

LAMPIRAN

Lampiran 1 : Hasil Perhitungan Modal Intelektual

No	Kode Perusahaan	Tahun	VACA	VAHU	STVA
1	AALI	2016	0.12	4.04	0.75
		2017	0.12	4.04	0.75
		2018	0.08	2.73	0.63
2	ADHI	2016	0.11	2.50	0.60
		2017	0.09	1.90	0.47
		2018	0.13	2.27	0.56
3	ADRO	2016	0.12	3.58	0.72
		2017	0.16	3.66	0.73
		2018	0.14	4.62	0.78
4	AKRA	2016	0.16	3.86	0.74
		2017	0.16	4.84	0.79
		2018	0.18	5.26	0.81
5	ANTM	2016	0.11	2.37	0.58
		2017	0.13	2.57	0.61
		2018	0.11	1.82	0.45
6	ASII	2016	0.22	2.31	0.57
		2017	0.22	2.27	0.56
		2018	0.23	2.36	0.58
7	ASRI	2016	0.07	3.50	0.71
		2017	0.16	8.76	0.89
		2018	0.14	7.47	0.87
8	BBCA	2016	0.31	3.86	0.74

		2017	0.28	3.80	0.74
		2018	0.27	3.91	0.74
9	BBNI	2016	0.30	3.41	0.71
		2017	0.24	2.98	0.66
		2018	0.30	3.96	0.75
10	BBRI	2016	0.34	3.15	0.68
		2017	0.34	3.26	0.69
		2018	0.34	3.26	0.69
11	BBTN	2016	0.28	2.78	0.64
		2017	0.29	2.89	0.65
		2018	0.31	2.92	0.66
12	BJBR	2016	0.30	1.53	0.35
		2017	0.30	1.54	0.35
		2018	0.29	0.17	0.41
13	BKSL	2016	0.08	6.53	0.85
		2017	0.05	0.62	0.84
		2018	0.04	5.06	0.80
14	BMRI	2016	0.31	4.06	0.75
		2017	0.28	3.92	0.75
		2018	0.26	3.53	0.72
15	BMTR	2016	0.14	1.71	0.42
		2017	0.15	2.05	0.51
		2018	0.20	2.60	0.62
16	BRPT	2016	0.17	12.13	0.92
		2017	0.13	11.54	0.91
		2018	0.11	6.02	0.83
17	BSDE	2016	0.10	3.49	0.71
		2017	0.17	6.98	0.86
		2018	0.08	2.86	0.65

18	CPIN	2016	0.17	3.72	0.73
		2017	0.21	2.90	0.65
		2018	0.26	4.11	0.76
19	ELSA	2016	0.35	1.38	0.28
		2017	0.33	1.32	0.24
		2018	0.31	1.23	0.19
20	GGRM	2016	0.21	3.35	0.70
		2017	0.22	3.46	0.71
		2018	0.21	3.23	0.69
21	HMSP	2016	0.36	4.01	0.75
		2017	0.37	0.37	0.73
		2018	0.36	3.62	0.72
22	ICBP	2016	0.31	2.18	0.54
		2017	0.30	2.10	0.52
		2018	0.31	2.20	0.55
23	INCO	2016	0.04	1.03	0.03
		2017	0.04	0.83	-0.21
		2018	0.08	1.66	0.40
24	INDF	2016	0.23	1.81	0.45
		2017	0.23	1.76	0.43
		2018	0.23	1.69	0.41
25	INKP	2016	0.10	4.37	0.77
		2017	0.14	7.47	0.87
		2018	0.15	8.86	0.89
26	INTP	2016	0.15	8.33	0.88
		2017	0.09	4.12	0.76
		2018	0.08	3.02	0.67
27	ITMG	2016	0.19	4.39	0.77
		2017	0.28	6.37	0.84

