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LAMPIRAN-LAMPIRAN

LAMPIRAN 1
LEMBAR PENGESAHAN REVISI SKRIPSI



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LIKUIDITAS, DAN *GROWTH*
OPPORTUNITY TERHADAP NILAI
PERUSAHAAN YANG TERDAFTAR DI
*JAKARTA ISLAMIC INDEX (2019-2021)***

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LAMPIRAN 2
DAFTAR PERUSAHAAN TERPILIH YANG TERDAFTAR DI
JAKARTA ISLAMIC INDEX 70

No	Nama Perusahaan	Kode Perusahaan
1	Astra Agro Lestari Tbk.	AALI
2	Ace Hardware Indonesia Tbk.	ACES
3	Adhi Karya (Persero) Tbk.	ADHI
4	AKR Corporindo Tbk.	AKRA
5	Aneka Tambang Tbk.	ANTM
6	Global Mediacom Tbk.	BMTR
7	Ciputra Development Tbk.	CTRA
8	Puradelta Lestari Tbk.	DMAS
9	Indofood CBP Sukses Makmur Tbk.	ICBP
10	Indofood Sukses Makmur Tbk.	INDF
11	Indocement Tunggal Prakarsa Tbk.	INTP
12	Kimia Farma Tbk.	KAEF
13	Kalbe Farma Tbk.	KLBF
14	Link Net Tbk.	LINK
15	Matahari Department Store Tbk.	LPPF
16	PP London Sumatra Indonesia Tbk.	LSIP

17	Mitra Adiperkasa Tbk.	MAPI
18	Mitra Keluarga Karyasehat Tbk.	MIKA
19	Mayora Indah Tbk.	MYOR
20	Bukit Asam Tbk.	PTBA
21	PP (Persero) Tbk.	PTPP
22	Pakuwon Jati Tbk.	PWON
23	Industri Jamu dan Farmasi Sido	SIDO
24	Semen Indonesia (Persero) Tbk.	SMGR
25	Summarecon Agung Tbk.	SMRA
26	Telkom Indonesia (Persero) Tbk.	TLKM
27	United Tractors Tbk.	UNTR
28	Wijaya Karya (Persero) Tbk.	WIKA

LAMPIRAN 2

DATA HASIL PERHITUNGAN *DEBT TO EQUITY RATIO* (DER),
CURRENT RATIO (CR), *GROWTH OPPORTUNITY*, DAN *PRICE TO*
BOOK VALUE (PBV) PADA PERUSAHAAN YANG TERDAFTAR
DI *JAKARTA ISLAMIC INDEX 70*.

NO	Kode Perusahaan	Tahun	DER	Current Ratio	Growth Opportunity	PBV
1	AALI	2019	0.421	2.854	0.004	1.515
		2020	0.443	3.313	0.030	1.265
		2021	0.436	1.579	0.094	0.887
2	ACES	2019	0.420	5.578	0.248	5.500
		2020	0.388	5.959	0.091	5.648
		2021	0.304	7.186	-0.008	4.005
3	ADHI	2019	4.343	1.234	0.213	0.614
		2020	5.833	1.111	0.043	0.985
		2021	6.052	1.015	0.047	0.569
4	AKRA	2019	1.127	1.237	0.074	1.902
		2020	0.770	1.576	-0.127	1.459
		2021	1.081	1.292	0.258	1.766
5	ANTM	2019	0.665	1.448	-0.062	1.113
		2020	0.667	1.211	0.051	2.442
		2021	0.580	1.787	0.037	2.595
6	BMTR	2019	0.736	1.371	0.041	0.482
		2020	0.552	1.869	0.070	0.393
		2021	0.416	1.406	0.079	0.307
7	CTRA	2019	1.038	2.174	0.056	1.257
		2020	1.249	1.778	0.085	1.192
		2021	1.097	1.997	0.036	1.061
8	DMAS	2019	0.173	3.711	0.016	2.197
		2020	0.221	3.207	-0.114	2.146

		2021	0.143	4.519	-0.095	1.721
9	ICBP	2019	0.451	2.536	0.126	5.139
		2020	1.059	2.258	1.676	3.794
		2021	1.157	1.799	0.140	2.994
10	INDF	2019	0.775	1.272	-0.004	1.842
		2020	1.061	1.373	0.696	1.419
		2021	1.070	1.341	0.099	1.151
11	INTP	2019	0.200	3.283	-0.003	3.034
		2020	0.233	2.917	-0.013	2.403
		2021	0.267	2.440	-0.044	2.160
12	KAEF	2019	1.476	0.994	0.620	0.959
		2020	1.472	0.898	-0.043	3.375
		2021	1.456	1.054	0.011	1.890
13	KLBF	2019	0.213	4.355	0.117	4.778
		2020	0.235	4.117	0.113	3.986
		2021	0.207	4.445	0.137	3.866
14	LINK	2019	0.429	0.496	0.104	2.435
		2020	0.687	0.275	0.172	1.493
		2021	0.857	0.438	0.250	2.182
15	LPPF	2019	1.767	1.058	-0.040	6.761
		2020	9.874	0.564	0.308	5.762
		2021	4.816	0.731	-0.074	10.834
16	LSIP	2019	0.203	4.697	0.019	1.193
		2020	0.176	4.892	0.068	1.010
		2021	0.165	6.184	0.085	0.795
17	MAPI	2019	0.891	1.438	0.103	2.838
		2020	1.716	1.112	0.266	2.452
		2021	1.365	1.233	-0.049	2.006
18	MIKA	2019	0.163	5.746	0.096	8.855
		2020	0.155	5.460	0.143	7.905
		2021	0.158	4.194	0.077	6.106
19	MYOR	2019	0.921	3.440	0.082	4.738
		2020	0.755	3.607	0.039	5.503
		2021	0.753	2.328	0.007	4.102

