LAMPIRAN 1. DAFTAR PERUSAHAAN MANUFAKTUR DAN PERUSAHAAN JASA BERDASARKAN KRITERIA SAMPEL

No	Sektor	Kode	Nama Perusahaan	Mengunggah Laporan Keuangan Audit Periode 2013-2016	Mencantumkan akun biaya *research and development* periode 2013-2016	Mencantumkan persentase kepemilikan saham periode 2013-2016
Perusahaan Manufaktur						
1	Sektor Industri Barang Konsumsi	UNVR	Unilever Indonesia Tbk	✓	✓	✓
2		ULTJ	Ultra Jaya Milk Industry Tbk	✓	✓	✓
3		CEKA	Wilmar Cahaya Indonesia Tbk	✓	✓	✓
4		AISA	Tiga Pilar Sejahtera Food Tbk	✓	✓	✓
5		KLBF	Kalbe Farma Tbk	✓	✓	✓
6		KAEF	Kimia Farma (Persero) Tbk	✓	✓	✓
7		INAF	Indofarma Tbk	✓	✓	✓
8		WIIM	Wismilak Inti Makmur Tbk	✓	✓	✓
9		TSPC	Tempo Scan Pasific Tbk	✓	✓	✓
10		PYFA	Pyridam Farma Tbk	✓	✓	✓
11		MYOR	Mayora Indah Tbk	✓	✓	✓
12		TCID	Mandom Indonesia Tbk	✓	✓	✓
13		HMSP	Handjaya Mandala Sampoerna Tbk	✓	✓	✓
14	Sektor Aneka Industri	TFCO	Tifico Fiber Indonesia Tbk	✓	✓	✓
15		SRIL	PT. Sri Rejeki Isman Tbk	✓	✓	✓
16		RICY	Ricky Putra Globalindo Tbk	✓	✓	✓
17		AUTO	Astra Otoparts Tbk	✓	✓	✓

18	Sektor Industri Dasar dan Kimia	IGAR	Champion Pasific Indonesia Tbk	✓	✓	✓
19		SRSN	Indo Acidatama Tbk	✓	✓	✓
20		SMGR	Semen Indonesia (Persero) Tbk	✓	✓	✓
21		INTP	Indocement Tunggal Prakarsa Tbk	✓	✓	✓
22		LION	Lion Metal Works Tbk	✓	✓	✓
23		SMBR	PT. Semen Batu Raja (Persero) Tbk	✓	✓	✓
Perusahaan Jasa						
24	Sektor Perdagangan, Jasa dan Investasi	MICE	PT Multi Indocitra Tbk	✓	✓	✓
25		PJAA	PT Pembangunan Jaya Ancol Tbk	✓	✓	✓
26		SHID	PT Hotel Sahid Jaya Tbk	✓	✓	✓
27		VIVA	PT Visi Media Asia Tbk	✓	✓	✓
28	Sektor Keuangan	BBCA	PT. Bank Central Asia Tbk	✓	✓	✓
29		BBRI	PT. Bank Rakyat Indonesia Tbk	✓	✓	✓
30		BNII	PT. Bank Maybank Indonesia Tbk	✓	✓	✓
31		BSIM	PT. Bank Sinarmas Tbk	✓	✓	✓
32		NISP	PT. Bank OCBC NISP Tbk	✓	✓	✓
33		ASBI	Asuransi Bintang Tbk	✓	✓	✓
34		BBNI	PT. Bank Negara Indonesia Tbk	✓	✓	✓
35	Sektor Property, Real Estate dan Konstruksi Bangunan	ADHI	PT. Adhi Karya (Persero) Tbk	✓	✓	✓
36		WIKA	PT. Wijaya Karya Tbk	✓	✓	✓

