

Lampiran I

KUISONER PENELITIAN ANALISIS FAKTOR-FAKTOR PENYEBAB KETIDAK LAYAKAN FASILITAS UTILITAS BANGUNAN GEDUNG

(studikasusgedung Nusantara Universitas Yudharta Pasuruan)

NAMA	
ALAMAT	
JABATAN	

1. Apakah sumber mata air di gedung nusantara mencukupi kebutuhan?
 - a. Sangat kurang
 - b. Kurang
 - c. Cukup
 - d. Sangat cukup
2. Apakah tanggapan kemampuan air mencukupi untuk menyuplai sistem plambing yang ada di gedung nusantara?
 - a. Sangat kurang
 - b. Kurang
 - c. Cukup
 - d. Sangat cukup
3. Bagaimana kondisi air di gedung nusantara ?
 - a. Tidak baik
 - b. Kurang baik
 - c. Baik
 - d. Sangat baik
4. Bagaimana kondisi sistem instalasi plambing di gedung nusantara?
 - a. Tidak baik
 - b. Kurang baik

- c. Baik
 - d. Sangatbaik
5. Bagaimanasisteminstalasi pembuangan akhir di gedung nusantara?
- a. Tidakbaik
 - b. Kurangbaik
 - c. Baik
 - d. Sangatbaik
6. Apakah air di gedung nusantara di lakukan pengolahan terlebih dahulu?
- a. Sangat tidak setuju
 - b. Kurang setuju
 - c. Setuju
 - d. Sangat setuju
7. Apakah saran dan prasarana instalasi plambing terpuhi?
- a. Sangat tidak setuju
 - b. Kurang setuju
 - c. Setuju
 - d. Sangat setuju
8. Apakah ada fasilitas khusus untuk penyandang cacat?
- a. Sangat tidak setuju
 - b. Kurang setuju
 - c. Setuju
 - d. Sangat setuju
9. Apakah sistem instalasi plambing di gedung nusantara dapat menjamin keamanan dan kenyamanan anda?
- a. Sangat tidak setuju
 - b. Kurang setuju
 - c. Setuju
 - d. Sangat setuju
10. Bagaimana kondisi toilet dan kamar mandi di gedung nusantara ?
- a. Tidakbaik

- b. Kurangbaik
- c. Baik
- d. Sangatbaik

11. Bagaimanakondisiketersediaan air padakondisibanyakorang ?
- a. Tidakbaik
 - b. Kurangbaik
 - c. Baik
 - d. Sangatbaik
12. apakahkebersihan di fasilitasplambingselaludilakukanpengecekansecaraberkala?
- a. Sangattidaksetuju
 - b. Kurangsetuju
 - c. Setuju
 - d. Sangatsetuju
13. Apakahsaluranpembuanganselaludilakukanpengecekansecaraberkala?
- a. Sangattidaksetuju
 - b. Kurangsetuju
 - c. Setuju
 - d. Sangatsetuju
14. Apakahkapasitas lift tercukupidenganlalulintas orang setiaphari?
- a. Sangattidaksetuju
 - b. Kurangsetuju
 - c. Setuju
 - d. Sangatsetuju
15. Apakahdengankapasitas lift tersebutmampumengangkutdenganmaksimal yang diizinkan?
- a. Sangattidaksetuju
 - b. Kurangsetuju
 - c. Setuju
 - d. Sangatsetuju

16. Apakah fasilitas keamanan dan kenyamanan dalam lift tercukupi?
 - a. Sangat tidak setuju
 - b. Kurang setuju
 - c. Setuju
 - d. Sangat setuju
17. Apakah naik dan turunnya lift terlalu lama ?
 - a. Sangat tidak setuju
 - b. Kurang setuju
 - c. Setuju
 - d. Sangat setuju
18. Apakah fasilitas lift tersedia bagi penyandang cacat / difabel
 - a. Sangat tidak setuju
 - b. Kurang setuju
 - c. Setuju
 - d. Sangat setuju
19. Apakah fasilitas lift tersedia untuk barang
 - a. Sangat tidak setuju
 - b. Kurang setuju
 - c. Setuju
 - d. Sangat setuju
20. Apakah lift tersebut di lakukan pemeliharaan secara berkala?
 - a. Sangat tidak setuju
 - b. Kurang setuju
 - c. Setuju
 - d. Sangat setuju
21. Apakah lift mampu melayani pada kondisi banyak orang ?
 - a. Sangat tidak setuju
 - b. Kurang setuju
 - c. Setuju
 - d. Sangat setuju
22. Bagaimana kondisi lift di gedung nusantara?

