Lampiran 1. Output Pengolahan Data Model Pengukuran *Overall* Kelompok Responden Petani

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L I S R E L 8.50

BY

Karl G. Jöreskog & Dag Sörbom

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MODEL PENGUKURAN KELOMPOK PETANI

Observed Variables
X11-X15 X21-X24 X31-X35 X41-X45 Y11-Y15 Y21-Y26 Y31-Y35
Covariance matrix from file petani.cov
Sample Size = 200
Latent Variables 'KET PRO' KUALITAS HARGA MODAL 'PER PEM' SDM 'SIS PEM'
Relationships
X11-X15 = MODAL
X21-X24 = 'PER PEM'
X31-X35 = SDM
X41-X45 = 'SIS PEM'
Y11-Y15 = 'KET PRO'
Y21-Y26 = KUALITAS
Y31-Y35 = HARGA

Path Diagram
End of Problem

Sample Size = 200

MODEL PENGUKURAN KELOMPOK PETANI

Covariance Matrix

	X11	X12	X13	X14	X15	X21
X11	1.12					
X12	0.36	1.27				
X13	0.31	0.45	1.04			
X14	0.36	0.54	0.35	1.25		
X15	0.39	0.36	0.39	0.42	1.11	
X21	0.07	0.12	0.04	0.13	0.14	1.03
X22	-0.11	-0.03	0.12	0.11	0.11	0.46
X23	0.06	0.19	0.19	0.17	0.15	0.37
X24	-0.02	0.03	0.16	0.11	0.20	0.43
X31	0.18	0.15	0.17	0.05	0.07	-0.20
X32	0.21	0.35	0.18	0.21	0.06	-0.10
X33	0.22	0.22	0.08	0.22	0.12	-0.20
X34	0.08	0.03	0.07	0.09	-0.10	-0.09
X35	0.11	0.11	0.08	0.12	0.04	-0.17
X41	0.19	0.04	-0.10	0.08	-0.07	-0.18
X42	0.22	0.03	0.03	0.08	0.08	-0.06
X43	0.10	0.20	0.04	0.07	0.03	-0.13
X44	0.10	0.10	0.13	0.10	-0.16	-0.22
X45	0.17	0.20	0.05	0.08	0.14	-0.11
Y11	0.00	0.24	0.15	0.16	0.15	0.22
Y12	0.10	0.17	0.19	0.09	0.29	0.24
Y13	0.10	0.18	0.12	0.08	0.13	0.20
Y14	0.02	0.15	0.07	0.09	0.18	0.28
Y15	-0.07	0.08	0.25	0.12	0.28	0.31
Y21	0.05	0.25	0.17	0.15	0.04	-0.23
Y22	0.16	0.31	0.17	0.27	0.16	-0.06
Y23	0.14	0.24	0.12	0.23	0.15	-0.13
Y24	0.08	0.24	0.07	0.09	0.08	-0.15
Y25	0.23	0.20	0.09	0.23	0.14	-0.27
Y26	0.22	0.24	0.13	0.23	0.25	-0.03
Y31	0.13	0.07	0.11	0.07	0.02	-0.19
Y32	0.14	0.04	-0.06	0.10	-0.08	-0.16
Y33	0.28	0.10	-0.04	0.21	-0.03	-0.08
Y34	0.22	0.05	0.16	0.12	0.02	0.04
Y35	0.13	0.05	0.03	0.00	0.00	-0.06

Covariance Matrix

	X22	X23	X24	X31	X32	X33
X22	1.25					
X23	0.55	1.29				
X24	0.57	0.44	1.17			
X31	-0.15	-0.15	-0.21	1.19		
X32	-0.05	-0.03	0.05	0.46	1.16	
X33	-0.25	-0.07	-0.23	0.51	0.47	1.10
X34	-0.14	0.07	-0.12	0.54	0.40	0.39
X35	-0.18	-0.13	0.05	0.47	0.43	0.30
X41	-0.19	-0.33	-0.20	0.26	0.30	0.21
X42	-0.15	-0.14	-0.06	0.21	0.30	0.18
X43	-0.13	-0.08	-0.01	0.26	0.20	0.17
X44	-0.29	-0.26	-0.24	0.21	0.31	0.15

X45	-0.12	-0.13	-0.03	0.26	0.26	0.20
Y11	0.27	0.26	0.36	-0.10	0.08	-0.01
Y12	0.29	0.34	0.30	-0.05	0.02	-0.04
Y13	0.43	0.32	0.35	-0.17	-0.10	-0.15
Y14	0.38	0.23	0.40	-0.03	0.11	0.01
Y15	0.51	0.35	0.44	-0.12	-0.08	-0.11
Y21	-0.22	-0.21	-0.25	0.33	0.31	0.36
Y22	-0.04	-0.01	-0.06	0.41	0.48	0.43
Y23	-0.03	-0.01	-0.13	0.34	0.30	0.25
Y24	-0.17	-0.03	-0.23	0.41	0.30	0.46
Y25	-0.30	-0.03	-0.26	0.52	0.35	0.56
Y26	-0.04	-0.06	-0.14	0.33	0.34	0.44
Y31	-0.05	-0.02	-0.07	0.23	0.22	0.18
Y32	-0.25	-0.16	-0.14	0.22	0.26	0.23
Y33	-0.20	-0.17	-0.09	0.15	0.16	0.11
Y34	-0.10	-0.11	-0.04	0.26	0.17	0.18
Y35	-0.20	-0.17	-0.09	0.44	0.22	0.26

Covariance Matrix

	X34	X35	X41	X42	X43	X44
X34	1.27					
X35	0.43	1.26				
X41	0.01	0.23	1.33			
X42	0.04	0.13	0.48	1.14		
X43	0.09	0.13	0.45	0.30	1.37	
X44	0.21	0.24	0.48	0.39	0.39	1.27
X45	0.07	0.18	0.46	0.45	0.45	0.37
Y11	-0.03	-0.01	-0.22	-0.15	-0.03	-0.22
Y12	-0.01	-0.07	-0.09	-0.21	-0.23	-0.14
Y13	-0.10	-0.01	-0.14	-0.18	-0.17	-0.11
Y14	-0.08	0.01	-0.09	-0.11	-0.03	-0.15
Y15	-0.13	-0.14	-0.28	-0.21	-0.34	-0.29
Y21	0.27	0.31	0.30	0.09	0.16	0.20
Y22	0.36	0.36	0.13	0.12	0.07	0.19
Y23	0.23	0.24	0.16	0.12	0.09	0.09
Y24	0.31	0.36	0.07	0.11	-0.04	0.09
Y25	0.39	0.36	0.24	0.14	0.20	0.15
Y26	0.30	0.21	0.24	0.12	0.09	0.10
Y31	0.20	0.26	0.19	0.10	0.30	0.22
Y32	0.07	0.25	0.43	0.32	0.24	0.49
Y33	0.24	0.18	0.32	0.25	0.30	0.33
Y34	0.12	0.13	0.24	0.23	0.32	0.30
Y35	0.26	0.31	0.36	0.22	0.36	0.23