LAMPIRAN 2. HASIL PENGUJIAN *OUTLIER*

N	Kode	ZX	ZZ	ZY
1	ULTJ	0.46314	-0.26396	0.2013
2		0.45829	-0.36165	0.03229
3		0.58277	-0.36403	-0.04384
4		1.42321	-0.36494	-0.08913
5	CEKA	-1.25964	-0.33761	-0.3483
6		-1.25964	-0.35605	-0.31095
7		-1.21349	-0.34714	-0.35933
8		-1.25964	-0.34188	-0.33571
9	AISA	0.99085	-0.35892	-0.19669
10		0.60342	-0.3288	-0.20942
11		0.54694	-0.34204	-0.27233
12		0.54512	-0.36316	-0.25336
13	KLBF	0.93012	-0.29936	0.23762
14		0.93012	-0.32736	0.41424
15		0.93194	-0.30594	0.10749
16		0.94287	-0.31276	0.11104
17	KAEF	-1.09325	-0.10248	-0.24442
18		-1.09325	-0.14188	0.00883
19		-1.09325	-0.10458	-0.167
20		-1.09325	-0.0865	0.2573
21	WIIM	0.12308	-0.33065	-0.22768
22		0.12308	-0.32172	-0.24552
23		0.3587	-0.20285	-0.3115
24		0.01803	-0.24619	-0.31762
25	TSPC	-0.32264	-0.35474	-0.08718
26		-0.33358	-0.34744	-0.14462
27		-0.37244	-0.32301	-0.27034
28		-0.38823	-0.33802	-0.25803
29	PYFA	-0.29775	0.7612	-0.29646
30		-0.29775	0.04239	-0.3191
31		-0.29775	0.60655	-0.34394
32		-0.29775	-0.00248	-0.30632
33	MYOR	2.36567	-0.26665	0.17881
34		2.36567	-0.27764	0.06571
35		2.36567	-0.25544	0.10311
36		-0.74469	-0.24106	0.1562
37	TCID	-0.42236	-0.2513	-0.23377
38		-0.42199	-0.2447	-0.14409

39		-0.11436	-0.26882	-0.25389
40		-0.11472	-0.27753	-0.30034
41	TFCO	-1.62885	-0.36351	-0.35163
42		-1.63371	-0.36176	-0.30191
43		-1.64039	-0.35621	-0.31972
44		-1.63432	-0.35614	-0.31388
45	SRIL	0.96595	-0.31391	-0.12849
46		0.96595	-0.23711	-0.21458
47		0.46793	-0.07525	-0.12434
48		0.966	-0.18674	-0.21466
49	RICY	1.45661	-0.32904	-0.35955
50		1.45661	-0.32826	-0.3035
51		1.45904	-0.36497	-0.30212
52		1.45661	-0.36644	-0.29648
53	AUTO	-0.48782	-0.29673	-0.24608
54		-0.48539	-0.22086	-0.21881
55		-0.48417	-0.1988	-0.33776
56		-0.48417	-0.24901	-0.32209
57	IGAR	-0.77687	-0.36379	-0.33036
58		-0.77687	-0.34452	-0.34524
59		-0.77687	-0.31261	-0.39408
60		-0.77687	-0.33992	-0.33942
61	SRSN	-0.93354	-0.16808	-0.3281
62		-1.06592	-0.0405	-0.33926
63		-1.06592	-0.22881	-0.33188
64		-1.09447	-0.14961	-0.3261
65	SMGR	1.27626	-0.36209	-0.03645
66		1.27626	-0.36357	-0.0427
67		1.27626	-0.36393	-0.17143
68		1.27626	-0.36	-0.22906
69	INTP	0.48561	-0.33943	-0.15812
70		0.48561	-0.34215	-0.09853
71		0.48561	-0.34169	-0.11647
72		1.27687	-0.33931	-0.24248
73	LION	0.85543	1.93979	-0.32668
74		0.85543	2.09481	-0.35634
75		0.85543	2.4171	-0.34366
76		0.85543	2.11179	-0.34532
77	SMBR	-0.25585	-0.31727	-0.3633
78		-0.25585	-0.24931	-0.35827
79		-0.25585	-0.21461	-0.37615