- a. Tidakbaik
 - b. Kurangbaik
 - c. Baik
 - d. Sangatbaik
23. Apakahkeberihan di fasilitas lift selaludalamkondisibersih?
- a. Sangattidaksetuju
 - b. Kurangsetuju
 - c. Setuju
 - d. Sangatsetuju
24. Apakahkapasitaslif di gedungnusantaramencukupi?
- a. Sangattidaksetuju
 - b. Kurangsetuju
 - c. Setuju
 - d. Sangatsetuju
25. Apakahjumlahpenggunadalamaturuangantidakmelebehikapasitasruangan ?
- a. Sangattidaksetuju
 - b. Kurangsetuju
 - c. Setuju
 - d. Sangatsetuju
26. Apakahluasbangunankelasandamencukupi?
- a. Sangattidaksetuju
 - b. Kurangsetuju
 - c. Setuju
 - d. Sangatsetuju
27. Apakahjumlahbuakaanjendelaatercukupiuntukpengudaraan?
- a. Sangattidaksetuju
 - b. Kurangsetuju
 - c. Setuju
 - d. Sangatsetuju
28. Bagaimanakondisi di ruangkelasanda?
- a. Tidakbaik
 - b. Kurangbaik

- c. Baik
 - d. Sangatbaik
29. Apakah ruangan anda selalu di lakukan pemeliharaan?
- a. Sangat tidak setuju
 - b. Kurang setuju
 - c. Setuju
 - d. Sangat setuju
30. Bagaimana sistem pengudaraan alami di ruang kelas anda?
- a. Tidak baik
 - b. Kurang baik
 - c. Baik
 - d. Sangat baik
31. Bagaimana sistem pengudaraan buatan di ruangan anda?
- a. Tidak baik
 - b. Kurang baik
 - c. Baik
 - d. Sangat baik
32. Apakah anda merasa kurang segar pada fasilitas pengudaraan di gedung nusantara?
- a. Sangat tidak setuju
 - b. Kurang setuju
 - c. Setuju
 - d. Sangat setuju
33. Bagaimana kondisi sistem pengudaraan alami di gedung nusantara?
- a. Tidak baik
 - b. Kurang baik
 - c. Baik
 - d. Sangat baik
34. Bagaimana kondisi sistem pengudaraan buatan di gedung nusantara?
- a. Tidak baik
 - b. Kurang baik

- c. Baik
 - d. Sangatbaik
35. Apakah terdapat sistem pengudaraan buatan pada setiap ruangan di gedung nusantara?
- a. Sangat tidak setuju
 - b. Kurang setuju
 - c. Setuju
 - d. Sangat setuju
36. Bagaimana kondisi pengudaraan di ruangan pada gedung nusantara?
- a. Tidak baik
 - b. Kurang baik
 - c. Baik
 - d. Sangat baik
37. Apakah kapasitas lampu penerangan mencukupi?
- a. Sangat tidak setuju
 - b. Kurang setuju
 - c. Setuju
 - d. Sangat setuju
38. Apakah lampu penerangan berfungsi sesuai dengan fungsi bangunan?
- a. Sangat tidak setuju
 - b. Kurang setuju
 - c. Setuju
 - d. Sangat setuju
39. Apakah kapasitas lampu penerangan sudah sesuai ?
- a. Sangat tidak setuju
 - b. Kurang setuju
 - c. Setuju
 - d. Sangat setuju
40. Apakah jumlah lampu di setiap ruangan sudah sesuai dengan luas ruangan?
- a. Sangat tidak setuju
 - b. Kurang setuju
 - c. Setuju

- d. Sangatsetuju
41. Bagaimanakondisipencahayaanalami?
- a. Tidakbaik
 - b. Kurangbaik
 - c. Baik
 - d. Sangatbaik
42. Bagaimanakondisipencahayaanbuatan?
- a. Tidakbaik
 - b. Kurangbaik
 - c. Baik
 - d. Sangatbaik
43. Apakahsistempencahayaanalami di gedungnusanterlaluberlebihan?
- a. Sangattidaksetuju
 - b. Kurangsetuju
 - c. Setuju
 - d. Sangatsetuju
44. Apakahdamerasakanpanas yang berlebihan di akibatkanpencahayaanalami?
- a. Sangattidaksetuju
 - b. Kurangsetuju
 - c. Setuju
 - d. Sangatsetuju
45. Apakahsistempencahayaan di gedungnusantamerata?
- a. Sangattidaksetuju
 - b. Kurangsetuju
 - c. Setuju
 - d. Sangatsetuju

46. Apakah anda merasakan kelelahan yang diakibatkan oleh sistem pencahayaan?
- a. Sangat tidak setuju
 - b. Kurang setuju
 - c. Setuju
 - d. Sangat setuju

Pasuruan2020

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Lampiran II

HASIL SKORING DATA

SISTEM INSTALASI PLUMBING					
NO	X1	X2	X3	X4	Y1
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LANJUTAN. HASIL SKORING DATA