Covariance Matrix

	X45	Y11	Y12	Y13	Y14	Y15
X45	1.10					
Y11	-0.15	0.99				
Y12	-0.09	0.38	1.12			
Y13	-0.04	0.32	0.48	1.33		
Y14	-0.07	0.42	0.49	0.47	1.23	
Y15	-0.18	0.35	0.47	0.34	0.37	1.16
Y21	0.18	0.03	-0.07	-0.21	-0.08	-0.14
Y22	0.15	-0.03	-0.03	-0.18	-0.04	-0.11

Y23	0.04	0.01	0.02	-0.20	-0.16	-0.02
Y24	0.15	-0.06	-0.04	-0.24	0.07	-0.17
Y25	0.22	-0.05	-0.01	-0.21	-0.04	-0.21
Y26	0.12	0.01	0.03	-0.09	0.00	-0.11
Y31	0.07	-0.16	-0.03	-0.13	-0.18	-0.12
Y32	0.20	-0.38	-0.26	-0.22	-0.21	-0.33
Y33	0.08	-0.16	-0.28	-0.20	-0.22	-0.26
Y34	0.21	-0.15	-0.14	-0.19	-0.11	-0.10
Y35	0.24	-0.12	-0.24	-0.24	-0.17	-0.29

Covariance Matrix

	Y21	Y22	Y23	Y24	Y25	Y26
Y21	1.05					
Y22	0.48	1.27				
Y23	0.35	0.46	1.11			
Y24	0.40	0.57	0.44	1.38		
Y25	0.48	0.42	0.45	0.56	1.39	
Y26	0.51	0.61	0.36	0.54	0.54	1.24
Y31	0.16	0.11	0.21	0.17	0.22	0.10
Y32	0.13	0.29	0.20	0.23	0.21	0.15
Y33	0.14	0.17	0.13	0.14	0.17	0.19
Y34	0.12	0.18	0.13	0.19	0.12	0.18
Y35	0.21	0.19	0.22	0.28	0.30	0.24

Covariance Matrix

	Y31	Y32	Y33	Y34	Y35
Y31	1.08				
Y32	0.48	1.41			
Y33	0.30	0.63	1.28		
Y34	0.45	0.50	0.43	1.10	
Y35	0.48	0.52	0.49	0.33	1.36

MODEL PENGUKURAN KELOMPOK PETANI

Number of Iterations = 10

LISREL Estimates (Maximum Likelihood)

Measurement Equations

X11 = 0.53*MODAL, Errorvar.= 0.84 , R^2 = 0.25
(0.081) (0.094)
6.51 8.86

X12 = 0.72*MODAL, Errorvar.= 0.74 , R^2 = 0.41
(0.083) (0.098)
8.67 7.60

X13 = 0.59*MODAL, Errorvar.= 0.70 , R^2 = 0.33
(0.077) (0.084)
7.59 8.33

X14 = 0.68*MODAL, Errorvar.= 0.79 , R^2 = 0.37
(0.084) (0.099)
8.15 7.99

X15 = 0.61*MODAL, Errorvar.= 0.73 , R^2 = 0.34
(0.079) (0.089)
7.68 8.28

X21 = 0.58*PER PEM, Errorvar.= 0.69 , R^2 = 0.33
(0.074) (0.080)
7.79 8.63

X22 = 0.79*PER PEM, Errorvar.= 0.63 , R^2 = 0.50
(0.079) (0.087)
10.03 7.16

X23 = 0.65*PER PEM, Errorvar.= 0.88 , R^2 = 0.32
(0.084) (0.10)
7.73 8.65

X24 = 0.73*PER PEM, Errorvar.= 0.63 , R^2 = 0.46
(0.077) (0.083)
9.55 7.57

X31 = 0.75*SDM, Errorvar.= 0.62 , R^2 = 0.48
(0.075) (0.079)
10.06 7.82

X32 = 0.67*SDM, Errorvar.= 0.71 , R^2 = 0.39
(0.076) (0.084)
8.83 8.50

X33 = 0.69*SDM, Errorvar.= 0.63 , R^2 = 0.43
(0.073) (0.077)
9.38 8.23

X34 = 0.60*SDM, Errorvar.= 0.90 , R^2 = 0.29
(0.082) (0.100)
7.39 9.04

X35 = 0.59*SDM, Errorvar.= 0.92 , R^2 = 0.27
(0.082) (0.10)
7.18 9.10

X41 = 0.74*SIS PEM, Errorvar.= 0.78 , R^2 = 0.41
(0.084) (0.10)
8.74 7.79

X42 = 0.62*SIS PEM, Errorvar.= 0.76 , R^2 = 0.33
(0.079) (0.090)
7.77 8.39

X43 = 0.62*SIS PEM, Errorvar.= 0.99 , R^2 = 0.28
(0.088) (0.11)
6.99 8.76

X44 = 0.66*SIS PEM, Errorvar.= 0.83 , R^2 = 0.35
(0.084) (0.100)
7.90 8.32

X45 = 0.62*SIS PEM, Errorvar.= 0.71 , R^2 = 0.35
(0.078) (0.086)
7.99 8.27

Y11 = 0.57*KET PRO, Errorvar.= 0.66 , R^2 = 0.33
(0.072) (0.076)
7.95 8.73

Y12 = 0.67*KET PRO, Errorvar.= 0.67 , R^2 = 0.40
(0.075) (0.081)
8.96 8.26

Y13 = 0.62*KET PRO, Errorvar.= 0.94 , R^2 = 0.29
(0.084) (0.11)
7.41 8.93

Y14 = 0.65*KET PRO, Errorvar.= 0.81 , R^2 = 0.34
(0.080) (0.093)
8.11 8.67

Y15 = 0.68*KET PRO, Errorvar.= 0.70 , R^2 = 0.40
(0.076) (0.084)
8.87 8.31

Y21 = 0.63*KUALITAS, Errorvar.= 0.65 , R^2 = 0.38
(0.071) (0.075)
8.86 8.73

Y22 = 0.75*KUALITAS, Errorvar.= 0.70 , R^2 = 0.45
(0.077) (0.084)