20	PTBA	2019	0.417	2.487	0.080	1.678
		2020	0.420	2.160	-0.078	1.931
		2021	0.489	2.428	0.502	1.298
21	PTPP	2019	2.739	1.001	0.068	0.837
		2020	2.841	1.145	-0.048	1.096
		2021	2.878	1.119	0.041	0.566
22	PWON	2019	4.421	2.859	0.043	1.834
		2020	0.503	1.981	0.014	1.678
		2021	0.505	3.794	0.091	1.393
23	SIDO	2019	0.152	4.198	0.058	6.240
		2020	0.195	3.664	0.091	7.496
		2021	0.172	4.201	0.057	6.936
24	SMGR	2019	1.355	1.361	0.572	2.205
		2020	1.188	1.353	-0.023	2.157
		2021	0.923	1.075	-0.019	1.189
25	SMRA	2019	1.586	1.237	0.049	1.968
		2020	1.743	1.422	0.020	1.696
		2021	1.320	1.870	0.045	1.592
26	TLKM	2019	0.887	0.715	0.073	3.950
		2020	1.043	0.673	0.116	3.198
		2021	0.906	0.886	0.122	3.290
27	UNTR	2019	0.828	1.560	-0.039	1.379
		2020	0.580	2.110	-0.107	1.646
		2021	0.567	1.988	0.128	1.205
28	WIKA	2019	2.232	1.395	0.049	1.082
		2020	3.089	1.085	0.097	1.302
		2021	2.980	1.006	0.019	0.760

LAMPIRAN 3
DATA EVIEWS 10 SEBELUM TRANSFORMASI

	DER	CR	GO	PBV
1 - 19	0.421	2.854	0.004	1.515
1 - 20	0.443	3.313	0.03	1.265
1 - 21	0.436	1.579	0.094	0.887
2 - 19	0.42	5.578	0.248	5.5
2 - 20	0.388	5.959	0.091	5.648
2 - 21	0.304	7.186	-0.008	4.005
3 - 19	4.343	1.234	0.213	0.614
3 - 20	5.833	1.111	0.043	0.985
3 - 21	6.052	1.015	0.047	0.569
4 - 19	1.127	1.237	0.074	1.902
4 - 20	0.77	1.576	-0.127	1.459
4 - 21	1.081	1.292	0.258	1.766
5 - 19	0.665	1.448	-0.062	1.113
5 - 20	0.667	1.211	0.051	2.442
5 - 21	0.58	1.787	0.037	2.595
6 - 19	0.736	1.371	0.041	0.482
6 - 20	0.552	1.869	0.07	0.393
6 - 21	0.416	1.406	0.079	0.307
7 - 19	1.038	2.174	0.056	1.257
7 - 20	1.249	1.778	0.085	1.192
7 - 21	1.097	1.997	0.036	1.061
8 - 19	0.173	3.711	0.016	2.197
8 - 20	0.221	3.207	-0.114	2.146
8 - 21	0.143	4.519	-0.095	1.721
9 - 19	0.451	2.536	0.126	5.139
9 - 20	1.059	2.258	1.676	3.794
9 - 21	1.157	1.799	0.14	2.994
10 - 19	0.775	1.272	-0.004	1.842
10 - 20	1.061	1.373	0.696	1.419
10 - 21	1.07	1.341	0.099	1.151
11 - 19	0.2	3.283	-0.003	3.034
11 - 20	0.233	2.917	-0.013	2.403
11 - 21	0.267	2.44	-0.044	2.16
12 - 19	1.476	0.994	0.62	0.959
12 - 20	1.472	0.898	-0.043	3.375
12 - 21	1.456	1.054	0.011	1.89
13 - 19	0.213	4.355	0.117	4.778
13 - 20	0.235	4.117	0.113	3.986
13 - 21	0.207	4.445	0.137	3.866
14 - 19	0.429	0.496	0.104	2.435
14 - 20	0.687	0.275	0.172	1.493