SISTEM INSTALASI MOBILITAS / LIFT						
NO	X1	X2	X3	X4	X5	Y1
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26	3	4	4	3	4	4
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LANJUTAN. HASIL SKORING DATA

SISTEM INSTALASI PENGUDARAAN

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LANJUTAN. HASIL SKORING DATAh

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82	2	2	2
83	3	3	4



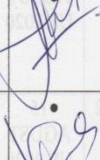
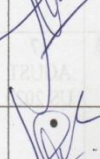
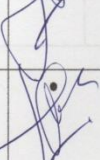
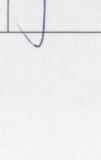
84	3	2	2
85	2	2	2
86	3	3	4
87	3	3	3
88	3	2	3
89	3	2	2
90	3	3	3
91	3	3	3
92	2	2	2
93	2	2	2
94	2	1	1
95	3	3	3
96	3	3	2
97	2	1	2
98	2	1	1
99	2	2	2
100	2	3	3






Lampiran III

Lembar bimbingan

Nama : Sofiyon Sobirin
NIM : 201669010019
Jurusan : Teknik Sipil
Konsentrasi : Utilitas Bangunan
Judul : Study Kelayakan Fasilitas Utilitas Pada Gedung Nusantara Universitas Yudharta Pasuruan

NO	Tanggal	BAB	Materi Bimbingan	TTD doen pembimbing
1	20 JUNI 2020	I	<ul style="list-style-type: none">• Revisi• Membenarkan rumusan masalah• Tujuan• Batasan masalah• Latar belakang	<ul style="list-style-type: none">• 
2	25 JUNI 2020	II	<ul style="list-style-type: none">• Revisi kajian tori• Penelitian terdahulu• Penambahan materi	<ul style="list-style-type: none">• 

15 JULI 2020	III	<ul style="list-style-type: none"> • Alur penelitian • Krangka penelitian • Metode penelitian 	• 
20 JULI 2020	III	<ul style="list-style-type: none"> • Metode penelitian • Materi metode penelitian 	• 
25 JULI 2020	III	<ul style="list-style-type: none"> • Metode penelitian • Skoreng data • Analisis data 	• 
27 JULI 2020	III	<ul style="list-style-type: none"> • Variable X dan Y • Kuisioner • Tahap pengumpulan 	• 
28 JULI 2020	IV	<ul style="list-style-type: none"> • Tahap pengumpulan data • Skoring data • Analisis data 	• 
4 AGUST US 2020	IV	<ul style="list-style-type: none"> • Revisi uji validitas dan reliabelitas • Dan skoring data 	• 

9	6 AGUST US 2020	IV	<ul style="list-style-type: none"> • Revisi skoring data • Tabulasi data • Revisi uji analisis 	<ul style="list-style-type: none"> • 
10	10 AGUST US 2020	IV	<ul style="list-style-type: none"> • Revisi validitas • Reliabilitas • Analisis faktor • Regresi • Hoptesa 	<ul style="list-style-type: none"> • 
11	13 AGUST US 2020	IV	<ul style="list-style-type: none"> • revisi input data • revisi total • skroing data • tabualasi 	<ul style="list-style-type: none"> • 
12	15 AGUST US 2020	IV	<ul style="list-style-type: none"> • uji validitas • relibelitas • regresi • nanlisis faktor 	<ul style="list-style-type: none"> • 
13	17 AGUST US 2020	V	<ul style="list-style-type: none"> • revis kesimpulan • sesuaikan dengan rumusan masalah 	<ul style="list-style-type: none"> • 

“Halaman ini sengaja dikosongkan”

Lampiran IV

Hasil uji SPSS

- Sistem instalasi plumbing
- Sumber air baku (X1)

Correlations

		X1.1	X1.2	X1.3	TOTAL
X1.1	Pearson Correlation	1	.642**	.659**	.880**
	Sig. (2-tailed)		.000	.000	.000
	N	100	99	100	100
X1.2	Pearson Correlation	.642**	1	.560**	.845**
	Sig. (2-tailed)	.000		.000	.000
	N	99	99	99	99
X1.3	Pearson Correlation	.659**	.560**	1	.850**
	Sig. (2-tailed)	.000	.000		.000
	N	100	99	100	100
TOTAL	Pearson Correlation	.880**	.845**	.850**	1
	Sig. (2-tailed)	.000	.000	.000	
	N	100	99	100	100

** . Correlation is significant at the 0.01 level (2-tailed).

Case Processing Summary

		N	%
Cases	Valid	99	99.0
	Excluded ^a	1	1.0
	Total	100	100.0

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

Reliability Statistics

Cronbach's Alpha	N of Items
.829	3

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
X1.1	4.77	2.323	.736	.716
X1.2	4.83	2.429	.658	.792
X1.3	4.71	2.230	.671	.782