9.83 8.31

Y23 = 0.57*KUALITAS, Errorvar.= 0.78 , R^2 = 0.30
(0.075) (0.085)
7.63 9.12

Y24 = 0.72*KUALITAS, Errorvar.= 0.86 , R^2 = 0.38
(0.082) (0.098)
8.79 8.75

Y25 = 0.75*KUALITAS, Errorvar.= 0.83 , R^2 = 0.40
(0.082) (0.097)
9.17 8.61

Y26 = 0.73*KUALITAS, Errorvar.= 0.71 , R^2 = 0.43
(0.076) (0.084)
9.53 8.46

Y31 = 0.58*HARGA, Errorvar.= 0.75 , R^2 = 0.31
(0.077) (0.085)
7.61 8.74

Y32 = 0.83*HARGA, Errorvar.= 0.71 , R^2 = 0.50
(0.083) (0.098)
10.03 7.28

Y33 = 0.69*HARGA, Errorvar.= 0.81 , R^2 = 0.37
(0.082) (0.097)
8.37 8.39

Y34 = 0.61*HARGA, Errorvar.= 0.73 , R^2 = 0.34
(0.077) (0.085)
7.94 8.59

Y35 = 0.69*HARGA, Errorvar.= 0.89 , R^2 = 0.35
(0.085) (0.10)
8.11 8.51

Correlation Matrix of Independent Variables

	KET PRO	KUALITAS	HARGA	MODAL	PER PEM	SDM
KET PRO	1.00					
KUALITAS	-0.16	1.00				
	(0.09)					
	-1.75					
HARGA	-0.46	0.38	1.00			
	(0.08)	(0.08)				
	-5.60	4.64				
MODAL	0.34	0.40	0.15	1.00		

	(0.09)	(0.08)	(0.09)		
	3.85	4.80	1.57		
PER PEM	0.74	-0.27	-0.25	0.21	1.00
	(0.06)	(0.09)	(0.09)	(0.09)	
	12.11	-3.13	-2.78	2.23	
SDM	-0.12	0.78	0.46	0.31	-0.27	1.00
	(0.09)	(0.05)	(0.08)	(0.09)	(0.09)	
	-1.33	15.06	5.67	3.48	-3.00	
SIS PEM	-0.38	0.31	0.59	0.17	-0.34	0.46
	(0.09)	(0.09)	(0.07)	(0.10)	(0.09)	(0.08)
	-4.35	3.59	8.00	1.81	-3.75	5.63

Correlation Matrix of Independent Variables

	SIS PEM
SIS PEM	1.00

Goodness of Fit Statistics

Degrees of Freedom = 539
Minimum Fit Function Chi-Square = 625.18 (P = 0.0059)
Normal Theory Weighted Least Squares Chi-Square = 582.12 (P = 0.097)
Estimated Non-centrality Parameter (NCP) = 43.12
90 Percent Confidence Interval for NCP = (0.0 ; 105.50)

Minimum Fit Function Value = 3.14
Population Discrepancy Function Value (F0) = 0.22
90 Percent Confidence Interval for F0 = (0.0 ; 0.53)
Root Mean Square Error of Approximation (RMSEA) = 0.020
90 Percent Confidence Interval for RMSEA = (0.0 ; 0.031)
P-Value for Test of Close Fit (RMSEA < 0.05) = 1.00

Expected Cross-Validation Index (ECVI) = 3.84
90 Percent Confidence Interval for ECVI = (3.62 ; 4.15)
ECVI for Saturated Model = 6.33
ECVI for Independence Model = 11.68

Chi-Square for Independence Model with 595 Degrees of Freedom = 2253.55
Independence AIC = 2323.55
Model AIC = 764.12
Saturated AIC = 1260.00
Independence CAIC = 2473.99
Model CAIC = 1155.27
Saturated CAIC = 3967.94

Normed Fit Index (NFI) = 0.72
Non-Normed Fit Index (NNFI) = 0.94
Parsimony Normed Fit Index (PNFI) = 0.65
Comparative Fit Index (CFI) = 0.95
Incremental Fit Index (IFI) = 0.95
Relative Fit Index (RFI) = 0.69

Critical N (CN) = 197.81

Root Mean Square Residual (RMR) = 0.070
Standardized RMR = 0.058
Goodness of Fit Index (GFI) = 0.86
Adjusted Goodness of Fit Index (AGFI) = 0.83
Parsimony Goodness of Fit Index (PGFI) = 0.73

The Modification Indices Suggest to Add an Error Covariance

Between	and	Decrease in Chi-Square	New Estimate
X35	X24	10.4	0.20
X44	X15	9.2	-0.19
Y25	Y22	10.7	-0.22
Y31	X21	8.4	-0.16

Time used: 0.881 Seconds

Lampiran 2. Output Pengolahan Data Model Pengukuran *Overall* Kelompok Responden Penyuling

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L I S R E L 8.50

BY

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MODEL PENGUKURAN KELOMPOK PENYULING

Observed Variables
X11-X15 X21-X24 X31-X35 X41-X45 Y11-Y15 Y21-Y25 Y31-Y35
Covariance matrix from file penyuling_.cov
Sample Size = 52
Latent Variables 'KET PRO' KUALITAS HARGA MODAL 'PER PEM' SDM 'SIS PEM'
Relationships
X11-X15 = MODAL
X21-X24 = 'PER PEM'
X31-X35 = SDM
X41-X45 = 'SIS PEM'
Y11-Y15 = 'KET PRO'
Y21-Y25 = KUALITAS
Y31-Y35 = HARGA

Path Diagram
End of Problem

Sample Size = 52

MODEL PENGUKURAN KELOMPOK PENYULING

Covariance Matrix

	X11	X12	X13	X14	X15	X21
X11	1.05					
X12	0.42	1.15				
X13	0.37	0.40	0.96			
X14	0.40	0.62	0.36	1.33		
X15	0.31	0.34	0.40	0.51	1.10	
X21	-0.02	0.01	0.13	-0.02	0.01	0.83
X22	-0.06	-0.03	0.25	0.11	0.11	0.38
X23	-0.13	-0.16	0.15	0.02	0.23	0.40
X24	-0.13	-0.04	0.08	-0.24	-0.09	0.40
X31	0.05	0.08	-0.08	0.01	-0.18	-0.13
X32	0.12	0.14	-0.13	0.20	-0.22	0.03
X33	0.04	0.03	-0.07	0.05	-0.03	-0.04
X34	-0.09	0.06	-0.16	0.00	-0.13	0.10
X35	0.24	0.22	0.05	0.20	-0.06	-0.11
X41	-0.06	0.04	-0.16	0.07	-0.09	-0.03
X42	0.09	-0.03	-0.12	-0.06	0.03	-0.11
X43	-0.01	-0.08	-0.07	-0.11	-0.10	0.03
X44	-0.01	0.04	0.04	0.12	-0.16	-0.13
X45	0.07	0.02	0.04	0.07	0.07	0.02
Y11	-0.13	0.01	0.07	-0.15	0.13	0.22
Y12	-0.05	-0.05	0.14	0.03	0.06	0.30
Y13	0.08	-0.08	0.26	0.11	0.18	0.16
Y14	0.08	0.09	0.20	0.21	0.29	0.26
Y15	0.12	0.21	0.26	0.20	0.25	0.21
Y21	0.14	0.19	0.14	0.09	0.07	-0.14
Y22	0.19	0.32	0.13	0.24	0.04	0.06
Y23	0.07	0.11	0.05	0.12	-0.05	0.07
Y24	0.05	0.09	-0.05	0.04	-0.03	-0.06
Y25	-0.03	0.11	0.11	0.18	0.04	-0.14
Y31	0.08	0.04	0.02	-0.03	-0.24	-0.10
Y32	0.10	0.19	-0.12	0.35	-0.01	-0.07
Y33	-0.11	0.07	-0.18	-0.13	-0.26	0.01
Y34	0.14	0.19	0.10	-0.01	-0.17	-0.03
Y35	-0.04	0.09	-0.14	-0.16	-0.18	0.01