		2018	0.32	6.25	0.84
28	JSMR	2016	0.19	1.83	0.45
		2017	0.19	2.11	0.53
		2018	0.22	1.88	0.47
29	KLBF	2016	0.31	2.03	0.51
		2017	0.30	2.01	0.50
		2018	0.29	1.96	0.49
30	LPKR	2016	0.11	1.64	0.39
		2017	0.02	0.34	-1.97
		2018	0.18	2.54	0.61
31	LPPF	2016	0.77	3.10	0.68
		2017	0.70	2.90	0.66
		2018	0.58	2.06	0.51
32	LSIP	2016	0.25	1.47	0.32
		2017	0.26	1.46	0.32
		2018	0.24	1.17	0.14
33	MEDC	2016	0.28	6.58	0.85
		2017	0.15	2.98	0.66
		2018	0.06	1.11	0.10
34	MNCN	2016	0.20	3.35	0.70
		2017	0.20	3.28	0.69
		2018	0.22	3.64	0.73
35	PGAS	2016	0.11	4.74	0.79
		2017	0.07	2.77	0.64
		2018	0.12	3.58	0.72
36	PPRO	2016	0.12	10.18	0.90
		2017	0.09	12.14	0.92
		2018	0.09	9.54	0.90
37	PTBA	2016	0.26	2.40	0.58

		2017	0.37	2.92	0.66
		2018	0.42	2.88	0.65
38	PTPP	2016	0.08	84.42	0.99
		2017	0.09	46.54	0.98
		2018	0.07	30.07	0.97
39	PWON	2016	0.16	7.20	0.86
		2017	0.17	6.25	0.84
		2018	0.19	7.50	0.87
40	SCMA	2016	0.37	4.65	0.78
		2017	0.30	4.12	0.76
		2018	0.30	4.08	0.76
41	SILO	2016	0.30	1.16	0.14
		2017	0.15	1.12	0.10
		2018	0.16	1.03	0.03
42	SMGR	2016	0.20	2.72	0.63
		2017	0.15	1.70	0.41
		2018	0.16	2.18	0.54
43	SMRA	2016	0.13	2.22	0.55
		2017	0.12	1.93	0.48
		2018	0.14	2.07	0.52
44	SRIL	2016	0.23	2.95	0.66
		2017	0.21	2.89	0.65
		2018	0.20	2.03	0.51
45	SSMS	2016	0.26	2.94	0.66
		2017	0.25	2.83	0.65
		2018	0.11	1.24	0.19
46	TBIG	2016	0.38	4.57	0.78
		2017	0.47	10.57	0.91
		2018	0.22	4.24	0.76

47	TLKM	2016	0.28	3.36	0.70
		2017	0.31	3.78	0.74
		2018	0.27	3.12	0.68
48	TPIA	2016	0.24	6.61	0.85
		2017	0.20	5.36	0.81
		2018	0.14	3.30	0.70
49	UNTR	2016	0.23	1.96	0.49
		2017	0.26	2.13	0.53
		2018	0.28	2.46	0.59
50	UNVR	2016	0.71	5.27	0.81
		2017	0.70	5.53	0.82
		2018	0.47	4.89	0.80
51	WIKA	2016	0.11	2.22	0.55
		2017	0.13	1.80	0.45
		2018	0.17	2.23	0.55
52	WSBP	2016	0.09	8.15	0.88
		2017	0.17	3.32	0.70
		2018	0.23	2.59	0.61
53	WSKT	2016	0.12	5.26	0.81
		2017	0.19	5.99	0.83
		2018	0.17	5.42	0.82

Lampiran 2 : Statistik Deskriptif Modal Intelektual

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
VACA	159	.02	.77	.2186	.12649
VAHU	159	.17	84.42	4.5594	7.85929
STVA	159	-1.97	.99	.6233	.29319
Valid N (listwise)	159				

Lampiran 3 : Hasil Perhitungan Kinerja Perusahaan

No	Kode Perusahaan	Tahun	Quick Ratio	Current Ratio	Cash Ratio
1	AALI	2016	49.57	103.22	27.38
		2017	96.46	183.84	25.66
		2018	69.31	146.29	27.49
2	ADHI	2016	111.78	129.30	72.84
		2017	119.86	140.74	79.28
		2018	111.10	134.10	79.13
3	ADRO	2016	235.71	247.10	41.95
		2017	244.88	255.94	39.95
		2018	182.29	196.00	39.06
4	AKRA	2016	73.23	127.10	49.00
		2017	95.13	162.38	46.33
		2018	88.82	139.76	50.22
5	ANTM	2016	212.34	244.24	38.60
		2017	139.40	162.04	28.39
		2018	117.40	154.19	40.73
6	ASII	2016	104.00	123.94	46.57
		2017	103.10	122.86	47.12
		2018	89.88	112.63	49.41
7	ASRI	2016	54.56	89.75	64.39
		2017	43.17	73.74	58.64
		2018	46.54	65.18	54.28
8	BBCA	2016	12.90	119.33	82.83
		2017	11.81	121.04	81.96
		2018	11.59	122.32	81.04