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.	.695
Bartlett's Test of Sphericity	Approx. Chi-Square
	105.892
	df
	3

Sig.	.000
------	------

Anti-image Matrices

		X1.1	X1.2	X1.3
Anti-image Covariance	X1.1	.459	-.227	-.252
	X1.2	-.227	.594	-.105
	X1.3	-.252	-.105	.547
Anti-image Correlation	X1.1	.649 ^a	-.434	-.504
	X1.2	-.434	.746 ^a	-.184
	X1.3	-.504	-.184	.709 ^a

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
X1.1	1.000	.798
X1.2	1.000	.684
X1.3	1.000	.718

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	2.20 0	73.321	73.321	2.200	73.321	73.321
2	.485	16.182	89.502			
3	.315	10.498	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix^a

	Component
	1
X1.1	.893
X1.2	.827
X1.3	.847

Extraction Method: Principal
Component Analysis.

a. 1 components extracted.

- Instalasi plumbing (X2)

Correlations

		X1.1	X1.2	X1.3	TOTAL
X1.1	Pearson Correlation	1	.573**	.626**	.831**
	Sig. (2-tailed)		.000	.000	.000
	N	100	100	100	100
X1.2	Pearson Correlation	.573**	1	.721**	.885**
	Sig. (2-tailed)	.000		.000	.000
	N	100	100	100	100
X1.3	Pearson Correlation	.626**	.721**	1	.899**
	Sig. (2-tailed)	.000	.000		.000
	N	100	100	100	100
TOTAL	Pearson Correlation	.831**	.885**	.899**	1
	Sig. (2-tailed)	.000	.000	.000	
	N	100	100	100	100

** . Correlation is significant at the 0.01 level (2-tailed).

Case Processing Summary

		N	%
Cases	Valid	100	100.0
	Excluded ^a	0	.0
	Total	100	100.0

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

Reliability Statistics

Cronbach's Alpha	N of Items
.842	3

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
X1.1	4.82	2.472	.646	.837
X1.2	4.80	2.101	.720	.769
X1.3	4.84	2.136	.762	.726

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.	.708
Bartlett's Test of Sphericity Approx. Chi-Square	124.675
df	3
Sig.	.000

Anti-image Matrices

		X2.1	X2.2	X2.3
Anti-image Covariance	X2.1	.577	-.115	-.183
	X2.2	-.115	.456	-.246
	X2.3	-.183	-.246	.413
Anti-image Correlation	X2.1	.790 ^a	-.225	-.376
	X2.2	-.225	.695 ^a	-.567
	X2.3	-.376	-.567	.664 ^a

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
X2.1	1.000	.695
X2.2	1.000	.774
X2.3	1.000	.813

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	2.282	76.070	76.070	2.282	76.070
2	.445	14.831	90.901			
3	.273	9.099	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix^a

	Component
	1
X2.1	.834
X2.2	.880
X2.3	.902

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

- Saranadanprasarana (X3)

Correlations

		X3.1	X3.2	X3.3	TOTAL
X3.1	Pearson Correlation	1	.521**	.519**	.838**
	Sig. (2-tailed)		.000	.000	.000
	N	100	100	100	100
X3.2	Pearson Correlation	.521**	1	.453**	.784**
	Sig. (2-tailed)	.000		.000	.000
	N	100	100	100	100
X3.3	Pearson Correlation	.519**	.453**	1	.824**
	Sig. (2-tailed)	.000	.000		.000
	N	100	100	100	100
TOTAL	Pearson Correlation	.838**	.784**	.824**	1
	Sig. (2-tailed)	.000	.000	.000	

N	100	100	100	100
---	-----	-----	-----	-----

** . Correlation is significant at the 0.01 level (2-tailed).

Case Processing Summary

		N	%
Cases	Valid	100	100.0
	Excluded ^a	0	.0
	Total	100	100.0

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

Reliability Statistics

Cronbach's Alpha	N of Items
.746	3

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
X3.1	4.41	2.265	.609	.616
X3.2	4.48	2.676	.558	.683
X3.3	4.81	2.236	.559	.682

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.	.686
Bartlett's Test of Sphericity Approx. Chi-Square	67.616
df	3
Sig.	.000

Anti-image Matrices

		X3.1	X3.2	X3.3
Anti-image Covariance	X3.1	.627	-.246	-.244
	X3.2	-.246	.683	-.171
	X3.3	-.244	-.171	.685
Anti-image Correlation	X3.1	.659 ^a	-.376	-.372
	X3.2	-.376	.701 ^a	-.249
	X3.3	-.372	-.249	.703 ^a

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
X3.1	1.000	.705
X3.2	1.000	.647
X3.3	1.000	.645

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	1.996	66.544	66.544	1.996	66.544
2	.547	18.244	84.788			
3	.456	15.212	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix^a