Covariance Matrix

	X22	X23	X24	X31	X32	X33
X22	1.00					
X23	0.41	1.05				
X24	0.38	0.32	1.14			
X31	-0.12	-0.09	-0.07	0.99		
X32	-0.03	0.04	-0.12	0.65	1.23	
X33	-0.06	-0.05	-0.22	0.53	0.53	0.97
X34	-0.04	0.13	-0.09	0.44	0.41	0.31
X35	-0.05	-0.06	0.16	0.60	0.53	0.28
X41	-0.25	-0.07	-0.13	0.11	0.20	0.09
X42	-0.25	-0.05	-0.12	0.18	0.35	0.23
X43	-0.11	-0.02	0.02	0.19	0.16	0.18

X44	-0.32	-0.16	-0.23	0.31	0.44	0.22
X45	-0.02	0.09	-0.07	0.21	0.28	0.16
Y11	0.21	0.22	0.39	-0.18	-0.16	-0.08
Y12	0.30	0.43	0.38	-0.07	-0.06	-0.01
Y13	0.25	0.25	0.26	-0.01	-0.05	-0.06
Y14	0.42	0.27	0.43	-0.13	-0.14	0.00
Y15	0.42	0.27	0.49	-0.22	-0.35	-0.22
Y21	-0.23	-0.03	-0.12	0.12	0.14	0.03
Y22	0.05	0.11	-0.01	0.34	0.33	0.23
Y23	-0.03	-0.11	0.04	0.19	0.22	0.13
Y24	-0.09	-0.03	-0.09	0.27	0.31	0.18
Y25	-0.01	0.03	-0.10	0.32	0.30	0.31
Y31	-0.21	-0.13	-0.12	0.19	0.32	0.17
Y32	-0.29	-0.19	-0.21	0.38	0.56	0.21
Y33	-0.20	-0.28	-0.20	0.22	0.30	0.16
Y34	-0.23	-0.16	-0.03	0.26	0.23	0.11
Y35	-0.37	-0.18	-0.10	0.34	0.31	0.20

Covariance Matrix

	X34	X35	X41	X42	X43	X44
X34	1.29					
X35	0.37	1.20				
X41	-0.05	0.05	1.17			
X42	0.13	0.04	0.52	1.17		
X43	0.10	0.05	0.46	0.30	1.29	
X44	0.30	0.21	0.49	0.43	0.46	1.33
X45	0.10	0.06	0.26	0.40	0.52	0.42
Y11	-0.04	-0.12	-0.16	-0.20	-0.11	-0.28
Y12	0.00	0.00	-0.16	-0.09	-0.26	-0.07
Y13	0.00	0.16	-0.24	-0.21	-0.26	-0.18
Y14	-0.17	0.11	-0.16	-0.14	-0.16	-0.28
Y15	-0.15	-0.13	-0.22	-0.21	-0.41	-0.36
Y21	0.10	0.18	0.36	0.24	0.33	0.33
Y22	0.26	0.26	0.26	0.07	0.21	0.30
Y23	0.29	0.30	0.38	0.18	0.28	0.40
Y24	0.37	0.32	0.12	0.26	0.22	0.33
Y25	0.26	0.25	0.33	0.31	0.41	0.46
Y31	0.13	0.20	0.32	0.24	0.57	0.50
Y32	0.15	0.23	0.43	0.45	0.45	0.71
Y33	0.30	0.16	0.41	0.35	0.47	0.67
Y34	0.23	0.17	0.38	0.37	0.30	0.53
Y35	0.14	0.12	0.57	0.41	0.71	0.50

Covariance Matrix

	X45	Y11	Y12	Y13	Y14	Y15
X45	1.10					
Y11	-0.17	1.02				
Y12	-0.09	0.42	1.10			
Y13	-0.03	0.24	0.38	1.04		
Y14	-0.22	0.40	0.48	0.56	1.31	
Y15	-0.22	0.29	0.46	0.28	0.43	1.19
Y21	0.22	-0.05	-0.15	-0.14	-0.10	-0.11
Y22	0.23	-0.03	-0.07	-0.16	0.05	-0.05
Y23	0.15	0.00	-0.04	-0.05	-0.04	-0.12

Y24	0.24	-0.12	-0.04	-0.17	-0.03	-0.21
Y25	0.34	-0.15	-0.16	-0.19	-0.06	-0.17
Y31	0.21	-0.20	-0.15	-0.33	-0.31	-0.21
Y32	0.33	-0.39	-0.25	-0.41	-0.21	-0.38
Y33	0.13	-0.29	-0.34	-0.50	-0.29	-0.32
Y34	0.27	-0.21	-0.14	-0.31	-0.25	-0.12
Y35	0.39	-0.13	-0.30	-0.22	-0.24	-0.39

Covariance Matrix

	Y21	Y22	Y23	Y24	Y25	Y31
Y21	0.69					
Y22	0.33	0.98				
Y23	0.27	0.35	0.71			
Y24	0.23	0.39	0.17	0.83		
Y25	0.36	0.41	0.33	0.30	0.87	
Y31	0.39	0.33	0.30	0.40	0.31	1.21
Y32	0.34	0.48	0.34	0.32	0.35	0.72
Y33	0.30	0.28	0.27	0.39	0.37	0.54
Y34	0.39	0.41	0.25	0.37	0.36	0.60
Y35	0.37	0.32	0.41	0.34	0.31	0.62

Covariance Matrix

	Y32	Y33	Y34	Y35
Y32	1.58			
Y33	0.78	1.46		
Y34	0.69	0.72	1.30	
Y35	0.73	0.63	0.35	1.68

MODEL PENGUKURAN KELOMPOK PENYULING

Number of Iterations = 15

LISREL Estimates (Maximum Likelihood)

Measurement Equations

X11 = 0.56*MODAL, Errorvar.= 0.74 , R^2 = 0.30
(0.11) (0.12)
5.10 6.12

X12 = 0.71*MODAL, Errorvar.= 0.64 , R^2 = 0.44
(0.11) (0.12)
6.46 5.27

X13 = 0.58*MODAL, Errorvar.= 0.62 , R^2 = 0.36
(0.10) (0.11)
5.67 5.82

X14 = 0.77*MODAL, Errorvar.= 0.74 , R^2 = 0.45
(0.12) (0.14)

