	- -	- -	- -	- -	- -	- -
BC3	- -	- -	- -	- -	- -	- -

THETA-DELTA-EPS

	BL3	BT1	BT2	BT3	RI1	RI2
BEX1	- -	- -	- -	- -	- -	- -
BEX2	- -	- -	- -	- -	- -	- -
BEX3	- -	- -	- -	- -	- -	- -
BEX4	- -	- -	- -	- -	- -	- -
BEX5	- -	- -	- -	- -	- -	- -
BEX6	- -	- -	0.05	- -	- -	- -
BEX7	- -	- -	- -	- -	- -	- -
BEX8	- -	0.04	- -	- -	- -	- -
BEX9	- -	- -	- -	- -	- -	- -
BC1	- -	- -	- -	- -	- -	- -
BC2	- -	- -	- -	- -	- -	- -
BC3	- -	- -	- -	- -	- -	- -

THETA-DELTA-EPS

	RI3	RI4	BE1	BE2	BE3	BE4
BEX1	- -	- -	- -	- -	- -	- -
BEX2	- -	- -	- -	- -	- -	- -
BEX3	- -	- -	- -	- -	- -	- -
BEX4	- -	- -	- -	- -	- -	- -
BEX5	- -	- -	- -	- -	- -	- -
BEX6	- -	- -	- -	- -	- -	- -
BEX7	- -	- -	- -	- -	- -	- -
BEX8	- -	- -	- -	- -	- -	- -
BEX9	- -	- -	- -	- -	- -	- -
BC1	- -	- -	- -	- -	- -	- -
BC2	- -	- -	- -	- -	- -	- -

BC3 - - - - - - - - - - - -

THETA-DELTA

	BEX1	BEX2	BEX3	BEX4	BEX5	BEX6
BEX1	0.34					
BEX2	- -	0.30				
BEX3	- -	- -	0.41			
BEX4	- -	- -	0.13	0.37		
BEX5	- -	- -	- -	- -	0.36	
BEX6	- -	- -	- -	- -	- -	0.42
BEX7	-0.08	-0.08	- -	- -	0.07	- -
BEX8	- -	-0.07	- -	- -	- -	- -
BEX9	- -	- -	- -	- -	0.10	- -
BC1	- -	- -	- -	- -	- -	- -
BC2	- -	- -	- -	- -	- -	- -
BC3	- -	- -	- -	- -	- -	- -

THETA-DELTA

	BEX7	BEX8	BEX9	BC1	BC2	BC3
BEX7	0.29					
BEX8	- -	0.31				
BEX9	0.08	0.13	0.47			
BC1	- -	- -	- -	0.22		
BC2	- -	- -	- -	- -	0.16	
BC3	- -	- -	- -	- -	- -	0.13

Regression Matrix ETA on KSI (Standardized)