14 - 21	0.857	0.438	0.25	2.182
15 - 19	1.767	1.058	-0.04	6.761
15 - 20	9.874	0.564	0.308	5.762
15 - 21	4.816	0.731	-0.074	10.834
16 - 19	0.203	4.697	0.019	1.193
16 - 20	0.176	4.892	0.068	1.01
16 - 21	0.165	6.184	0.085	0.795
17 - 19	0.891	1.438	0.103	2.838
17 - 20	1.716	1.112	0.266	2.452
17 - 21	1.365	1.233	-0.049	2.006
18 - 19	0.163	5.746	0.096	8.855
18 - 20	0.155	5.46	0.143	7.905
18 - 21	0.158	4.194	0.077	6.106
19 - 19	0.921	3.44	0.082	4.738
19 - 20	0.755	3.607	0.039	5.503
19 - 21	0.753	2.328	0.007	4.102
20 - 19	0.417	2.487	0.08	1.678
20 - 20	0.42	2.16	-0.078	1.931
20 - 21	0.489	2.428	0.502	1.298
21 - 19	2.739	1.001	0.068	0.837
21 - 20	2.841	1.145	-0.048	1.096
21 - 21	2.878	1.119	0.041	0.566
22 - 19	4.421	2.859	0.043	1.834
22 - 20	0.503	1.981	0.014	1.678
22 - 21	0.505	3.794	0.091	1.393
23 - 19	0.152	4.198	0.058	6.24
23 - 20	0.195	3.664	0.091	7.496
23 - 21	0.172	4.201	0.057	6.936
24 - 19	1.355	1.361	0.572	2.205
24 - 20	1.188	1.353	-0.023	2.157
24 - 21	0.923	1.075	-0.019	1.189
25 - 19	1.586	1.237	0.049	1.968
25 - 20	1.743	1.422	0.02	1.696
25 - 21	1.32	1.87	0.045	1.592
26 - 19	0.887	0.715	0.073	3.95
26 - 20	1.043	0.673	0.116	3.198
26 - 21	0.906	0.886	0.122	3.29
27 - 19	0.828	1.56	-0.039	1.379
27 - 20	0.58	2.11	-0.107	1.646
27 - 21	0.567	1.988	0.128	1.205
28 - 19	2.232	1.395	0.049	1.082
28 - 20	3.089	1.085	0.097	1.302
28 - 21	2.98	1.006	0.019	0.76

LAMPIRAN 4

DATA EVIEWS 10 SETELAH TRANSFORMASI

	LOGPBV	LOGDER	LOGCR	LOGGO
1 - 19	0.415415	-0.865122	1.048722	-5.521461
1 - 20	0.235072	-0.814186	1.197854	-3.506558
1 - 21	-0.119910	-0.830113	0.456792	-2.364460
2 - 19	1.704748	-0.867501	1.718830	-1.394327
2 - 20	1.731302	-0.946750	1.784903	-2.396896
2 - 21	1.387544	-1.190728	1.972135	NA
3 - 19	-0.487760	1.468565	0.210261	-1.546463
3 - 20	-0.015114	1.763531	0.105261	-3.146555
3 - 21	-0.563875	1.800389	0.014889	-3.057608
4 - 19	0.642906	0.119559	0.212689	-2.603690
4 - 20	0.377751	-0.261365	0.454890	NA
4 - 21	0.568717	0.077887	0.256191	-1.354796
5 - 19	0.107059	-0.407968	0.370183	NA
5 - 20	0.892817	-0.404965	0.191446	-2.975930
5 - 21	0.953587	-0.544727	0.580538	-3.296837
6 - 19	-0.729811	-0.306525	0.315540	-3.194183
6 - 20	-0.933946	-0.594207	0.625404	-2.659260
6 - 21	-1.180908	-0.877070	0.340749	-2.538307
7 - 19	0.228728	0.037296	0.776569	-2.882404
7 - 20	0.175633	0.222343	0.575489	-2.465104
7 - 21	0.059212	0.092579	0.691646	-3.324236
8 - 19	0.787093	-1.754464	1.311301	-4.135167
8 - 20	0.763606	-1.509593	1.165336	NA
8 - 21	0.542906	-1.944911	1.508291	NA
9 - 19	1.636859	-0.796288	0.930588	-2.071473
9 - 20	1.333421	0.057325	0.814479	0.516410
9 - 21	1.096610	0.145830	0.587231	-1.966113
10 - 19	0.610852	-0.254892	0.240590	NA
10 - 20	0.349952	0.059212	0.316998	-0.362406
10 - 21	0.140631	0.067659	0.293416	-2.312635
11 - 19	1.109882	-1.609438	1.188758	NA
11 - 20	0.876718	-1.456717	1.070556	NA
11 - 21	0.770108	-1.320507	0.891998	NA
12 - 19	-0.041864	0.389336	-0.006018	-0.478036
12 - 20	1.216395	0.386622	-0.107585	NA
12 - 21	0.636577	0.375693	0.052592	-4.509860
13 - 19	1.564022	-1.546463	1.471325	-2.145581
13 - 20	1.382788	-1.448170	1.415125	-2.180367
13 - 21	1.352220	-1.575036	1.491780	-1.987774
14 - 19	0.889947	-0.846298	-0.701179	-2.263364
14 - 20	0.400788	-0.375421	-1.290984	-1.760261
14 - 21	0.780242	-0.154317	-0.825536	-1.386294
15 - 19	1.911171	0.569283	0.056380	NA