6.49 5.25

X15 = 0.59*MODAL, Errorvar.= 0.75 , R^2 = 0.32
(0.11) (0.12)
5.36 5.99

X21 = 0.56*PER PEM, Errorvar.= 0.52 , R^2 = 0.38
(0.094) (0.090)
5.91 5.75

X22 = 0.63*PER PEM, Errorvar.= 0.60 , R^2 = 0.40
(0.10) (0.11)
6.09 5.63

X23 = 0.60*PER PEM, Errorvar.= 0.69 , R^2 = 0.34
(0.11) (0.12)
5.57 5.94

X24 = 0.69*PER PEM, Errorvar.= 0.67 , R^2 = 0.41
(0.11) (0.12)
6.23 5.54

X31 = 0.85*SDM, Errorvar.= 0.27 , R^2 = 0.72
(0.089) (0.078)
9.48 3.54

X32 = 0.79*SDM, Errorvar.= 0.61 , R^2 = 0.50
(0.11) (0.11)
7.49 5.59

X33 = 0.60*SDM, Errorvar.= 0.61 , R^2 = 0.37
(0.097) (0.098)
6.20 6.23

X34 = 0.54*SDM, Errorvar.= 1.01 , R^2 = 0.22
(0.12) (0.15)
4.58 6.66

X35 = 0.67*SDM, Errorvar.= 0.76 , R^2 = 0.37
(0.11) (0.12)
6.18 6.24

X41 = 0.66*SIS PEM, Errorvar.= 0.74 , R^2 = 0.37
(0.11) (0.12)
6.09 6.14

X42 = 0.57*SIS PEM, Errorvar.= 0.85 , R^2 = 0.28
(0.11) (0.13)
5.13 6.46

X43 = 0.69*SIS PEM, Errorvar.= 0.81 , R^2 = 0.37
(0.11) (0.13)
6.09 6.14

X44 = 0.79*SIS PEM, Errorvar.= 0.70 , R^2 = 0.47

(0.11) (0.12)
7.11 5.63

X45 = 0.52*SIS PEM, Errorvar.= 0.83 , R^2 = 0.25
(0.11) (0.13)
4.80 6.55

Y11 = 0.52*KET PRO, Errorvar.= 0.75 , R^2 = 0.26
(0.10) (0.12)
4.92 6.46

Y12 = 0.66*KET PRO, Errorvar.= 0.66 , R^2 = 0.40
(0.10) (0.11)
6.32 5.94

Y13 = 0.57*KET PRO, Errorvar.= 0.71 , R^2 = 0.32
(0.10) (0.11)
5.50 6.27

Y14 = 0.75*KET PRO, Errorvar.= 0.76 , R^2 = 0.42
(0.11) (0.13)
6.57 5.80

Y15 = 0.67*KET PRO, Errorvar.= 0.75 , R^2 = 0.37
(0.11) (0.12)
6.09 6.04

Y21 = 0.52*KUALITAS, Errorvar.= 0.42 , R^2 = 0.39
(0.081) (0.068)
6.41 6.19

Y22 = 0.65*KUALITAS, Errorvar.= 0.56 , R^2 = 0.43
(0.095) (0.092)
6.82 6.03

Y23 = 0.51*KUALITAS, Errorvar.= 0.45 , R^2 = 0.36
(0.083) (0.072)
6.13 6.29

Y24 = 0.49*KUALITAS, Errorvar.= 0.59 , R^2 = 0.29
(0.092) (0.091)
5.33 6.51

Y25 = 0.65*KUALITAS, Errorvar.= 0.45 , R^2 = 0.48
(0.088) (0.078)
7.32 5.79

Y31 = 0.75*HARGA, Errorvar.= 0.65 , R^2 = 0.47
(0.10) (0.11)
7.23 6.00

Y32 = 0.93*HARGA, Errorvar.= 0.72 , R^2 = 0.55
(0.12) (0.13)
8.03 5.61

Y33 = 0.83*HARGA, Errorvar.= 0.77 , R^2 = 0.47
(0.11) (0.13)
7.29 5.98

Y34 = 0.74*HARGA, Errorvar.= 0.75 , R^2 = 0.42
(0.11) (0.12)
6.76 6.18

Y35 = 0.78*HARGA, Errorvar.= 1.08 , R^2 = 0.36
(0.13) (0.17)
6.12 6.38

Correlation Matrix of Independent Variables

	KET PRO	KUALITAS	HARGA	MODAL	PER PEM	SDM
KET PRO	1.00					
KUALITAS	-0.26	1.00				
	(0.13)					
	-2.05					
HARGA	-0.53	0.75	1.00			
	(0.10)	(0.07)				
	-5.15	10.08				
MODAL	0.25	0.28	0.00	1.00		
	(0.13)	(0.12)	(0.13)			
	1.94	2.26	0.00			
PER PEM	0.79	-0.12	-0.30	0.02	1.00	
	(0.08)	(0.13)	(0.12)	(0.14)		
	9.46	-0.91	-2.46	0.14		
SDM	-0.20	0.56	0.42	0.02	-0.14	1.00
	(0.12)	(0.10)	(0.10)	(0.13)	(0.13)	
	-1.64	5.94	4.02	0.20	-1.10	
SIS PEM	-0.47	0.78	0.83	-0.03	-0.27	0.40
	(0.12)	(0.08)	(0.07)	(0.13)	(0.13)	(0.11)
	-4.08	9.89	12.13	-0.25	-2.02	3.49

Correlation Matrix of Independent Variables

	SIS PEM
SIS PEM	1.00

Goodness of Fit Statistics

Degrees of Freedom = 506
Minimum Fit Function Chi-Square = 650.58 (P = 0.00)
Normal Theory Weighted Least Squares Chi-Square = 540.01 (P = 0.14)
Estimated Non-centrality Parameter (NCP) = 34.01
90 Percent Confidence Interval for NCP = (0.0 ; 93.97)

Minimum Fit Function Value = 6.57
Population Discrepancy Function Value (F0) = 0.34
90 Percent Confidence Interval for F0 = (0.0 ; 0.95)
Root Mean Square Error of Approximation (RMSEA) = 0.026
90 Percent Confidence Interval for RMSEA = (0.0 ; 0.043)
P-Value for Test of Close Fit (RMSEA < 0.05) = 0.99

Expected Cross-Validation Index (ECVI) = 7.25
90 Percent Confidence Interval for ECVI = (6.91 ; 7.86)
ECVI for Saturated Model = 12.02
ECVI for Independence Model = 16.46

Chi-Square for Independence Model with 561 Degrees of Freedom = 1561.90
Independence AIC = 1629.90
Model AIC = 718.01
Saturated AIC = 1190.00
Independence CAIC = 1752.47
Model CAIC = 1038.87
Saturated CAIC = 3335.08

Normed Fit Index (NFI) = 0.58
Non-Normed Fit Index (NNFI) = 0.84
Parsimony Normed Fit Index (PNFI) = 0.53
Comparative Fit Index (CFI) = 0.86
Incremental Fit Index (IFI) = 0.86
Relative Fit Index (RFI) = 0.54