	BEX	BC
BI	0.00	- -
BL	0.22	0.04
BT	0.00	0.15
RI	0.13	0.02
BE	0.00	- -

Time used: 0.328 Seconds

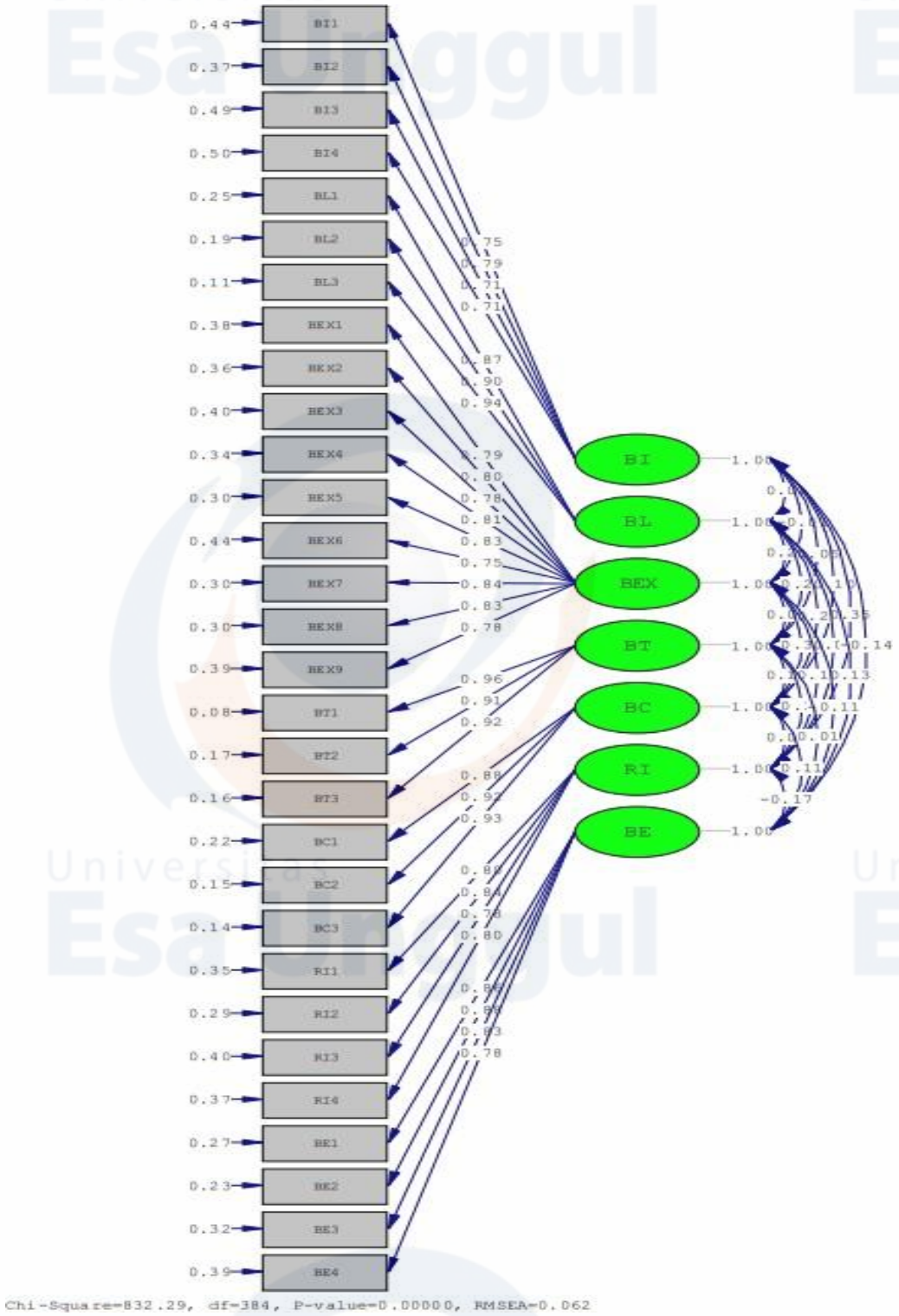
Tabel 13. Data hasil analisis *Goodness of Fit*

No	Indikator	*Value*	Keterangan
1.	*Degree of Freedom*	376	*Good fit*
	Chi Square	497,48	
	NCP	105,85	
	Confidence Interval	53.49 ; 166.34	
2.	RMSEA	0,031	*Close fit*
	Confidence Interval	0.022 ; 0.038	
	P Value	1,00	
3.	ECVI *Model*	2,21	*Good fit*
	ECVI *Saturated*	3,11	
	ECVI *Independence*	35,10	
	Confidence Interval	2.03 ; 2.41	
4.	AIC *Model*	659.85	*Good fit*
	AIC *Saturated*	930.00	
	AIC *Independence*	10495.83	
	CAIC *Model*	1078.48	
	CAIC *Saturated*	3117.26	
	CAIC *Independence*	10636.94	
5.	NFI	0,95	*Good fit*
	CFI	0,99	
	NNFI	0,99	
	IFI	0,99	
	RFI	0,94	
	PNFI	0,82	
6.	*Critical N*	267,09	*Marginal fit*
7.	GFI	0,90	*Good fit*
	Standardized RMR	0,058	
	AGFI	0,88	
	PGFI	0,73	

Sumber: hasil uji SEM (2022)

Lampiran 7 :