80		-0.25585	-0.31077	0.46274
81	MICE	0.31012	-0.34265	-0.39747
82		1.26108	-0.3609	-0.40835
83		0.73702	-0.29197	-0.40195
84		0.67325	-0.30359	-0.39173
85	PJAA	-1.09204	-0.2604	-0.27366
86		-1.09204	-0.2571	-0.20218
87		-1.09204	-0.20077	-0.20455
88		-1.09204	-0.21242	-0.1936
89	SHID	-1.17098	-0.24044	-0.33975
90		-1.17098	-0.35863	-0.34455
91		-1.17098	-0.3241	-0.31423
92		-1.17098	-0.3252	-0.27479
93	VIVA	0.33805	-0.10487	-0.17366
94		0.23664	-0.16218	-0.10855
95		0.12369	-0.13352	-0.13052
96		-0.00323	-0.09717	-0.16483
97	BBCA	1.38799	-0.30367	-0.06621
98		1.3886	-0.30843	-0.00872
99		1.3886	-0.32994	-0.09149
100		1.39164	-0.33588	-0.06355
101	BBRI	0.92769	-0.34958	-0.28348
102		0.92769	-0.35613	-0.205
103		0.89794	-0.35325	-0.25844
104		0.87304	-0.35036	-0.30286
105	BNII	-1.53412	0.31075	-0.3323
106		-1.53412	0.20906	-0.34059
107		-1.53412	0.27825	-0.41251
108		-1.53412	0.20327	-0.3362
109	BSIM	0.73216	-0.04068	-0.37867
110		0.97142	1.05315	-0.3453
111		0.99814	0.57376	-0.33381
112		0.81231	0.30699	-0.18686
113	NISP	-0.79327	-0.24451	-0.40859
114		-0.79327	-0.27516	-0.40893
115		-0.79327	-0.32552	-0.42278
116		-0.79327	-0.30347	-0.38155
117	ASBI	-1.25721	-0.16405	-0.35012
118		-0.57951	-0.12791	-0.29119
119		-0.57951	-0.32786	-0.37473
120		-0.57951	-0.1915	-0.33625

121	BBNI	0.71515	-0.22541	-0.35013
122		0.71576	-0.23617	-0.36034
123		0.67872	-0.26116	-0.39935
124		0.72851	-0.29376	-0.40354
125	ADHI	1.27687	-0.06086	-0.29938
126		1.27687	-0.04058	-0.10703
127		1.27687	0.53864	-0.33429
128		1.27687	-0.25412	-0.32687
129	WIKA	0.30526	-0.29833	-0.05097
130		0.34473	-0.25764	0.06911
131		0.34959	-0.27059	-0.08145
132		0.37873	-0.25811	-0.27027
133	UNVR	-0.7878	6.33984	4.30235
134		-0.7878	5.28557	4.98822
135		-0.7878	5.0111	5.48385
136		-0.7878	4.23139	5.92784
137	INAF	-0.52425	-0.28795	-0.3295
138		-0.52425	-0.31735	-0.22551
139		-0.52425	-0.21745	-0.30843
140		-0.91654	-0.24	3.0922
141	HMSP	-1.58816	-0.32527	1.4381
142		-1.58816	-0.32837	3.24313
143		-1.24324	-0.3303	0.90997
144		-1.24324	-0.33019	0.84596