9	BBNI	2016	11.18	120.10	81.70
		2017	13.00	119.60	82.34
		2018	11.10	118.00	83.02
10	BBRI	2016	12.41	118.84	83.71
		2017	10.81	117.80	83.39
		2018	11.93	117.21	84.10
11	BBTN	2016	7.94	115.27	85.37
		2017	7.76	115.52	85.68
		2018	8.53	115.10	86.08
12	BJBR	2016	10.10	113.54	85.05
		2017	11.01	112.51	85.95
		2018	15.64	111.52	86.56
13	BKSL	2016	64.00	141.10	36.97
		2017	83.25	155.60	33.61
		2018	67.10	147.00	34.65
14	BMRI	2016	12.05	123.38	79.38
		2017	11.45	124.60	78.25
		2018	13.04	124.42	78.35
15	BMTR	2016	88.67	118.39	43.50
		2017	150.45	218.57	49.00
		2018	88.16	134.87	50.63
16	BRPT	2016	96.66	133.83	43.66
		2017	144.59	172.26	44.64
		2018	151.31	174.85	61.63
17	BSDE	2016	156.91	291.10	36.52
		2017	132.84	237.35	36.46
		2018	191.00	336.19	41.87
18	CPIN	2016	97.23	212.92	41.51
		2017	92.53	231.66	35.97

		2018	134.20	297.87	29.86
19	ELSA	2016	138.31	148.71	31.33
		2017	129.88	135.37	37.14
		2018	141.31	149.20	41.67
20	GGRM	2016	20.28	193.79	37.15
		2017	25.85	193.55	36.81
		2018	30.56	205.81	34.68
21	HMSP	2016	221.00	523.41	19.60
		2017	249.22	527.23	20.93
		2018	257.54	430.17	24.13
22	ICBP	2016	192.61	240.68	36.00
		2017	195.10	242.83	35.72
		2018	139.87	195.17	33.93
23	INCO	2016	355.60	453.94	17.56
		2017	370.71	461.76	16.72
		2018	284.71	359.87	14.47
24	INDF	2016	106.74	150.81	46.53
		2017	105.49	150.27	46.83
		2018	69.31	106.63	48.29
25	INKP	2016	88.37	159.83	59.01
		2017	146.10	209.28	57.85
		2018	211.20	284.74	56.90
26	INTP	2016	396.65	452.50	13.31
		2017	319.47	370.31	14.92
		2018	266.91	313.73	16.43
27	ITMG	2016	199.72	225.68	25.00
		2017	210.17	243.35	29.48
		2018	168.91	196.58	32.78
28	JSMR	2016	69.14	69.60	69.46

		2017	75.42	75.95	76.82
		2018	37.88	38.00	75.49
29	KLBF	2016	268.78	413.11	18.14
		2017	291.22	450.94	16.38
		2018	313.79	465.77	15.71
30	LPKR	2016	224.74	545.47	51.59
		2017	179.41	513.68	47.40
		2018	93.16	402.76	49.58
31	LPPF	2016	76.45	114.90	61.82
		2017	75.39	113.90	57.11
		2018	62.92	110.00	63.95
32	LSIP	2016	173.01	245.91	19.17
		2017	446.90	520.93	16.65
		2018	372.57	465.69	17.00
33	MEDC	2016	123.64	131.80	75.24
		2017	145.80	152.67	72.82
		2018	160.15	165.80	73.59
34	MNCN	2016	111.65	158.10	33.38
		2017	298.75	460.40	34.91
		2018	212.65	340.66	34.87
35	PGAS	2016	252.57	260.58	53.61
		2017	374.41	387.44	49.36
		2018	149.27	154.16	59.67
36	PPRO	2016	128.10	199.34	66.20
		2017	162.92	209.31	60.19
		2018	121.37	183.16	64.68
37	PTBA	2016	143.72	165.58	43.20
		2017	220.72	246.34	37.24
		2018	206.42	237.85	32.69