15 - 20	1.751285	2.289905	-0.572701	-1.177655
15 - 21	2.382689	1.571944	-0.313342	NA
16 - 19	0.176471	-1.594549	1.546924	-3.963316
16 - 20	0.009950	-1.737271	1.587601	-2.688248
16 - 21	-0.229413	-1.801810	1.821965	-2.465104
17 - 19	1.043100	-0.115411	0.363253	-2.273026
17 - 20	0.896904	0.539996	0.106160	-1.324259
17 - 21	0.696143	0.311154	0.209450	NA
18 - 19	2.180982	-1.814005	1.748504	-2.343407
18 - 20	2.067495	-1.864330	1.697449	-1.944911
18 - 21	1.809272	-1.845160	1.433655	-2.563950
19 - 19	1.555615	-0.082295	1.235471	-2.501036
19 - 20	1.705293	-0.281038	1.282876	-3.244194
19 - 21	1.411475	-0.283690	0.845010	-4.961845
20 - 19	0.517603	-0.874669	0.911077	-2.525729
20 - 20	0.658038	-0.867501	0.770108	NA
20 - 21	0.260825	-0.715393	0.887068	-0.689155
21 - 19	-0.177931	1.007593	0.001000	-2.688248
21 - 20	0.091667	1.044156	0.135405	NA
21 - 21	-0.569161	1.057096	0.112435	-3.194183
22 - 19	0.606499	1.486366	1.050472	-3.146555
22 - 20	0.517603	-0.687165	0.683602	-4.268698
22 - 21	0.331460	-0.683197	1.333421	-2.396896
23 - 19	1.830980	-1.883875	1.434608	-2.847312
23 - 20	2.014370	-1.634756	1.298555	-2.396896
23 - 21	1.936725	-1.760261	1.435323	-2.864704
24 - 19	0.790728	0.303801	0.308220	-0.558616
24 - 20	0.768718	0.172271	0.302324	NA
24 - 21	0.173113	-0.080126	0.072321	NA
25 - 19	0.677018	0.461215	0.212689	-3.015935
25 - 20	0.528273	0.555608	0.352064	-3.912023
25 - 21	0.464991	0.277632	0.625938	-3.101093
26 - 19	1.373716	-0.119910	-0.335473	-2.617296
26 - 20	1.162526	0.042101	-0.396010	-2.154165
26 - 21	1.190888	-0.098716	-0.121038	-2.103734
27 - 19	0.321359	-0.188742	0.444686	NA
27 - 20	0.498348	-0.544727	0.746688	NA
27 - 21	0.186480	-0.567396	0.687129	-2.055725
28 - 19	0.078811	0.802898	0.332894	-3.015935
28 - 20	0.263902	1.127847	0.081580	-2.333044
28 - 21	-0.274437	1.091923	0.005982	-3.963316

LAMPIRAN 5

OUTPUT EIEWS 10: STATISTIK DESKRIPTIF

	LOGPBV	LOGDER	LOGCR	LOGGO
Mean	0.705244	-0.307775	0.620735	-2.531880
Median	0.639741	-0.271201	0.578014	-2.501036
Maximum	2.382689	2.289905	1.972135	0.516410
Minimum	-1.180908	-1.944911	-1.290984	-5.521461
Std. Dev.	0.753698	0.994875	0.675640	1.068263
Skewness	0.037016	0.277714	-0.094811	0.022724
Kurtosis	2.658038	2.603481	2.676326	3.976337
Jarque-Bera Probability	0.428464 0.807161	1.630042 0.442630	0.492524 0.781717	2.587271 0.274272
Sum	59.24046	-25.85312	52.14177	-164.5722
Sum Sq. Dev.	47.14905	82.15141	37.88860	73.03588
Observations	84	84	84	65

LAMPIRAN 6

OUTPUT EVIEWS 10: *COMMON EFFECTS MODEL (CEM)*

Dependent Variable: PBV
Method: Panel Least Squares
Date: 11/13/22 Time: 10:59
Sample: 2019 2021
Periods included: 3
Cross-sections included: 28
Total panel (balanced) observations: 84