LAMPIRAN 3. DATA SAMPEL PENELITIAN

No	Perusahaan	Tahun	Konsentrasi Kepemilikan Publik	Rasio Biaya R and D thd penjualan	Tobin's Q
1	ULTJ	2013	35.6	0.00155	6.33
		2014	35.52	0.00008	4.62
		2015	37.57	0.00005	3.85
		2016	51.41	0.00003	3.39
2	CEKA	2013	7.23	0.00044	0.77
		2014	7.23	0.00017	1.15
		2015	7.99	0.00030	0.66
		2016	7.23	0.00038	0.89
3	AISA	2013	44.29	0.00012	2.30
		2014	37.91	0.00058	2.17
		2015	36.98	0.00038	1.54
		2016	36.95	0.00006	1.73
4	KLBF	2013	43.29	0.00102	6.70
		2014	43.29	0.00060	8.49
		2015	43.32	0.00092	5.38
		2016	43.5	0.00082	5.42
5	KAEF	2013	9.97	0.00397	1.82
		2014	9.97	0.00338	4.38
		2015	9.97	0.00394	2.60
		2016	9.97	0.00421	6.90
6	WIIM	2013	30	0.00055	1.99
		2014	30	0.00068	1.81
		2015	33.88	0.00246	1.14
		2016	28.27	0.00181	1.08
7	TSPC	2013	22.66	0.00019	3.41
		2014	22.48	0.00030	2.83
		2015	21.84	0.00066	1.56
		2016	21.58	0.00044	1.68
8	PYFA	2013	23.07	0.01692	1.29
		2014	23.07	0.00614	1.06
		2015	23.07	0.01460	0.81
		2016	23.07	0.00547	1.19
9	MYOR	2013	66.93	0.00151	6.11
		2014	66.93	0.00134	4.96
		2015	66.93	0.00167	5.34

		2016	15.71	0.00189	5.88
10	TCID	2013	21.018	0.00174	1.93
		2014	21.024	0.00184	2.84
		2015	26.09	0.00147	1.72
		2016	26.084	0.00134	1.25
11	TFCO	2013	1.15	0.00005	0.73
		2014	1.07	0.00008	1.24
		2015	0.96	0.00016	1.06
		2016	1.06	0.00017	1.12
12	SRIL	2013	43.88	0.00080	2.99
		2014	43.88	0.00195	2.12
		2015	35.6789	0.00438	3.04
		2016	43.8808	0.00270	2.12
13	RICY	2013	51.96	0.00057	0.65
		2014	51.96	0.00058	1.22
		2015	52	0.00003	1.23
		2016	51.96	0.00001	1.29
14	AUTO	2013	19.94	0.00106	1.80
		2014	19.98	0.00219	2.08
		2015	20	0.00252	0.87
		2016	20	0.00177	1.03
15	IGAR	2013	15.18	0.00005	0.95
		2014	15.18	0.00034	0.80
		2015	15.18	0.00082	0.30
		2016	15.18	0.00041	0.86
16	SRSN	2013	12.6	0.00298	0.97
		2014	10.42	0.00490	0.86
		2015	10.42	0.00207	0.93
		2016	9.95	0.00326	0.99
17	SMGR	2013	48.99	0.00008	3.93
		2014	48.99	0.00005	3.86
		2015	48.99	0.00005	2.56
		2016	48.99	0.00011	1.97
18	INTP	2013	35.97	0.00042	2.69
		2014	35.97	0.00037	3.30
		2015	35.97	0.00038	3.12
		2016	49	0.00042	1.84
19	LION	2013	42.06	0.03459	0.99
		2014	42.06	0.03691	0.69
		2015	42.06	0.04174	0.81
		2016	42.06	0.03717	0.80

20	SMBR	2013	23.76	0.00075	0.61
		2014	23.76	0.00177	0.67
		2015	23.76	0.00229	0.48
		2016	23.76	0.00085	8.98
21	MICE	2013	33.08	0.00037	0.27
		2014	48.74	0.00009	0.16
		2015	40.11	0.00113	0.22
		2016	39.06	0.00095	0.33
22	PJAA	2013	9.99	0.00160	1.52
		2014	9.99	0.00165	2.25
		2015	9.99	0.00249	2.22
		2016	9.99	0.00232	2.33
23	SHID	2013	8.69	0.00190	0.85
		2014	8.69	0.00013	0.80
		2015	8.69	0.00065	1.11
		2016	8.69	0.00063	1.51
24	VIVA	2013	33.54	0.00393	2.54
		2014	31.87	0.00307	3.20
		2015	30.01	0.00350	2.97
		2016	27.92	0.00405	2.63
25	BBCA	2013	50.83	0.00095	3.62
		2014	50.84	0.00088	4.21
		2015	50.84	0.00056	3.37
		2016	50.89	0.00047	3.65
26	BBRI	2013	43.25	0.00026	1.42
		2014	43.25	0.00017	2.22
		2015	42.76	0.00021	1.68
		2016	42.35	0.00025	1.23
27	BNII	2013	2.71	0.01016	0.93
		2014	2.71	0.00864	0.84
		2015	2.71	0.00968	0.12
		2016	2.71	0.00855	0.89
28	BSIM	2013	40.03	0.00489	0.46
		2014	43.97	0.02129	0.80
		2015	44.41	0.01411	0.91
		2016	41.35	0.01011	2.40
29	NISP	2013	14.91	0.00184	0.16
		2014	14.91	0.00138	0.15
		2015	14.91	0.00062	0.01
		2016	14.91	0.00095	0.43
30	ASBI	2013	7.27	0.00305	0.75