38	PTPP	2016	135.49	154.59	65.47
		2017	132.80	144.48	65.91
		2018	123.95	141.52	68.95
39	PWON	2016	70.74	132.67	46.70
		2017	95.39	171.53	45.24
		2018	143.94	231.25	38.80
40	SCMA	2016	228.47	298.10	23.13
		2017	261.34	364.38	18.20
		2018	308.91	426.14	16.87
41	SILO	2016	238.10	262.64	25.78
		2017	226.25	248.89	16.89
		2018	160.94	180.26	17.91
42	SMGR	2016	94.48	127.25	30.87
		2017	114.90	156.78	37.83
		2018	153.39	196.72	35.78
43	SMRA	2016	74.29	205.44	60.76
		2017	42.38	145.93	61.44
		2018	36.20	145.32	61.11
44	SRIL	2016	215.79	354.00	65.00
		2017	216.23	368.20	62.93
		2018	163.53	308.47	62.16
45	SSMS	2016	127.42	136.69	51.78
		2017	347.69	420.93	57.88
		2018	505.80	527.70	63.98
46	TBIG	2016	60.12	67.61	93.12
		2017	98.14	99.16	87.56
		2018	31.20	31.56	87.36
47	TLKM	2016	118.50	119.97	41.24
		2017	103.42	104.82	43.51

		2018	91.99	93.53	43.11
48	TPIA	2016	49.57	102.75	27.38
		2017	96.49	183.84	25.66
		2018	69.31	146.29	27.49
49	UNTR	2016	191.16	229.88	33.39
		2017	152.76	180.44	42.21
		2018	86.16	114.07	50.94
50	UNVR	2016	39.25	60.56	71.91
		2017	44.27	63.37	72.64
		2018	50.89	74.77	61.18
51	WIKA	2016	150.83	158.64	59.38
		2017	128.00	134.40	67.97
		2018	133.00	154.17	70.93
52	WSBP	2016	226.83	231.59	46.10
		2017	141.13	152.43	50.96
		2018	109.29	139.70	48.22
53	WSKT	2016	118.77	126.94	72.70
		2017	94.04	100.23	76.76
		2018	117.04	117.94	76.78

Lampiran 4 : Statistik Deskriptif Kinerja Perusahaan

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Quick	159	7.76	505.80	136.2690	97.35834
Current	159	31.56	545.47	203.8462	119.10122
Cash	159	13.31	93.12	49.9033	21.24113
Valid N (listwise)	159				

Lampiran 5 : Hasil Perhitungan Profitabilitas

No	Kode Perusahaan	Tahun	ROA	ROE	NPM
1	AALI	2016	8.73	12.02	14.97
		2017	8.04	10.80	11.67
		2018	6.23	8.59	8.76
2	ADHI	2016	1.57	5.79	2.85
		2017	1.82	8.81	3.41
		2018	1.71	8.17	3.28
3	ADRO	2016	5.22	9.00	13.50
		2017	7.87	13.11	16.46
		2018	6.76	11.10	13.19
4	AKRA	2016	6.61	12.97	6.88
		2017	7.75	14.45	7.13
		2018	8.01	16.08	6.78
5	ANTM	2016	0.22	0.35	0.71
		2017	0.45	0.74	1.08
		2018	2.63	4.43	3.46
6	ASII	2016	6.99	13.08	10.11
		2017	7.84	14.82	11.24
		2018	7.94	15.70	11.44
7	ASRI	2016	2.53	7.10	18.79
		2017	6.68	16.16	35.36
		2018	4.65	10.16	24.42
8	BBCA	2016	3.05	18.30	40.92
		2017	3.11	17.75	43.37
		2018	3.13	17.04	45.54