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.836287	0.528158	1.583403	0.1173
DER	0.248398	0.154064	1.612306	0.1108
CR	0.641647	0.154206	4.160963	0.0001
GO	0.459636	0.957382	0.480097	0.6325
R-squared	0.178991	Mean dependent var		2.671226
Adjusted R-squared	0.148203	S.D. dependent var		2.131100
S.E. of regression	1.966853	Akaike info criterion		4.237194
Sum squared resid	309.4808	Schwarz criterion		4.352948
Log likelihood	-173.9622	Hannan-Quinn criter.		4.283726
F-statistic	5.813689	Durbin-Watson stat		0.438010
Prob(F-statistic)	0.001203			

LAMPIRAN 7

OUTPUT EVIEWS 10: *FIXED EFFECTS MODEL (FEM)*

Dependent Variable: PBV
Method: Panel Least Squares
Date: 11/13/22 Time: 11:00
Sample: 2019 2021
Periods included: 3
Cross-sections included: 28
Total panel (balanced) observations: 84

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2.487739	0.570024	4.364269	0.0001
DER	-0.118480	0.113976	-1.039520	0.3033
CR	0.162261	0.228486	0.710156	0.4807
GO	-0.454785	0.454216	-1.001252	0.3213

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.918035	Mean dependent var	2.671226
Adjusted R-squared	0.871640	S.D. dependent var	2.131100
S.E. of regression	0.763517	Akaike info criterion	2.575807
Sum squared resid	30.89678	Schwarz criterion	3.472895
Log likelihood	-77.18391	Hannan-Quinn criter.	2.936429
F-statistic	19.78730	Durbin-Watson stat	2.322169
Prob(F-statistic)	0.000000		

LAMPIRAN 8

OUTPUT EVIEWS 10: *RANDOM EFFECTS MODEL (REM)*

Dependent Variable: PBV
 Method: Panel EGLS (Cross-section random effects)
 Date: 11/13/22 Time: 11:01
 Sample: 2019 2021
 Periods included: 3
 Cross-sections included: 28
 Total panel (balanced) observations: 84
 Swamy and Arora estimator of component variances

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2.001054	0.561309	3.564978	0.0006
DER	-0.061316	0.106318	-0.576722	0.5657
CR	0.340995	0.167601	2.034567	0.0452
GO	-0.422487	0.447265	-0.944601	0.3477

Effects Specification

	S.D.	Rho
Cross-section random	1.822765	0.8507
Idiosyncratic random	0.763517	0.1493

Weighted Statistics

R-squared	0.072150	Mean dependent var	0.627907
Adjusted R-squared	0.037356	S.D. dependent var	0.790076
S.E. of regression	0.775179	Sum squared resid	48.07216
F-statistic	2.073624	Durbin-Watson stat	1.588374
Prob(F-statistic)	0.110262		

Unweighted Statistics

R-squared	0.114432	Mean dependent var	2.671226
Sum squared resid	333.8166	Durbin-Watson stat	0.228738

LAMPIRAN 9
OUTPUT EVIEWS 10: UJI CHOW (*CHOE TEST*)

Redundant Fixed Effects Tests
Equation: FEM
Test cross-section fixed effects

Effects Test	Statistic	d.f.	Prob.
Cross-section F	17.699260	(27,53)	0.0000
Cross-section Chi-square	193.556506	27	0.0000

Cross-section fixed effects test equation:
Dependent Variable: PBV
Method: Panel Least Squares
Date: 11/13/22 Time: 11:06
Sample: 2019 2021
Periods included: 3
Cross-sections included: 28
Total panel (balanced) observations: 84

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.836287	0.528158	1.583403	0.1173
DER	0.248398	0.154064	1.612306	0.1108
CR	0.641647	0.154206	4.160963	0.0001
GO	0.459636	0.957382	0.480097	0.6325
R-squared	0.178991	Mean dependent var		2.671226
Adjusted R-squared	0.148203	S.D. dependent var		2.131100
S.E. of regression	1.966853	Akaike info criterion		4.237194
Sum squared resid	309.4808	Schwarz criterion		4.352948
Log likelihood	-173.9622	Hannan-Quinn criter.		4.283726
F-statistic	5.813689	Durbin-Watson stat		0.438010
Prob(F-statistic)	0.001203			

LAMPIRAN 10

OUTPUT VIEWES 10: UJI HAUSMAN (*HAUSMAN TEST*)

Correlated Random Effects - Hausman Test

Equation: REM

Test cross-section random effects

Test Summary	Chi-Sq. Statistic	Chi-Sq. d.f.	Prob.
Cross-section random	5.462453	3	0.1409

Cross-section random effects test comparisons:

Variable	Fixed	Random	Var(Diff.)	Prob.
DER	-0.118480	-0.061316	0.001687	0.1640
CR	0.162261	0.340995	0.024116	0.2498
GO	-0.454785	-0.422487	0.006266	0.6833

Cross-section random effects test equation:

Dependent Variable: PBV

Method: Panel Least Squares

Date: 11/13/22 Time: 11:22

Sample: 2019 2021

Periods included: 3

Cross-sections included: 28

Total panel (balanced) observations: 84

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2.487739	0.570024	4.364269	0.0001
DER	-0.118480	0.113976	-1.039520	0.3033
CR	0.162261	0.228486	0.710156	0.4807
GO	-0.454785	0.454216	-1.001252	0.3213