		2014	18.43	0.00359	1.35
		2015	18.43	0.00059	0.50
		2016	18.43	0.00263	0.89
31	BBNI	2013	39.75	0.00213	0.75
		2014	39.76	0.00196	0.64
		2015	39.15	0.00159	0.25
		2016	39.97	0.00110	0.21
32	ADHI	2013	49.00	0.00459	1.26
		2014	49.00	0.00490	3.21
		2015	49.00	0.01358	0.91
		2016	49.00	0.00169	0.98
33	WIKA	2013	33.00	0.00103	3.78
		2014	33.65	0.00164	4.99
		2015	33.73	0.00145	3.47
		2016	34.21	0.00163	1.56

LAMPIRAN 4. TABULASI DATA SPSS 21.0

N	X	Z	Y
1	35.6	0.00155	6.33
2	35.52	0.00008	4.62
3	37.57	0.00005	3.85
4	51.41	0.00003	3.39
5	7.23	0.00044	0.77
6	7.23	0.00017	1.15
7	7.99	0.00030	0.66
8	7.23	0.00038	0.89
9	44.29	0.00012	2.30
10	37.91	0.00058	2.17
11	36.98	0.00038	1.54
12	36.95	0.00006	1.73
13	43.29	0.00102	6.70
14	43.29	0.00060	8.49
15	43.32	0.00092	5.38
16	43.5	0.00082	5.42
17	9.97	0.00397	1.82
18	9.97	0.00338	4.38
19	9.97	0.00394	2.60
20	9.97	0.00421	6.90
21	30	0.00055	1.99
22	30	0.00068	1.81
23	33.88	0.00246	1.14
24	28.27	0.00181	1.08
25	22.66	0.00019	3.41
26	22.48	0.00030	2.83
27	21.84	0.00066	1.56
28	21.58	0.00044	1.68
29	23.07	0.01692	1.29
30	23.07	0.00614	1.06
31	23.07	0.01460	0.81
32	23.07	0.00547	1.19
33	66.93	0.00151	6.11
34	66.93	0.00134	4.96
35	66.93	0.00167	5.34
36	15.71	0.00189	5.88
37	21.018	0.00174	1.93
38	21.024	0.00184	2.84
39	26.09	0.00147	1.72
40	26.084	0.00134	1.25
41	1.15	0.00005	0.73