Path Diagram *Standardized Solution*



Gambar 3. Diagram *Standadized Solution*

Tabel 14. ***Construct Reliability*** **(*CR*) dan** ***Variance Extrac (VE)***

INDIKATOR	Standard Loading	ERROR	∑ Standard Loading	(∑ Standard Loading)2	∑ Error	CR	∑(Standard Loading)2	AVE
BI1	0.75	0.44	2.96	8.762	1.800	0.830	2.195	0.549
BI2	0.79	0.37						
BI3	0.71	0.49						
BI4	0.71	0.50						
BL1	0.87	0.25	2.71	7.344	0.550	0.930	2.451	0.817
BL2	0.90	0.19						
BL3	0.94	0.11						
BEX1	0.79	0.38	5.57	31.025	2.470	0.926	4.438	0.642
BEX2	0.80	0.36						
BEX5	0.78	0.30						
BEX6	0.75	0.44						
BEX7	0.84	0.30						
BEX8	0.83	0.30						
BEX9	0.78	0.39						
BT1	0.96	0.08	2.79	7.784	0.410	0.950	2.596	0.864
BT2	0.91	0.17						
BT3	0.92	0.16						
BC1	0.88	0.22	2.73	7.453	0.510	0.936	2.486	0.830
BC2	0.92	0.15						
BC3	0.93	0.14						
RI1	0.80	0.35	3.22	10.368	1.410	0.880	2.594	0.648
RI2	0.84	0.29						
RI3	0.78	0.40						
RI4	0.80	0.37						
BE1	0.86	0.27	3.35	11.223	1.210	0.903	2.811	0.699
BE2	0.88	0.23						
BE3	0.83	0.32						
BE4	0.78	0.39						

Sumber: Data Olahan SEM Lisrel

Lampiran 8

Sekilas Bio Data Penulis

Melliyana Anggraeni, dilahirkan di Tangerang, 03 Mei 2000. Sebagai anak pertama dari Bapak Tusa dan Ibu Suherni, penulis sejak usia pendidikan Sekolah Dasar sudah dibimbing untuk menjadi pribadi yang mandiri. Penulis pernah menempuh pendidikan SDN III Balaraja, dan melanjutkan ke jenjang SMP Negeri 2 Balaraja kemudian melanjutkan SMA Negeri 19 Kab.Tangerang. Setelah lulus dari SMA, penulis langsung menempuh ke jenjang Perguruan Tinggi di Universitas Esa Unggul dengan mengambil S1 jurusan manajemen. Penulis sejak awal perkuliahan, telah aktif pada kegiatan-kegiatan diluar akademis khususnya kegiatan class makeup di bidang minat dan bakat.

Kepeminatan yang tinggi akan manajemen mendorong penulis melanjutkan pendidikannya ke jenjang sarjana pada program studi Sarjana Manajemen di Fakultas Ekonomi dan Bisnis Universitas Esa Unggul. Dengan mengucap syukur ke hadirat Allah SWT, Penulis berharap agar tulisan/tugas akhir ini dapat memberikan manfaat bagi banyak pihak dan memberikan kontribusi positif pada bidang keilmuan, khususnya manajemen.

LAMPIRAN 9
Hasil Cek Turnitin

Skripsi_Melliyana_Anggraeni.docx

ORIGINALITY REPORT

17%	14%	8%	5%
SIMILARITY INDEX	INTERNET SOURCES	PUBLICATIONS	STUDENT PAPERS

PRIMARY SOURCES

1	ejurnal.umri.ac.id Internet Source	2%
2	repository.ub.ac.id Internet Source	2%
3	polynoe.lib.uniwa.gr Internet Source	1%
4	Submitted to Fakultas Ekonomi Universitas Indonesia Student Paper	1%
5	Kuo-Ning Liu, Tung-I Tsai, Qu Xiao, Clark Hu. "The impact of experience on brand loyalty: Mediating effect of images of Taiwan hotels", Journal of China Tourism Research, 2020 Publication	1%
6	ejournal3.undip.ac.id Internet Source	1%
7	dspace.uii.ac.id Internet Source	1%
8	Submitted to STIE Perbanas Surabaya Student Paper	1%