Critical N (CN) = 89.71
Root Mean Square Residual (RMR) = 0.091
Standardized RMR = 0.080
Goodness of Fit Index (GFI) = 0.76
Adjusted Goodness of Fit Index (AGFI) = 0.71
Parsimony Goodness of Fit Index (PGFI) = 0.64

The Modification Indices Suggest to Add the

Path to	from	Decrease in Chi-Square	New Estimate
X13	PER PEM	7.9	0.28
Y22	SIS PEM	10.5	-0.62

The Modification Indices Suggest to Add an Error Covariance

Between	and	Decrease in Chi-Square	New Estimate
Y32	X14	14.3	0.34
Y35	Y34	8.1	-0.30

Time used: 0.681 Seconds

Lampiran 3. Output Pengolahan Data Model Struktural Kelompok Responden Petani

DATE: 7/21/2008

TIME: 17:57

L I S R E L 8.50

BY

Karl G. Jöreskog & Dag Sörbom

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The following lines were read from file C:\Documents and Settings\Admin\My Documents\LATIHAN\petani_rev.spj:

MODEL STRUKTURAL KELOMPOK PETANI

Observed Variables
X11-X15 X21-X24 X31-X35 X41-X45 Y11-Y15 Y21-Y26 Y31-Y35
Covariance matrix from file petani.cov
Sample Size = 200
Latent Variables 'KET PRO' KUALITAS HARGA MODAL 'PER PEM' SDM 'SIS PEM'
Relationships
X11-X15 = MODAL
X21-X24 = 'PER PEM'
X31-X35 = SDM
X41-X45 = 'SIS PEM'
Y11-Y15 = 'KET PRO'
Y21-Y26 = KUALITAS
Y31-Y35 = HARGA
HARGA = 'KET PRO' KUALITAS
'KET PRO' = MODAL 'PER PEM'
KUALITAS = MODAL SDM
HARGA = 'SIS PEM'

Path Diagram
Lisrel output EF
End of Problem

LISREL Estimates (Maximum Likelihood)

Measurement Equations

Y11 = 0.57*KET PRO, Errorvar.= 0.67 , R^2 = 0.32
(0.077)
8.65

Y12 = 0.69*KET PRO, Errorvar.= 0.64 , R^2 = 0.42
(0.11) (0.081)
6.42 7.95

Y13 = 0.63*KET PRO, Errorvar.= 0.93 , R^2 = 0.30
(0.11) (0.11)
5.77 8.78

Y14 = 0.67*KET PRO, Errorvar.= 0.79 , R^2 = 0.36
(0.11) (0.093)
6.12 8.42

Y15 = 0.66*KET PRO, Errorvar.= 0.72 , R^2 = 0.38
(0.11) (0.087)
6.23 8.28

Y21 = 0.63*KUALITAS, Errorvar.= 0.66 , R^2 = 0.37
(0.075)
8.75

Y22 = 0.76*KUALITAS, Errorvar.= 0.69 , R^2 = 0.45
(0.10) (0.084)
7.34 8.27

Y23 = 0.57*KUALITAS, Errorvar.= 0.78 , R^2 = 0.30
(0.092) (0.086)
6.27 9.12

Y24 = 0.72*KUALITAS, Errorvar.= 0.86 , R^2 = 0.37
(0.10) (0.099)
6.84 8.76

Y25 = 0.74*KUALITAS, Errorvar.= 0.84 , R^2 = 0.40
(0.11) (0.097)
6.99 8.64

Y26 = 0.73*KUALITAS, Errorvar.= 0.70 , R^2 = 0.43
(0.10) (0.083)
7.22 8.42

Y31 = 0.58*HARGA, Errorvar.= 0.75 , R^2 = 0.31
(0.086)
8.72

Y32 = 0.84*HARGA, Errorvar.= 0.70 , R^2 = 0.50
(0.13) (0.098)

6.52 7.09

Y33 = 0.68*HARGA, Errorvar.= 0.81 , R^2 = 0.36
(0.11) (0.097)
5.99 8.34

Y34 = 0.60*HARGA, Errorvar.= 0.74 , R^2 = 0.33
(0.10) (0.086)
5.80 8.59

Y35 = 0.68*HARGA, Errorvar.= 0.89 , R^2 = 0.34
(0.12) (0.11)
5.87 8.50

X11 = 0.53*MODAL, Errorvar.= 0.83 , R^2 = 0.25
(0.081) (0.095)
6.51 8.82

X12 = 0.72*MODAL, Errorvar.= 0.74 , R^2 = 0.41
(0.084) (0.099)
8.64 7.52

X13 = 0.59*MODAL, Errorvar.= 0.70 , R^2 = 0.33
(0.077) (0.084)
7.61 8.26

X14 = 0.68*MODAL, Errorvar.= 0.78 , R^2 = 0.37
(0.084) (0.099)
8.14 7.91

X15 = 0.61*MODAL, Errorvar.= 0.74 , R^2 = 0.33
(0.080) (0.089)
7.64 8.24

X21 = 0.57*PER PEM, Errorvar.= 0.70 , R^2 = 0.32
(0.075) (0.081)
7.70 8.67

X22 = 0.79*PER PEM, Errorvar.= 0.62 , R^2 = 0.50
(0.079) (0.087)
10.07 7.16

X23 = 0.65*PER PEM, Errorvar.= 0.87 , R^2 = 0.33
(0.083) (0.10)
7.85 8.61

X24 = 0.71*PER PEM, Errorvar.= 0.66 , R^2 = 0.43
(0.077) (0.084)
9.24 7.83

X31 = 0.75*SDM, Errorvar.= 0.62 , R^2 = 0.48
(0.075) (0.079)
10.05 7.81

X32 = 0.66*SDM, Errorvar.= 0.72 , R^2 = 0.38
(0.076) (0.085)
8.68 8.55

X33 = 0.69*SDM, Errorvar.= 0.62 , R^2 = 0.43
(0.073) (0.076)
9.47 8.16

X34 = 0.61*SDM, Errorvar.= 0.90 , R^2 = 0.29
(0.082) (0.100)
7.41 9.03

X35 = 0.58*SDM, Errorvar.= 0.92 , R^2 = 0.27
(0.082) (0.10)
7.10 9.12

X41 = 0.75*SIS PEM, Errorvar.= 0.76 , R^2 = 0.42
(0.084) (0.10)
8.89 7.62

X42 = 0.61*SIS PEM, Errorvar.= 0.76 , R^2 = 0.33
(0.080) (0.091)
7.66 8.42

X43 = 0.61*SIS PEM, Errorvar.= 0.99 , R^2 = 0.27
(0.089) (0.11)
6.87 8.79

X44 = 0.66*SIS PEM, Errorvar.= 0.83 , R^2 = 0.35
(0.084) (0.100)
7.89 8.29

X45 = 0.62*SIS PEM, Errorvar.= 0.71 , R^2 = 0.35
(0.078) (0.087)
7.97 8.24

Structural Equations

KET PRO = 0.17*MODAL + 0.71*PER PEM, Errorvar.= 0.42 , R^2 = 0.58
(0.085) (0.11) (0.13)
2.04 6.19 3.14