42	1.07	0.00008	1.24
43	0.96	0.00016	1.06
44	1.06	0.00017	1.12
45	43.88	0.00080	2.99
46	43.88	0.00195	2.12
47	35.6789	0.00438	3.04
48	43.8808	0.00270	2.12
49	51.96	0.00057	0.65
50	51.96	0.00058	1.22
51	52	0.00003	1.23
52	51.96	0.00001	1.29
53	19.94	0.00106	1.80
54	19.98	0.00219	2.08
55	20	0.00252	0.87
56	20	0.00177	1.03
57	15.18	0.00005	0.95
58	15.18	0.00034	0.80
59	15.18	0.00082	0.30
60	15.18	0.00041	0.86
61	12.6	0.00298	0.97
62	10.42	0.00490	0.86
63	10.42	0.00207	0.93
64	9.95	0.00326	0.99
65	48.99	0.00008	3.93
66	48.99	0.00005	3.86
67	48.99	0.00005	2.56
68	48.99	0.00011	1.97
69	35.97	0.00042	2.69
70	35.97	0.00037	3.30
71	35.97	0.00038	3.12
72	49	0.00042	1.84
73	42.06	0.03459	0.99
74	42.06	0.03691	0.69
75	42.06	0.04174	0.81
76	42.06	0.03717	0.80
77	23.76	0.00075	0.61
78	23.76	0.00177	0.67
79	23.76	0.00229	0.48
80	23.76	0.00085	8.98
81	33.08	0.00037	0.27
82	48.74	0.00009	0.16
83	40.11	0.00113	0.22
84	39.06	0.00095	0.33
85	9.99	0.00160	1.52

86	9.99	0.00165	2.25
87	9.99	0.00249	2.22
88	9.99	0.00232	2.33
89	8.69	0.00190	0.85
90	8.69	0.00013	0.80
91	8.69	0.00065	1.11
92	8.69	0.00063	1.51
93	33.54	0.00393	2.54
94	31.87	0.00307	3.20
95	30.01	0.00350	2.97
96	27.92	0.00405	2.63
97	50.83	0.00095	3.62
98	50.84	0.00088	4.21
99	50.84	0.00056	3.37
100	50.89	0.00047	3.65
101	43.25	0.00026	1.42
102	43.25	0.00017	2.22
103	42.76	0.00021	1.68
104	42.35	0.00025	1.23
105	2.71	0.01016	0.93
106	2.71	0.00864	0.84
107	2.71	0.00968	0.12
108	2.71	0.00855	0.89
109	40.03	0.00489	0.46
110	43.97	0.02129	0.80
111	44.41	0.01411	0.91
112	41.35	0.01011	2.40
113	14.91	0.00184	0.16
114	14.91	0.00138	0.15
115	14.91	0.00062	0.01
116	14.91	0.00095	0.43
117	7.27	0.00305	0.75
118	18.43	0.00359	1.35
119	18.43	0.00059	0.50
120	18.43	0.00263	0.89
121	39.75	0.00213	0.75
122	39.76	0.00196	0.64
123	39.15	0.00159	0.25
124	39.97	0.00110	0.21
125	49.00	0.00459	1.26
126	49.00	0.00490	3.21
127	49.00	0.01358	0.91
128	49.00	0.00169	0.98
129	33.00	0.00103	3.78

130	33.65	0.00164	4.99
131	33.73	0.00145	3.47
132	34.21	0.00163	1.56

LAMPIRAN 5. DATA HASIL TRANSFORMASI

N	X	Z	Y
1	5.966574	0.039335	2.516717
2	5.959866	0.009084	2.149863
3	6.129437	0.00685	1.962324
4	7.170077	0.005772	1.841746
5	2.688866	0.021049	0.875606
6	2.688866	0.012906	1.070066
7	2.826659	0.017324	0.809322
8	2.688866	0.019469	0.945637
9	6.655073	0.011113	1.517397
10	6.15711	0.023981	1.474293
11	6.081118	0.019407	1.239444
12	6.078651	0.007739	1.314712
13	6.579514	0.031883	2.588787
14	6.579514	0.024426	2.913907
15	6.581793	0.030296	2.32027
16	6.595453	0.028558	2.328017
17	3.157531	0.062994	1.348712
18	3.157531	0.058117	2.093876
19	3.157531	0.062744	1.613459
20	3.157531	0.064868	2.626997
21	5.477226	0.023397	1.410149
22	5.477226	0.026101	1.344574
23	5.820653	0.049632	1.067481
24	5.316954	0.042587	1.038008
25	4.760252	0.013648	1.847103
26	4.741308	0.017196	1.68224
27	4.673329	0.025726	1.247582
28	4.645428	0.0209	1.296582
29	4.803124	0.130066	1.136578
30	4.803124	0.07836	1.030777
31	4.803124	0.120824	0.900472
32	4.803124	0.073943	1.09178
33	8.181076	0.038818	2.471055
34	8.181076	0.036635	2.227199
35	8.181076	0.040927	2.310692
36	3.963584	0.043481	2.424259
37	4.584539	0.041677	1.388117
38	4.585194	0.042848	1.683822