	Component
	1
X3.1	.839
X3.2	.804
X3.3	.803

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

- Oprasionalpemeliharaan (X4)

Correlations

		X4.1	X4.2	TOTAL
X4.1	Pearson Correlation	1	.530**	.877**
	Sig. (2-tailed)		.000	.000
	N	100	100	100
X4.2	Pearson Correlation	.530**	1	.872**
	Sig. (2-tailed)	.000		.000
	N	100	100	100
TOTAL	Pearson Correlation	.877**	.872**	1
	Sig. (2-tailed)	.000	.000	
	N	100	100	100

** . Correlation is significant at the 0.01 level (2-tailed).

Case Processing Summary

		N	%
Cases	Valid	100	100.0
	Excluded ^a	0	.0
	Total	100	100.0

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

Reliability Statistics

Cronbach's Alpha	N of Items
.693	2

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
X4.1	2.41	.689	.530	.
X4.2	2.49	.717	.530	.

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.	.500
Bartlett's Test of Sphericity Approx. Chi-Square	32.223
df	1
Sig.	.000

Anti-image Matrices

		X4.1	X4.2
Anti-image Covariance	X4.1	.719	-.381
	X4.2	-.381	.719
Anti-image Correlation	X4.1	.500 ^a	-.530
	X4.2	-.530	.500 ^a

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
X4.1	1.000	.765
X4.2	1.000	.765

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	1.530	76.525	76.525	1.530	76.525	76.525
2	.470	23.475	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix^a

	Component
	1
X4.1	.875
X4.2	.875

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

- Kelayakanplumbing (Y)

Correlations

		Y1	Y2	Y3	TOTAL
Y1	Pearson	1	.562**	.506**	.809**
	Correlation				
	Sig. (2-tailed)				
	N				
Y2	Pearson	.562**	1	.686**	.886**
	Correlation				
	Sig. (2-tailed)				
	N				
Y3	Pearson	.506**	.686**	1	.854**
	Correlation				
	Sig. (2-tailed)				
	N				
TOTAL	Pearson	.809**	.886**	.854**	1
	Correlation				
	Sig. (2-tailed)				
	N				

** . Correlation is significant at the 0.01 level (2-tailed).

Case Processing Summary

		N	%
Cases	Valid	99	99.0
	Excluded ^a	1	1.0
	Total	100	100.0

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

Reliability Statistics

Cronbach's Alpha	N of Items
.809	3

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
Y1	4.94	2.690	.581	.813
Y2	4.71	2.250	.720	.669
Y3	4.58	2.451	.676	.718

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.	.686
Bartlett's Test of Sphericity	Approx. Chi-Square
	df
	Sig.
	101.285
	3
	.000

Anti-image Matrices

		Y1	Y2	Y3
Anti-image Covariance	Y1	.658	-.191	-.114
	Y2	-.191	.467	-.275
	Y3	-.114	-.275	.509

Anti-image Correlation	Y1	.784 ^a	-.344	-.196
	Y2	-.344	.643 ^a	-.564
	Y3	-.196	-.564	.670 ^a

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
Y1	1.000	.636
Y2	1.000	.789
Y3	1.000	.745

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	2.170	72.345	72.345	2.170	72.345	72.345
2	.521	17.381	89.726			
3	.308	10.274	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix^a

	Component
	1
Y1	.797
Y2	.888
Y3	.863

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

- Regresisisteminstalasi plumbing

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.812 ^a	.659	.644	.476

a. Predictors: (Constant), X4, X3, X1, X2

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	41.516	4	10.379	45.810	.000 ^b
	Residual	21.524	95	.227		
	Total	63.040	99			

a. Dependent Variable: Y1

b. Predictors: (Constant), X4, X3, X1, X2

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1 (Constant)	.089	.204		.436	.664
X1	.492	.098	.464	5.019	.000
X2	-.082	.107	-.077	-.762	.448
X3	.501	.086	.481	5.814	.000
X4	.055	.097	.051	.569	.570

a. Dependent Variable: Y1

- Sistem instalasi pengudaraan
- Kapasitas ruangan (X1)

Correlations

		X1.1	X1.2	TOTAL
X1.1	Pearson Correlation	1	.538**	.842**
	Sig. (2-tailed)		.000	.000
	N	100	100	100
X1.2	Pearson Correlation	.538**	1	.908**
	Sig. (2-tailed)	.000		.000
	N	100	100	100
TOTAL	Pearson Correlation	.842**	.908**	1
	Sig. (2-tailed)	.000	.000	
	N	100	100	100

** . Correlation is significant at the 0.01 level (2-tailed).

Case Processing Summary

		N	%
Cases	Valid	100	100.0
	Excluded ^a	0	.0
	Total	100	100.0

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

Reliability Statistics

Cronbach's Alpha	N of Items
.685	2

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
X1.1	2.62	.945	.538	.
X1.2	2.58	.569	.538	.