KUALITAS = 0.15*MODAL + 0.74*SDM, Errorvar.= 0.36 , R^2 = 0.64
(0.081) (0.11) (0.11)
1.88 6.93 3.40

HARGA = - 0.24*KET PRO + 0.22*KUALITAS + 0.44*SIS PEM, Errorvar.= 0.58 , R^2 = 0.42
(0.092) (0.093) (0.11) (0.17)
-2.59 2.37 4.05 3.46

Reduced Form Equations

KET PRO = 0.17*MODAL + 0.71*PER PEM + 0.0*SDM + 0.0*SIS PEM, Errorvar.= 0.42, R^2 = 0.58
(0.085) (0.11)
2.04 6.19

KUALITAS = 0.15*MODAL + 0.0*PER PEM + 0.74*SDM + 0.0*SIS PEM, Errorvar.= 0.36, R^2 = 0.64
(0.081) (0.11)
1.88 6.93

HARGA = - 0.0080*MODAL - 0.17*PER PEM + 0.16*SDM + 0.44*SIS PEM, Errorvar.= 0.62, R^2 = 0.38
(0.032) (0.065) (0.069) (0.11)
-0.25 -2.61 2.37 4.05

Goodness of Fit Statistics

Degrees of Freedom = 547
Minimum Fit Function Chi-Square = 643.86 (P = 0.0026)
Normal Theory Weighted Least Squares Chi-Square = 599.31 (P = 0.060)
Estimated Non-centrality Parameter (NCP) = 52.31
90 Percent Confidence Interval for NCP = (0.0 ; 115.90)

Minimum Fit Function Value = 3.24
Population Discrepancy Function Value (F0) = 0.26
90 Percent Confidence Interval for F0 = (0.0 ; 0.58)
Root Mean Square Error of Approximation (RMSEA) = 0.022
90 Percent Confidence Interval for RMSEA = (0.0 ; 0.033)
P-Value for Test of Close Fit (RMSEA < 0.05) = 1.00

Expected Cross-Validation Index (ECVI) = 3.85
90 Percent Confidence Interval for ECVI = (3.58 ; 4.17)
ECVI for Saturated Model = 6.33
ECVI for Independence Model = 11.68

Chi-Square for Independence Model with 595 Degrees of Freedom = 2253.55
Independence AIC = 2323.55
Model AIC = 765.31
Saturated AIC = 1260.00
Independence CAIC = 2473.99
Model CAIC = 1122.07
Saturated CAIC = 3967.94

Normed Fit Index (NFI) = 0.71
Non-Normed Fit Index (NNFI) = 0.94
Parsimony Normed Fit Index (PNFI) = 0.66
Comparative Fit Index (CFI) = 0.94
Incremental Fit Index (IFI) = 0.94
Relative Fit Index (RFI) = 0.69

Critical N (CN) = 194.75

Root Mean Square Residual (RMR) = 0.074
Standardized RMR = 0.062
Goodness of Fit Index (GFI) = 0.85
Adjusted Goodness of Fit Index (AGFI) = 0.83
Parsimony Goodness of Fit Index (PGFI) = 0.74

Time used: 0.621 Seconds

Lampiran 4. Output Pengolahan Data Model Struktural Kelompok Responden Penyuling

DATE: 7/21/2008
TIME: 18:04

L I S R E L 8.50

BY

Karl G. Jöreskog & Dag Sörbom

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MODEL STRUKTURAL KELOMPOK PENYULING

Observed Variables
X11-X15 X21-X24 X31-X35 X41-X45 Y11-Y15 Y21-Y25 Y31-Y35
Covariance matrix from file penyuling_.cov
Sample Size = 52
Latent Variables 'KET PRO' KUALITAS HARGA MODAL 'PER PEM' SDM 'SIS PEM'
Relationships
X11-X15 = MODAL
X21-X24 = 'PER PEM'
X31-X35 = SDM
X41-X45 = 'SIS PEM'
Y11-Y15 = 'KET PRO'
Y21-Y25 = KUALITAS
Y31-Y35 = HARGA
HARGA = 'KET PRO' KUALITAS
'KET PRO' = MODAL 'PER PEM'
KUALITAS = MODAL SDM
HARGA = 'SIS PEM'

Path Diagram
Lisrel output EF
End of Problem

LISREL Estimates (Maximum Likelihood)

Measurement Equations

Y11 = 0.52*KET PRO, Errorvar.= 0.75 , R^2 = 0.26
(0.12)
6.41

Y12 = 0.68*KET PRO, Errorvar.= 0.64 , R^2 = 0.42
(0.16) (0.11)
4.21 5.73

Y13 = 0.57*KET PRO, Errorvar.= 0.72 , R^2 = 0.31
(0.15) (0.12)
3.86 6.24

Y14 = 0.77*KET PRO, Errorvar.= 0.73 , R^2 = 0.45
(0.18) (0.13)
4.27 5.59

Y15 = 0.65*KET PRO, Errorvar.= 0.77 , R^2 = 0.35
(0.16) (0.13)
4.01 6.07

Y21 = 0.50*KUALITAS, Errorvar.= 0.45 , R^2 = 0.35
(0.073)
6.11

Y22 = 0.71*KUALITAS, Errorvar.= 0.47 , R^2 = 0.52
(0.14) (0.090)
5.14 5.18

Y23 = 0.49*KUALITAS, Errorvar.= 0.47 , R^2 = 0.34
(0.11) (0.076)
4.46 6.18

Y24 = 0.51*KUALITAS, Errorvar.= 0.57 , R^2 = 0.31
(0.12) (0.091)
4.32 6.28

Y25 = 0.62*KUALITAS, Errorvar.= 0.48 , R^2 = 0.44
(0.13) (0.085)
4.89 5.69

Y31 = 0.70*HARGA, Errorvar.= 0.65 , R^2 = 0.43
(0.11)
6.00

Y32 = 0.89*HARGA, Errorvar.= 0.69 , R^2 = 0.53
(0.15) (0.13)
5.90 5.48

Y33 = 0.78*HARGA, Errorvar.= 0.78 , R^2 = 0.43
(0.14) (0.13)