39	5.107837	0.038398	1.312667
40	5.10725	0.036658	1.119184
41	1.072381	0.007398	0.856122
42	1.034408	0.008998	1.112054
43	0.979796	0.012812	1.027721
44	1.029563	0.012852	1.056105
45	6.624198	0.028256	1.7301
46	6.624198	0.044156	1.456458
47	5.973182	0.066155	1.742225
48	6.624258	0.052009	1.456177
49	7.208329	0.023906	0.807913
50	7.208329	0.024149	1.104795
51	7.211103	0.005728	1.111073
52	7.208329	0.003287	1.136511
53	4.465423	0.032496	1.342457
54	4.469899	0.046835	1.441666
55	4.472136	0.05024	0.934584
56	4.472136	0.042087	1.015987
57	3.896152	0.007103	0.973862
58	3.896152	0.018423	0.893152
59	3.896152	0.028597	0.550418
60	3.896152	0.020209	0.925572
61	3.549648	0.054633	0.98556
62	3.228002	0.069982	0.926456
63	3.228002	0.045544	0.965941
64	3.154362	0.057111	0.995808
65	6.999286	0.008714	1.981313
66	6.999286	0.007338	1.965264
67	6.999286	0.006955	1.59947
68	6.999286	0.01036	1.405205
69	5.997499	0.020387	1.641072
70	5.997499	0.019362	1.8157
71	5.997499	0.019542	1.764946
72	7	0.020435	1.35595
73	6.485368	0.185977	0.992827
74	6.485368	0.192124	0.82784
75	6.485368	0.204313	0.902048
76	6.485368	0.192786	0.892701
77	4.874423	0.02735	0.78406
78	4.874423	0.042034	0.815916
79	4.874423	0.047823	0.696159

80	4.874423	0.029076	2.997031
81	5.751522	0.019168	0.518306
82	6.981404	0.009685	0.398088
83	6.333246	0.033575	0.472532
84	6.2498	0.030872	0.571666
85	3.160696	0.040008	1.234014
86	3.160696	0.040622	1.498938
87	3.160696	0.049946	1.490923
88	3.160696	0.048166	1.527679
89	2.947881	0.043588	0.923765
90	2.947881	0.011308	0.897039
91	2.947881	0.025407	1.054421
92	2.947881	0.025082	1.229378
93	5.791373	0.062709	1.592409
94	5.645352	0.055436	1.787534
95	5.478138	0.059185	1.724159
96	5.283938	0.063623	1.620239
97	7.129516	0.030853	1.903718
98	7.130217	0.029672	2.050981
99	7.130217	0.023623	1.835235
100	7.133723	0.021654	1.910797
101	6.576473	0.016233	1.193049
102	6.576473	0.01286	1.489386
103	6.539113	0.014442	1.294964
104	6.507688	0.015869	1.107705
105	1.646208	0.100815	0.963722
106	1.646208	0.092946	0.919123
107	1.646208	0.098369	0.341041
108	1.646208	0.092478	0.943014
109	6.326927	0.069962	0.677568
110	6.630988	0.145926	0.892829
111	6.664083	0.118773	0.955752
112	6.430397	0.100535	1.549861
113	3.861347	0.042882	0.395001
114	3.861347	0.037138	0.390653
115	3.861347	0.024985	0.110943
116	3.861347	0.0309	0.655707
117	2.696294	0.055183	0.865013
118	4.293018	0.059892	1.159834
119	4.293018	0.024274	0.706408
120	4.293018	0.051318	0.942779