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.500
Bartlett's Test of Sphericity	Approx. Chi-Square	33.261
	df	1
	Sig.	.000

Anti-image Matrices

		X1.1	X1.2
Anti-image Covariance	X1.1	.711	-.382
	X1.2	-.382	.711
Anti-image Correlation	X1.1	.500 ^a	-.538
	X1.2	-.538	.500 ^a

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
X1.1	1.000	.769
X1.2	1.000	.769

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	1.538	76.881	76.881	1.538	76.881
2	.462	23.119	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix^a

	Component
	1
X1.1	.877
X1.2	.877

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

- Saranadanprasarana (X2)

Correlations

		X2.1	X2.2	TOTAL
X2.1	Pearson Correlation	1	.557**	.897**
	Sig. (2-tailed)		.000	.000
	N	100	100	100
X2.2	Pearson Correlation	.557**	1	.867**
	Sig. (2-tailed)	.000		.000
	N	100	100	100
TOTAL	Pearson Correlation	.897**	.867**	1
	Sig. (2-tailed)	.000	.000	
	N	100	100	100

** . Correlation is significant at the 0.01 level (2-tailed).

Case Processing Summary

		N	%
Cases	Valid	100	100.0
	Excluded ^a	0	.0
	Total	100	100.0

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

Reliability Statistics

Cronbach's Alpha	N of Items
.712	2

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
X2.1	2.48	.737	.557	.
X2.2	2.59	.931	.557	.

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.	.500
Bartlett's Test of Sphericity Approx. Chi-Square	36.211
df	1
Sig.	.000

Anti-image Matrices

		X2.1	X2.2
Anti-image Covariance	X2.1	.690	-.384
	X2.2	-.384	.690
Anti-image Correlation	X2.1	.500 ^a	-.557
	X2.2	-.557	.500 ^a

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
X2.1	1.000	.778
X2.2	1.000	.778

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	1.557	77.849	77.849	1.557	77.849	77.849
2	.443	22.151	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix^a

	Component
	1
X2.1	.882
X2.2	.882

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

- KelayakansisteminstalasiPengudaraan

Correlations

		Y1	Y2	Y3	Y4	TOTAL
Y1	Pearson Correlation	1	.671**	.468**	.705**	.855**
	Sig. (2-tailed)		.000	.000	.000	.000
	N	100	100	100	100	100
Y2	Pearson Correlation	.671**	1	.523**	.585**	.826**
	Sig. (2-tailed)	.000		.000	.000	.000
	N	100	100	100	100	100
Y3	Pearson Correlation	.468**	.523**	1	.556**	.786**
	Sig. (2-tailed)	.000	.000		.000	.000
	N	100	100	100	100	100
Y4	Pearson Correlation	.705**	.585**	.556**	1	.850**
	Sig. (2-tailed)	.000	.000	.000		.000
	N	100	100	100	100	100
TOTAL	Pearson Correlation	.855**	.826**	.786**	.850**	1
	Sig. (2-tailed)	.000	.000	.000	.000	
	N	100	100	100	100	100

** . Correlation is significant at the 0.01 level (2-tailed).

Case Processing Summary

		N	%
Cases	Valid	100	100.0
	Excluded ^a	0	.0
	Total	100	100.0

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

Reliability Statistics

Cronbach's Alpha	N of Items
.843	4

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
Y1	7.47	4.292	.721	.782
Y2	7.54	4.776	.701	.794
Y3	7.69	4.458	.585	.849
Y4	7.54	4.635	.735	.779

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.	.773
Bartlett's Test of Sphericity	Approx. Chi-Square
	173.448
	df
	6

Sig.	.000
------	------

Anti-image Matrices

		Y1	Y2	Y3	Y4
Anti-image	Y1	.401	-.192	.001	-.206
Covariance	Y2	-.192	.488	-.147	-.051
	Y3	.001	-.147	.632	-.165
	Y4	-.206	-.051	-.165	.433
Anti-image	Y1	.730 ^a	-.434	.002	-.493
Correlation	Y2	-.434	.797 ^a	-.265	-.111
	Y3	.002	-.265	.825 ^a	-.315
	Y4	-.493	-.111	-.315	.764 ^a

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
Y1	1.000	.748
Y2	1.000	.705
Y3	1.000	.565
Y4	1.000	.743

Extraction Method: Principal

Component Analysis.