Effects Specification

Cross-section fixed (dummy variables)

R-squared	0.918035	Mean dependent var	2.671226
Adjusted R-squared	0.871640	S.D. dependent var	2.131100
S.E. of regression	0.763517	Akaike info criterion	2.575807
Sum squared resid	30.89678	Schwarz criterion	3.472895
Log likelihood	-77.18391	Hannan-Quinn criter.	2.936429
F-statistic	19.78730	Durbin-Watson stat	2.322169
Prob(F-statistic)	0.000000		

LAMPIRAN

**OUTPUT EVIEWS 11: UJI LANGRANGE MULTIPLIER (LM
TEST)**

Lagrange multiplier (LM) test for panel data

Date: 11/13/22 Time: 13:11

Sample: 2019 2021

Total panel observations: 84

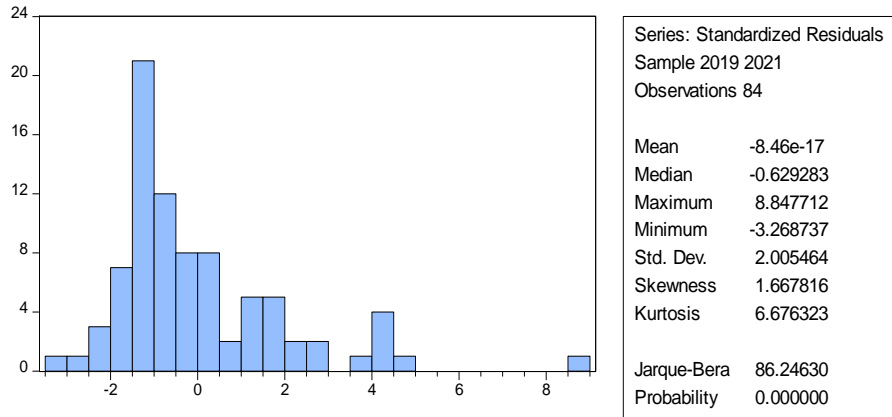
Probability in ()

Null (no rand. effect) Alternative	Cross- section One-sided	Period One-sided	Both
Breusch-Pagan	52.93576 (0.0000)	1.140761 (0.2855)	54.07652 (0.0000)
Honda	7.275697 (0.0000)	-1.068064 (0.8573)	4.389459 (0.0000)
King-Wu	7.275697 (0.0000)	-1.068064 (0.8573)	0.880115 (0.1894)
GHM	-- --	-- --	52.93576 (0.0000)

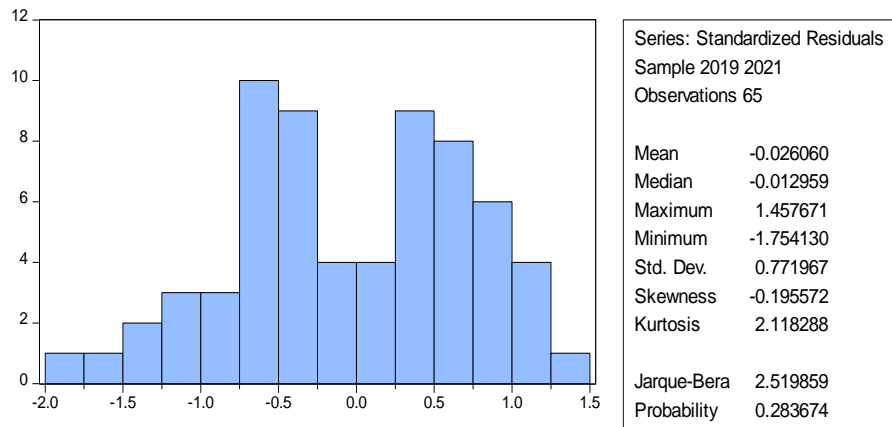
LAMPIRAN 12

OUTPUT EVIEWS 10: UJI NORMALITAS *JARQUE-BERA* (J-B)

SEBELUM TRANSFORMASI



SETELAH TRANSFORMASI



LAMPIRAN 13
OUTPUT EVIEWS 10: UJI MULTIKOLINEARITAS DAN UJI
KOEFISIEN KORELASI

	LOGDER	LOGCR	LOGGO
LOGDER	1.000000	-0.660574	0.068714
LOGCR	-0.660574	1.000000	-0.154356
LOGGO	0.068714	-0.154356	1.000000

LAMPIRAN 14

OUTPUT EVIEWS 10: UJI HETEROSKEDASTISITAS

Dependent Variable: RESABS
 Method: Panel EGLS (Cross-section random effects)
 Date: 11/13/22 Time: 15:31
 Sample: 2019 2021
 Periods included: 3
 Cross-sections included: 27
 Total panel (unbalanced) observations: 65
 Swamy and Arora estimator of component variances