9	BBNI	2016	1.89	12.78	26.07
		2017	1.94	13.65	28.58
		2018	1.87	13.67	27.88
10	BBRI	2016	2.61	17.86	28.46
		2017	2.58	17.36	28.23
		2018	2.50	19.45	29.05
11	BBTN	2016	1.22	13.69	15.28
		2017	1.16	13.98	15.71
		2018	0.92	11.78	12.29
12	BJBR	2016	1.13	11.92	10.80
		2017	1.05	11.99	10.55
		2018	1.29	13.76	13.03
13	BKSL	2016	4.95	7.85	46.61
		2017	3.13	4.71	28.86
		2018	2.27	3.47	28.00
14	BMRI	2016	1.41	9.55	19.10
		2017	1.91	12.61	26.97
		2018	2.15	13.98	28.30
15	BMTR	2016	3.19	5.65	7.52
		2017	3.81	7.46	9.73
		2018	4.67	9.45	11.56
16	BRPT	2016	10.88	19.32	14.27
		2017	7.68	13.88	11.41
		2018	3.44	8.96	7.87
17	BSDE	2016	5.32	8.37	31.24
		2017	11.29	17.77	50.15
		2018	3.27	5.62	25.67
18	CPIN	2016	9.19	15.72	5.82
		2017	10.18	15.90	5.06

		2018	16.46	23.47	8.44
19	ELSA	2016	7.54	10.98	8.73
		2017	5.16	8.22	5.04
		2018	4.88	8.37	4.17
20	GGRM	2016	10.60	16.87	8.75
		2017	11.62	18.38	9.31
		2018	11.28	17.27	8.14
21	HMSP	2016	30.02	37.34	13.37
		2017	29.37	37.14	12.79
		2018	29.05	38.29	12.68
22	ICBP	2016	12.56	19.63	9.21
		2017	11.21	17.43	10.54
		2018	13.56	20.52	9.95
23	INCO	2016	0.09	0.10	0.33
		2017	-0.70	-0.84	-2.43
		2018	2.75	3.21	7.79
24	INDF	2016	6.41	11.99	7.90
		2017	5.85	11.00	7.33
		2018	5.14	9.94	6.76
25	INKP	2016	2.95	7.19	7.45
		2017	5.41	12.84	13.21
		2018	6.72	15.60	17.64
26	INTP	2016	12.84	14.81	25.19
		2017	6.44	7.57	12.89
		2018	4.12	4.12	7.54
27	ITMG	2016	10.80	14.40	9.56
		2017	18.60	26.37	14.96
		2018	17.94	26.68	12.89
28	JSMR	2016	3.37	11.04	10.82

		2017	2.64	11.40	5.97
		2018	2.47	10.08	5.51
29	KLBF	2016	15.44	18.86	12.13
		2017	14.76	17.66	12.16
		2018	13.76	16.33	11.85
30	LPKR	2016	2.69	5.56	11.89
		2017	1.51	2.87	7.75
		2018	3.39	6.72	15.28
31	LPPF	2016	41.57	108.86	20.41
		2017	35.14	81.92	19.03
		2018	21.79	60.43	10.71
32	LSIP	2016	6.27	7.75	15.41
		2017	7.44	8.91	15.48
		2018	3.28	3.95	8.20
33	MEDC	2016	5.20	21.00	31.16
		2017	2.55	9.40	14.24
		2018	-0.54	-2.05	-2.33
34	MNCN	2016	10.41	15.63	22.03
		2017	10.41	15.99	22.23
		2018	9.83	15.09	21.57
35	PGAS	2016	4.52	9.73	10.51
		2017	2.35	4.64	12.70
		2018	4.59	11.39	16.67
36	PPRO	2016	4.14	12.31	16.99
		2017	3.66	9.19	16.97
		2018	3.02	8.54	19.43
37	PTBA	2016	10.90	19.18	14.40
		2017	20.68	32.95	23.35
		2018	21.19	31.48	24.19