Total Variance Explained

Component	Initial Eigenvalues	Extraction Sums of Squared Loadings
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	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.761	69.023	69.023	2.761	69.023	69.023
2	.566	14.155	83.178			
3	.417	10.428	93.607			
4	.256	6.393	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix^a

	Component
	1
Y1	.865
Y2	.839
Y3	.751
Y4	.862

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

- RegresisisteminstalasiPengudaraan

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.794 ^a	.631	.615	.453

a. Predictors: (Constant), X4, X1, X2, X3

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	33.269	4	8.317	40.537	.000 ^b
	Residual	19.491	95	.205		
	Total	52.760	99			

a. Dependent Variable: Y1

b. Predictors: (Constant), X4, X1, X2, X3

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.529	.188		2.809	.006

X1	.274	.085	.292	3.207	.002
X2	.164	.082	.185	1.994	.049
X3	.032	.078	.039	.408	.684
X4	.378	.101	.386	3.741	.000

a. Dependent Variable: Y1

- Sistem instalasi pencahayaan
- Kapasitas ruangan (X1)

Correlations

		X1.1	X1.2	X1.3	TOTAL
X1.1	Pearson Correlation	1	.719**	.364**	.850**
	Sig. (2-tailed)		.000	.000	.000
	N	100	100	100	100
X1.2	Pearson Correlation	.719**	1	.424**	.878**
	Sig. (2-tailed)	.000		.000	.000
	N	100	100	100	100
X1.3	Pearson Correlation	.364**	.424**	1	.725**
	Sig. (2-tailed)	.000	.000		.000
	N	100	100	100	100
TOTAL	Pearson Correlation	.850**	.878**	.725**	1
	Sig. (2-tailed)	.000	.000	.000	
	N	100	100	100	100

** . Correlation is significant at the 0.01 level (2-tailed).

Case Processing Summary

		N	%
Cases	Valid	100	100.0
	Excluded ^a	0	.0
	Total	100	100.0

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

Reliability Statistics

Cronbach's Alpha	N of Items
.753	3

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
X1.1	5.08	2.297	.646	.595
X1.2	5.21	2.127	.692	.534
X1.3	5.41	2.790	.426	.836

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.	.615
Bartlett's Test of Sphericity	90.717
df	3
Sig.	.000

Anti-image Matrices

		X1.1	X1.2	X1.3
Anti-image Covariance	X1.1	.479	-.312	-.059
	X1.2	-.312	.453	-.152
	X1.3	-.059	-.152	.813
Anti-image Correlation	X1.1	.587 ^a	-.669	-.095
	X1.2	-.669	.577 ^a	-.251
	X1.3	-.095	-.251	.813 ^a

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
X1.1	1.000	.759
X1.2	1.000	.800
X1.3	1.000	.464

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	2.023	67.427	67.427	2.023	67.427	67.427
2	.699	23.308	90.735			
3	.278	9.265	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix^a

	Component
	1
X1.1	.871
X1.2	.894
X1.3	.681

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

- Fasilitas (X2)

Correlations

		X2.1	X2.2	TOTAL
X2.1	Pearson Correlation	1	.679**	.919**
	Sig. (2-tailed)		.000	.000
	N	100	100	100
X2.2	Pearson Correlation	.679**	1	.913**
	Sig. (2-tailed)	.000		.000
	N	100	100	100
TOTAL	Pearson Correlation	.919**	.913**	1

Sig. (2-tailed)	.000	.000	
N	100	100	100

** . Correlation is significant at the 0.01 level (2-tailed).

Case Processing Summary

		N	%
Cases	Valid	100	100.0
	Excluded ^a	0	.0
	Total	100	100.0

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

Reliability Statistics

Cronbach's Alpha	N of Items
.808	2

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
X2.1	2.66	.712	.679	.
X2.2	2.69	.762	.679	.

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.	.500
Bartlett's Test of Sphericity	Approx. Chi-Square
	60.196
	df
	1
	Sig.
	.000

Anti-image Matrices

		X2.1	X2.2
Anti-image Covariance	X2.1	.539	-.366
	X2.2	-.366	.539
Anti-image Correlation	X2.1	.500 ^a	-.679
	X2.2	-.679	.500 ^a

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
X2.1	1.000	.839
X2.2	1.000	.839

Extraction Method: Principal

Component Analysis.

Total Variance Explained

Component	Initial Eigenvalues	Extraction Sums of Squared Loadings
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	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	1.679	83.936	83.936	1.679	83.936	83.936
2	.321	16.064	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix^a

	Component
	1
X2.1	.916
X2.2	.916

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

- Regresisisteminstalasipencahayaan

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.817 ^a	.668	.661	.476

a. Predictors: (Constant), X2, X1

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	44.246	2	22.123	97.570	.000 ^b
	Residual	21.994	97	.227		
	Total	66.240	99			

a. Dependent Variable: Y1

b. Predictors: (Constant), X2, X1

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.313	.210		1.491	.139
	X1	.146	.096	.125	1.515	.133
	X2	.722	.083	.724	8.744	.000

a. Dependent Variable: Y1

➤ Sistem instalasi mobilitas / lift

- Fasilitas (X4)