9	Submitted to Universitas Negeri Jakarta Student Paper	1 %
10	Submitted to St. Ursula Academy High School Student Paper	<1 %
11	Submitted to Surabaya University Student Paper	<1 %
12	www.kopertis6.or.id Internet Source	<1 %
13	jurnal.stiebi.ac.id Internet Source	<1 %
14	Submitted to Universitas Pelita Harapan Student Paper	<1 %
15	ejournal.bsi.ac.id Internet Source	<1 %
16	Submitted to Trisakti University Student Paper	<1 %
17	lib.ibs.ac.id Internet Source	<1 %
18	hdl.handle.net Internet Source	<1 %
19	Aulia Khairunisa, Puspita Chairun Nisa. "Pengaruh Kepuasan Konsumen terhadap Brand Produk Minuman Boba Xing Fu Tang",	<1 %

	Jurnal Ecodemica : Jurnal Ekonomi Manajemen dan Bisnis, 2022 Publication	
20	Submitted to Universitas International Batam Student Paper	<1%
21	Submitted to Universitas Muhammadiyah Surakarta Student Paper	<1%
22	repository.wima.ac.id Internet Source	<1%
23	etheses.uin-malang.ac.id Internet Source	<1%
24	eprints.uny.ac.id Internet Source	<1%
25	repository.unj.ac.id Internet Source	<1%
26	administrasibisnis.studentjournal.ub.ac.id Internet Source	<1%
27	adoc.pub Internet Source	<1%
28	jurnal.kwikkiangie.ac.id Internet Source	<1%
29	pranayauttama.blogspot.com Internet Source	<1%
	www.repository.trisakti.ac.id	

30	Internet Source	<1%
31	Ali Wardhana, Yulia Yulia. "PENGARUH KEMUDAHAN PENGGUNAAN, NILAI TIDAK TERGANTIKAN, KUALITAS SISTEM, KESADARAN TEKNOLOGI DAN DESAIN VISUAL TERHADAP POSITIF WORD OF MOUTH DAN NIAT PEMBELIAN ULANG DENGAN MEDIASI LOYALITAS MEREK", Managament Insight: Jurnal Ilmiah Manajemen, 2020 Publication	<1%
32	Firdha Alwani Lestari, Febriansyah Nataly. "Studi Deskriptif Kualitatif Loyalitas Brand Wardah di Sekolah Tinggi Ilmu Kesehatan Indonesia Maju", Jurnal Ilmiah Komunikasi (JIKOM) STIKOM IMA, 2020 Publication	<1%
33	Kuo- Ning Liu, Clark Hu. "Investigating the Impacts of Hotel Brand Experience on Brand Loyalty: The Mediating Role of Brand Positioning", International Journal of Hospitality & Tourism Administration, 2021 Publication	<1%
34	alkitab.sabda.org Internet Source	<1%
35	eprints.undip.ac.id Internet Source	<1%

36	repositorio.unifei.edu.br Internet Source	<1 %
37	repository.trisakti.ac.id Internet Source	<1 %
38	repository.unika.ac.id Internet Source	<1 %
39	repository.usd.ac.id Internet Source	<1 %
40	Maria Angela Diva. "THE ANTECEDENTS GREEN BRAND EQUITY OF GREEN COSMETICS", Managament Insight: Jurnal Ilmiah Manajemen, 2020 Publication	<1 %
41	Praxis der Viszeralchirurgie, 2013. Publication	<1 %
42	publikationen.bibliothek.kit.edu Internet Source	<1 %
43	Mega Aulianda. "PENGARUH BRAND EXPERIENCE DAN BRAND IMAGE TERHADAP WILLINGNESS TO PAY A PRICE PREMIUM DENGAN BRAND LOVE SEBAGAI VARIABEL INTERVENING (Studi Pada Pemilik Mobil Merek Honda HRV di Samarinda)", Jurnal Riset Entrepreneurship, 2020 Publication	<1 %
	journal.ubaya.ac.id	

44	Internet Source	<1%
45	repository.upstegal.ac.id Internet Source	<1%

Exclude quotes	On	Exclude matches	Off
Exclude bibliography	On		