Variable	Coefficien t	Std. Error	t-Statistic	Prob.
C	0.665774	0.114993	5.789713	0.0000
	-			
	0.02			
	112			
LOGDER	6	0.062488	-0.338079	0.7365
LOGCR	0.096604	0.100547	0.960781	0.3405
LOGGO	0.037864	0.027401	1.381837	0.1721
Effects Specification				
			S.D.	Rho
Cross-section random			0.372623	0.8326
Idiosyncratic random			0.167071	0.1674
Weighted Statistics				
R-squared	0.053083	Mean dependent var		0.17753
				2
Adjusted R-squared	0.006514	S.D. dependent var		0.16847
				4
S.E. of regression	0.169966	Sum squared resid		1.76218
				5
F-statistic	1.139868	Durbin-Watson stat		1.82073
Prob(F-statistic)	0.340176			1
Unweighted Statistics				
R-squared	0.001513	Mean dependent var		0.66403
				9
Sum squared resid	9.507856	Durbin-Watson stat		0.33745
				4

LAMPIRAN 15

OUTPUT EVIEWS 10: HASIL REGRESI *RANDOM EFFECTS MODEL (REM)* DENGAN DATA SETELAH TRANSFORMASI (TERMASUK OUTPUT UJI DETERMINASI, UJI F, DAN UJI T)

Dependent Variable: LOGPBV
 Method: Panel EGLS (Cross-section random effects)
 Date: 11/13/22 Time: 13:42
 Sample: 2019 2021
 Periods included: 3
 Cross-sections included: 27
 Total panel (unbalanced) observations: 65
 Swamy and Arora estimator of component variances

Variable	Coefficien t	Std. Error	t-Statistic	Prob.
C	0,325899	0,175757	1,854262	0,0685
LOGDER	0,043010	0,078941	0,544840	0,5879
LOGCR	0,359915	0,133466	2,696679	0,0090
LOGGO	- 0,06 398 2	0,031356	-2,040477	0,0456

Effects Specification		S.D.	Rho
Cross-section random		0,702081	0,9349
Idiosyncratic random		0,185289	0,0651

Weighted Statistics			
R-squared	0,148755	Mean dependent var	0,11238 8
Adjusted R-squared	0,106890	S.D. dependent var	0,20245 8
S.E. of regression	0,189874	Sum squared resid	2,19917 6
F-statistic	3,553246	Durbin-Watson stat	1,62855 6
Prob(F-statistic)	0,019407		

Unweighted Statistics			
R-squared	0,058200	Mean dependent var	0,67656 0
Sum squared resid	38,18383	Durbin-Watson stat	0,09379 6