5.46 5.99

Y34 = 0.70*HARGA, Errorvar.= 0.75 , R^2 = 0.39
(0.13) (0.12)
5.24 6.16

Y35 = 0.73*HARGA, Errorvar.= 1.09 , R^2 = 0.33
(0.15) (0.17)
4.85 6.38

X11 = 0.56*MODAL, Errorvar.= 0.73 , R^2 = 0.30
(0.11) (0.12)
5.14 6.07

X12 = 0.72*MODAL, Errorvar.= 0.64 , R^2 = 0.45
(0.11) (0.12)
6.45 5.21

X13 = 0.58*MODAL, Errorvar.= 0.62 , R^2 = 0.35
(0.10) (0.11)
5.60 5.82

X14 = 0.78*MODAL, Errorvar.= 0.73 , R^2 = 0.45
(0.12) (0.14)
6.50 5.17

X15 = 0.59*MODAL, Errorvar.= 0.75 , R^2 = 0.32
(0.11) (0.12)
5.33 5.97

X21 = 0.53*PER PEM, Errorvar.= 0.54 , R^2 = 0.34
(0.095) (0.091)
5.63 5.96

X22 = 0.64*PER PEM, Errorvar.= 0.59 , R^2 = 0.41
(0.10) (0.11)
6.28 5.57

X23 = 0.59*PER PEM, Errorvar.= 0.70 , R^2 = 0.33
(0.11) (0.12)
5.48 6.03

X24 = 0.67*PER PEM, Errorvar.= 0.69 , R^2 = 0.39
(0.11) (0.12)
6.07 5.71

X31 = 0.82*SDM, Errorvar.= 0.32 , R^2 = 0.68
(0.090) (0.077)
9.13 4.15

X32 = 0.81*SDM, Errorvar.= 0.58 , R^2 = 0.53
(0.10) (0.11)
7.73 5.46

X33 = 0.60*SDM, Errorvar.= 0.61 , R^2 = 0.37
(0.097) (0.098)
6.16 6.24

X34 = 0.54*SDM, Errorvar.= 1.00 , R^2 = 0.22
(0.12) (0.15)
4.60 6.65

X35 = 0.65*SDM, Errorvar.= 0.78 , R^2 = 0.35
(0.11) (0.12)
6.00 6.29

X41 = 0.64*SIS PEM, Errorvar.= 0.76 , R^2 = 0.35
(0.11) (0.13)
5.72 5.98

X42 = 0.61*SIS PEM, Errorvar.= 0.79 , R^2 = 0.32
(0.11) (0.13)
5.45 6.10

X43 = 0.66*SIS PEM, Errorvar.= 0.86 , R^2 = 0.33
(0.12) (0.14)
5.56 6.05

X44 = 0.81*SIS PEM, Errorvar.= 0.68 , R^2 = 0.49
(0.12) (0.13)
7.00 5.13

X45 = 0.53*SIS PEM, Errorvar.= 0.82 , R^2 = 0.26
(0.11) (0.13)
4.77 6.36

Structural Equations

KET PRO = 0.22*MODAL + 0.81*PER PEM, Errorvar.= 0.29 , R^2 = 0.71
(0.12) (0.19) (0.17)
1.83 4.34 1.73

KUALITAS = 0.25*MODAL + 0.60*SDM, Errorvar.= 0.57 , R^2 = 0.43
(0.12) (0.14) (0.21)
2.12 4.26 2.68

HARGA = - 0.24*KET PRO + 0.42*KUALITAS + 0.52*SIS PEM, Errorvar.= 0.29 , R^2 = 0.71
(0.11) (0.13) (0.13) (0.12)
-2.12 3.29 4.08 2.38

Reduced Form Equations

KET PRO = 0.22*MODAL + 0.81*PER PEM + 0.0*SDM + 0.0*SIS PEM, Errorvar.= 0.29, R^2 = 0.71
(0.12) (0.19)
1.83 4.34

KUALITAS = 0.25*MODAL + 0.0*PER PEM + 0.60*SDM + 0.0*SIS PEM, Errorvar.= 0.57, R^2 = 0.43
(0.12) (0.14)
2.12 4.26

HARGA = 0.053*MODAL - 0.20*PER PEM + 0.26*SDM + 0.52*SIS PEM, Errorvar.= 0.41, R^2 = 0.59
(0.061) (0.088) (0.081) (0.13)
0.86 -2.23 3.17 4.08

Goodness of Fit Statistics

Degrees of Freedom = 514
Minimum Fit Function Chi-Square = 687.45 (P = 0.00)
Normal Theory Weighted Least Squares Chi-Square = 566.69 (P = 0.054)
Estimated Non-centrality Parameter (NCP) = 52.69
90 Percent Confidence Interval for NCP = (0.0 ; 114.78)

Minimum Fit Function Value = 6.94
Population Discrepancy Function Value (F0) = 0.53
90 Percent Confidence Interval for F0 = (0.0 ; 1.16)
Root Mean Square Error of Approximation (RMSEA) = 0.032
90 Percent Confidence Interval for RMSEA = (0.0 ; 0.047)
P-Value for Test of Close Fit (RMSEA < 0.05) = 0.97

Expected Cross-Validation Index (ECVI) = 7.36
90 Percent Confidence Interval for ECVI = (6.83 ; 7.99)
ECVI for Saturated Model = 12.02
ECVI for Independence Model = 16.46

Chi-Square for Independence Model with 561 Degrees of Freedom = 1561.90
Independence AIC = 1629.90
Model AIC = 728.69
Saturated AIC = 1190.00
Independence CAIC = 1752.47
Model CAIC = 1020.71
Saturated CAIC = 3335.08

Normed Fit Index (NFI) = 0.56
Non-Normed Fit Index (NNFI) = 0.81
Parsimony Normed Fit Index (PNFI) = 0.51
Comparative Fit Index (CFI) = 0.83
Incremental Fit Index (IFI) = 0.83
Relative Fit Index (RFI) = 0.52

Critical N (CN) = 86.19

Root Mean Square Residual (RMR) = 0.11
Standardized RMR = 0.097
Goodness of Fit Index (GFI) = 0.75
Adjusted Goodness of Fit Index (AGFI) = 0.71
Parsimony Goodness of Fit Index (PGFI) = 0.65

Lampiran 5. Perhitungan Konversi Luas Lahan terhadap Berat Produk Minyak Yang Dihasilkan

Asumsi-asumsi[1] :

1. 1 ha lahan yang ditanami bisa menghasilkan panen 25 tondaun basah.
2. Dalam satu tahun didapatkan 3 kali waktu panen.
3. Daun dikeringkan susut menjadi 20 %.
4. Daun melalui proses penyulingan, didapatkan rendemen 2 %.

Jika lahan di Lima Kabupaten (Garut, Sumedang, Tasikmalaya,Kuningan dan Majalengka) memiliki total luas lahan baku untuk tanaman nilam seluas 2292 ha, maka :

Untuk 1 x waktu panen, didapatkan :
2292 x 25 ton = 57.300 ton

Dalam setahun, didapatkan :
3 x 57.300 ton = 171.900 ton daun basah

Setelah daun basah dikeringkan dan melalui proses penyulingan, maka didapatkan produk minyak nilam sebanyak :

0,004 x 171.900 ton = 687,6 ton

[1] www.patchoulisumatra.com