121	6.30476	0.0461	0.864965
122	6.305553	0.044316	0.802956
123	6.256996	0.039865	0.499606
124	6.322183	0.033173	0.455158
125	7	0.067766	1.12351
126	7	0.069974	1.791837
127	7	0.116535	0.953239
128	7	0.041167	0.991888
129	5.744563	0.032123	1.943852
130	5.800862	0.040522	2.234928
131	5.807753	0.03805	1.862746
132	5.848932	0.040435	1.24785

LAMPIRAN 6. LANGKAH PENGOBATAN *THE COCHRANE - ORCUTT*

Berikut langkah-langkah pengobatan autokorelasi menggunakan *The Cochrane – Orcutt*

1. Melakukan uji regresi antara variabel eksogen (variabel bebas) dengan variabel endogen (variabel terikat) untuk mendapatkan hasil residualnya.
2. Melakukan transformasi lag pada variabel residual. Lag artinya mengembalikan variabel baru yang merupakan hasil pengurangan nilai dari sampel ke-i dikurangi sampel ke-i – 1.
3. Melakukan regresi dengan variabel bebasnya Lag_e dan variabel terikatnya Res_1 untuk mendapatkan koefisien Rho. Berikut koefisien Rho hasil SPSS dari variabel bebas dan variabel terikat dalam penelitian ini.

Coefficients[a,b]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	Lag_e	.486	.075	.494	6.483	.000

Nilai koefisien Rho yang didapat dari hasil SPSS yakni sebesar 0,486.

4. Tahap selanjutnya adalah melakukan transformasi *Cochrane Orcutt* pada menu transform dalam SPSS 21.0. Ketikkan nama variabel baru hasil transformasi yang akan dibentuk. Kemudian memasukkan formula berikut ini pada kolom *numeric expression* X-(0,486*(Lag(X)) untuk Lag_X. Selanjutnya untuk variabel Z ketikkan nama Lag_Z dan formula untuk

variabel ini yakni Z-(0,486*(Lag(Z)). Variabel Y diberi nama Lag_Y dengan formula Y-(0,486*(Lag(Y)).

5. Setelah mendapatkan variabel baru hasil transformasi kemudian melakukan uji regresi dengan variabel baru dan didapat hasil sebagai berikut.

Model Summary[b]

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.249[a]	.062	.047	.45149	2.029

Hasil SPSS 21.0 menunjukkan bahwa DW yang didapat yakni sebesar 2,029 yang berarti tidak terdapat autokorelasi (1,7458 < 2,029 < 2,2542).

LAMPIRAN 7. HASIL PERHITUNGAN ANALISIS JALUR (*PATH ANALYSIS*)

A. Persamaan Sub-Struktur I

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method
1	Lag_X[b]	.	Enter

a. Dependent Variable: Lag_Z

b. All requested variables entered.

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.062[a]	.004	-.004	.02950

a. Predictors: (Constant), Lag_X

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	.501	.481[b]
	Residual	.112	129	.001		
	Total	.113	130			

a. Dependent Variable: Lag_Z

b. Predictors: (Constant), Lag_X

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.026	.006		4.549	.000
	Lag_X	-.001	.002	-.062	-.707	.481

a. Dependent Variable: Lag_Z

B. Persamaan Sub – Struktur II

Variables Entered/Removed[a]

Model	Variables Entered	Variables Removed	Method
1	Lag_Z, Lag_X[b]	.	Enter

a. Dependent Variable: Lag_Y

b. All requested variables entered.

Model Summary[b]

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.249[a]	.062	.047	.45149	2.029

a. Predictors: (Constant), Lag_Z, Lag_X

b. Dependent Variable: Lag_Y

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1.724	2	.862	4.228	.017[b]
	Residual	26.092	128	.204		
	Total	27.815	130			

a. Dependent Variable: Lag_Y

b. Predictors: (Constant), Lag_Z, Lag_X

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.476	.096		4.968	.000
	Lag_X	.082	.030	.232	2.706	.008
	Lag_Z	-1.206	1.348	-.077	-.895	.372

a. Dependent Variable: Lag_Y