38	PTPP	2016	3.69	10.67	7.00
		2017	4.13	12.10	8.02
		2018	3.73	12.01	7.80
39	PWON	2016	8.61	16.16	36.77
		2017	8.67	15.83	35.41
		2018	11.30	18.46	39.92
40	SCMA	2016	31.35	40.78	33.40
		2017	24.47	29.91	29.59
		2018	24.03	28.91	29.49
41	SILO	2016	2.34	3.15	1.91
		2017	1.36	1.64	1.77
		2018	0.34	0.42	0.44
42	SMGR	2016	10.25	14.83	17.35
		2017	4.17	6.71	7.35
		2018	6.03	9.43	10.06
43	SMRA	2016	2.91	7.41	11.21
		2017	2.46	6.37	9.44
		2018	2.96	7.62	12.20
44	SRIL	2016	6.27	17.93	8.73
		2017	6.75	18.22	10.61
		2018	6.20	16.38	8.18
45	SSMS	2016	8.26	17.13	21.73
		2017	8.22	19.51	24.40
		2018	0.77	2.13	2.39
46	TBIG	2016	3.06	44.53	19.49
		2017	90.11	73.44	58.14
		2018	2.41	19.10	16.27
47	TLKM	2016	16.24	27.64	25.08
		2017	16.48	29.16	25.50

		2018	13.08	23.00	20.63
48	TPIA	2016	14.10	26.29	15.55
		2017	11.20	20.05	13.83
		2018	5.74	10.30	7.17
49	UNTR	2016	7.98	11.98	11.21
		2017	9.33	16.14	11.89
		2018	9.89	20.15	13.59
50	UNVR	2016	38.16	135.85	15.96
		2017	37.05	135.40	17.00
		2018	46.66	120.21	21.79
51	WIKA	2016	3.69	9.18	7.32
		2017	2.97	9.27	5.18
		2018	3.50	12.04	6.65
52	WSBP	2016	4.62	8.57	13.46
		2017	6.70	13.67	14.08
		2018	7.25	14.00	13.79
53	WSKT	2016	2.95	10.81	7.62
		2017	4.29	18.46	9.29
		2018	3.71	15.99	9.47

Lampiran 6 : Statistik Deskriptif Profitabilitas

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
ROA	159	- .70	90.11	8.5911	10.66923
ROE	159	-2.05	135.85	17.6309	20.76655
NPM	159	-2.43	58.14	15.2916	10.63599
Valid N (listwise)	159				

Lampiran 7 : Hasil WarpPIs

Model fit and quality indices

Average path coefficient (APC)=0.145, P=0.015

Average R-squared (ARS)=0.054, P=0.124

Average adjusted R-squared (AARS)=0.041, P=0.150

Average block VIF (AVIF)=1.743, acceptable if <= 5, ideally <= 3.3

Average full collinearity VIF (AFVIF)=1.890, acceptable if <= 5, ideally <= 3.3

Tenenhaus GoF (GoF)=0.208, small >= 0.1, medium >= 0.25, large >= 0.36

Sympson's paradox ratio (SPR)=0.500, acceptable if >= 0.7, ideally = 1

R-squared contribution ratio (RSCR)=0.856, acceptable if >= 0.9, ideally = 1

Statistical suppression ratio (SSR)=1.000, acceptable if >= 0.7

Nonlinear bivariate causality direction ratio (NLBCDR)=0.750, acceptable if >= 0.7

* Path coefficients and P values *

Path coefficients

X	Y	Z	Z*X
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Y -0.237 -0.052

P values

X Y Z Z*X

Y <0.001 0.253

* Combined loadings and cross-loadings *

	X	Y	Z	Z*X	Type (a)	SE	P value
X2	0.813	0.115	-0.499	0.605	Reflect	0.067	<0.001
X3	0.813	-0.115	0.499	-0.605	Reflect	0.067	<0.001
Y1	0.082	0.960	-0.039	0.042	Reflect	0.064	<0.001
Y2	-0.082	0.960	0.039	-0.042	Reflect	0.064	<0.001
Z1	0.075	0.163	0.925	0.148	Reflect	0.065	<0.001
Z2	-0.322	-0.084	0.897	-0.316	Reflect	0.065	<0.001
Z3	0.392	-0.134	0.562	0.262	Reflect	0.070	<0.001
Z*X	0.000	0.000	-0.000	1.000	Reflect	0.064	<0.001

* Latent variable coefficients *

R-squared coefficients

X Y Z Z*X

0.054

Adjusted R-squared coefficients

X Y Z Z*X

0.041

Composite reliability coefficients

X Y Z Z*X

0.796 0.959 0.847 1.000

Cronbach's alpha coefficients

X	Y	Z	Z*X
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0.487	0.915	0.722	1.000
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Average variances extracted

X	Y	Z	Z*X
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0.661	0.922	0.659	1.000
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