Correlations

		X4.1	X4.2	TOTAL
X4.1	Pearson Correlation	1	.453**	.844**
	Sig. (2-tailed)		.000	.000
	N	100	100	100
X4.2	Pearson Correlation	.453**	1	.860**
	Sig. (2-tailed)	.000		.000
	N	100	100	100
TOTAL	Pearson Correlation	.844**	.860**	1
	Sig. (2-tailed)	.000	.000	
	N	100	100	100

** . Correlation is significant at the 0.01 level (2-tailed).

Case Processing Summary

		N	%
Cases	Valid	100	100.0
	Excluded ^a	0	.0
	Total	100	100.0

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

Reliability Statistics

Cronbach's Alpha	N of Items
.623	2

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.	.500	
Bartlett's Test of Sphericity	Approx. Chi-Square	22.341
	df	1
	Sig.	.000

Anti-image Matrices

		X4.1	X4.2
Anti-image Covariance	X4.1	.795	-.360
	X4.2	-.360	.795
Anti-image Correlation	X4.1	.500 ^a	-.453
	X4.2	-.453	.500 ^a

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
X4.1	1.000	.726
X4.2	1.000	.726

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	1.453	72.626	72.626	1.453	72.626	72.626
2	.547	27.374	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix^a

	Component
	1
X4.1	.852
X4.2	.852

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

- Kelayakansisteminstalasiabilitas / lift (Y)

Correlations

		Y1	Y2	Y3	Y4	TOTAL
Y1	Pearson Correlation	1	.380**	.235*	.607**	.742**
	Sig. (2-tailed)		.000	.019	.000	.000
	N	100	100	100	100	100
Y2	Pearson Correlation	.380**	1	.411**	.555**	.756**
	Sig. (2-tailed)	.000		.000	.000	.000
	N	100	100	100	100	100
Y3	Pearson Correlation	.235*	.411**	1	.455**	.696**
	Sig. (2-tailed)	.019	.000		.000	.000
	N	100	100	100	100	100
Y4	Pearson Correlation	.607**	.555**	.455**	1	.852**
	Sig. (2-tailed)	.000	.000	.000		.000
	N	100	100	100	100	100
TOTAL	Pearson Correlation	.742**	.756**	.696**	.852**	1
	Sig. (2-tailed)	.000	.000	.000	.000	
	N	100	100	100	100	100

** . Correlation is significant at the 0.01 level (2-tailed).

* . Correlation is significant at the 0.05 level (2-tailed).

Case Processing Summary

		N	%
Cases	Valid	100	100.0
	Excluded ^a	0	.0
	Total	100	100.0

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

Reliability Statistics

Cronbach's Alpha	N of Items
.752	4

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item-Total Correlation	Cronbach's Alpha if Item Deleted
Y1	7.69	4.216	.498	.725
Y2	7.34	4.449	.565	.686
Y3	7.27	4.502	.438	.756
Y4	7.55	4.028	.721	.602

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.	.703
Bartlett's Test of Sphericity Approx. Chi-Square	108.166
df	6
Sig.	.000

Anti-image Matrices

		Y1	Y2	Y3	Y4
Anti-image	Y1	.625	-.051	.051	-.276
Covariance	Y2	-.051	.656	-.154	-.192
	Y3	.051	-.154	.753	-.173
	Y4	-.276	-.192	-.173	.464
Anti-image	Y1	.674 ^a	-.080	.074	-.513
Correlation	Y2	-.080	.780 ^a	-.219	-.348
	Y3	.074	-.219	.756 ^a	-.293
	Y4	-.513	-.348	-.293	.653 ^a

a. Measures of Sampling Adequacy(MSA)

Communalities

	Initial	Extraction
Y1	1.000	.536
Y2	1.000	.598
Y3	1.000	.439
Y4	1.000	.768

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	2.341	58.531	58.531	2.341	58.531
2	.787	19.674	78.205			
3	.547	13.681	91.886			
4	.325	8.114	100.000			

Extraction Method: Principal Component Analysis.

Component Matrix^a

	Component
	1
Y1	.732
Y2	.774
Y3	.662
Y4	.876

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

- Regresisisteminstalasi plumbing

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.762 ^a	.580	.558	.479

a. Predictors: (Constant), X5, X1, X4, X3, X2

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	29.816	5	5.963	25.982	.000 ^b
	Residual	21.574	94	.230		
	Total	51.390	99			

a. Dependent Variable: Y

b. Predictors: (Constant), X5, X1, X4, X3, X2

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1 (Constant)	.786	.198		3.977	.000
X1	.160	.071	.194	2.259	.026
X2	.053	.080	.068	.670	.504
X3	.094	.088	.103	1.071	.287
X4	.047	.082	.049	.571	.569
X5	.458	.090	.499	5.089	.000

a. Dependent Variable: Y

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LampiranV

Dokumentasi