LAMPIRAN 16

TABEL DURBIN WATSON, $\alpha = 5\%$

n	k=1		k=2		k=3		k=4		k=5	
	dL	dU	dL	dU	dL	dU	dL	dU	dL	dU
6	0.6102	1.4002								
7	0.6996	1.3564	0.4672	1.8964						
8	0.7629	1.3324	0.5591	1.7771	0.3674	2.2866				
9	0.8243	1.3199	0.6291	1.6993	0.4548	2.1282	0.2957	2.5881		
10	0.8791	1.3197	0.6972	1.6413	0.5253	2.0163	0.3760	2.4137	0.2427	2.8217
11	0.9273	1.3241	0.7580	1.6044	0.5948	1.9280	0.4441	2.2833	0.3155	2.6446
12	0.9708	1.3314	0.8122	1.5794	0.6577	1.8640	0.5120	2.1766	0.3796	2.5061
13	1.0097	1.3404	0.8612	1.5621	0.7147	1.8159	0.5745	2.0943	0.4445	2.3897
14	1.0450	1.3503	0.9054	1.5507	0.7667	1.7788	0.6321	2.0296	0.5052	2.2959
15	1.0770	1.3605	0.9455	1.5432	0.8140	1.7501	0.6852	1.9774	0.5620	2.2198
16	1.1062	1.3709	0.9820	1.5386	0.8572	1.7277	0.7340	1.9351	0.6150	2.1567
17	1.1330	1.3812	1.0154	1.5361	0.8968	1.7101	0.7790	1.9005	0.6641	2.1041
18	1.1576	1.3913	1.0461	1.5353	0.9331	1.6961	0.8204	1.8719	0.7098	2.0600
19	1.1804	1.4012	1.0743	1.5355	0.9666	1.6851	0.8588	1.8482	0.7523	2.0226
20	1.2015	1.4107	1.1004	1.5367	0.9976	1.6763	0.8943	1.8283	0.7918	1.9908
21	1.2212	1.4200	1.1246	1.5385	1.0262	1.6694	0.9272	1.8116	0.8286	1.9635
22	1.2395	1.4289	1.1471	1.5408	1.0529	1.6640	0.9578	1.7974	0.8629	1.9400
23	1.2567	1.4375	1.1682	1.5435	1.0778	1.6597	0.9864	1.7855	0.8949	1.9196
24	1.2728	1.4458	1.1878	1.5464	1.1010	1.6565	1.0131	1.7753	0.9249	1.9018
25	1.2879	1.4537	1.2063	1.5495	1.1228	1.6540	1.0381	1.7666	0.9530	1.8863
26	1.3022	1.4614	1.2236	1.5528	1.1432	1.6523	1.0616	1.7591	0.9794	1.8727
27	1.3157	1.4688	1.2399	1.5562	1.1624	1.6510	1.0836	1.7527	1.0042	1.8608
28	1.3284	1.4759	1.2553	1.5596	1.1805	1.6503	1.1044	1.7473	1.0276	1.8502
29	1.3405	1.4828	1.2699	1.5631	1.1976	1.6499	1.1241	1.7426	1.0497	1.8409
30	1.3520	1.4894	1.2837	1.5666	1.2138	1.6498	1.1426	1.7386	1.0706	1.8326
31	1.3630	1.4957	1.2969	1.5701	1.2292	1.6500	1.1602	1.7352	1.0904	1.8252
32	1.3734	1.5019	1.3093	1.5736	1.2437	1.6505	1.1769	1.7323	1.1092	1.8187
33	1.3834	1.5078	1.3212	1.5770	1.2576	1.6511	1.1927	1.7298	1.1270	1.8128
34	1.3929	1.5136	1.3325	1.5805	1.2707	1.6519	1.2078	1.7277	1.1439	1.8076
35	1.4019	1.5191	1.3433	1.5838	1.2833	1.6528	1.2221	1.7259	1.1601	1.8029
36	1.4107	1.5245	1.3537	1.5872	1.2953	1.6539	1.2358	1.7245	1.1755	1.7987
37	1.4190	1.5297	1.3635	1.5904	1.3068	1.6550	1.2489	1.7233	1.1901	1.7950
38	1.4270	1.5348	1.3730	1.5937	1.3177	1.6563	1.2614	1.7223	1.2042	1.7916
39	1.4347	1.5396	1.3821	1.5969	1.3283	1.6575	1.2734	1.7215	1.2176	1.7886
40	1.4421	1.5444	1.3908	1.6000	1.3384	1.6589	1.2848	1.7209	1.2305	1.7859
41	1.4493	1.5490	1.3992	1.6031	1.3480	1.6603	1.2958	1.7205	1.2428	1.7835
42	1.4562	1.5534	1.4073	1.6061	1.3573	1.6617	1.3064	1.7202	1.2546	1.7814
43	1.4628	1.5577	1.4151	1.6091	1.3663	1.6632	1.3166	1.7200	1.2660	1.7794
44	1.4692	1.5619	1.4226	1.6120	1.3749	1.6647	1.3263	1.7200	1.2769	1.7777
45	1.4754	1.5660	1.4298	1.6148	1.3832	1.6662	1.3357	1.7200	1.2874	1.7762
46	1.4814	1.5700	1.4368	1.6176	1.3912	1.6677	1.3448	1.7201	1.2976	1.7748
47	1.4872	1.5739	1.4435	1.6204	1.3989	1.6692	1.3535	1.7203	1.3073	1.7736
48	1.4928	1.5776	1.4500	1.6231	1.4064	1.6708	1.3619	1.7206	1.3167	1.7725
49	1.4982	1.5813	1.4564	1.6257	1.4136	1.6723	1.3701	1.7210	1.3258	1.7716
50	1.5035	1.5849	1.4625	1.6283	1.4206	1.6739	1.3779	1.7214	1.3346	1.7708
51	1.5086	1.5884	1.4684	1.6309	1.4273	1.6754	1.3855	1.7218	1.3431	1.7701
52	1.5135	1.5917	1.4741	1.6334	1.4339	1.6769	1.3929	1.7223	1.3512	1.7694
53	1.5183	1.5951	1.4797	1.6359	1.4402	1.6785	1.4000	1.7228	1.3592	1.7689
54	1.5230	1.5983	1.4851	1.6383	1.4464	1.6800	1.4069	1.7234	1.3669	1.7684
55	1.5276	1.6014	1.4903	1.6406	1.4523	1.6815	1.4136	1.7240	1.3743	1.7681
56	1.5320	1.6045	1.4954	1.6430	1.4581	1.6830	1.4201	1.7246	1.3815	1.7678
57	1.5363	1.6075	1.5004	1.6452	1.4637	1.6845	1.4264	1.7253	1.3885	1.7675
58	1.5405	1.6105	1.5052	1.6475	1.4692	1.6860	1.4325	1.7259	1.3953	1.7673
59	1.5446	1.6134	1.5099	1.6497	1.4745	1.6875	1.4385	1.7266	1.4019	1.7672
60	1.5485	1.6162	1.5144	1.6518	1.4797	1.6889	1.4443	1.7274	1.4083	1.7671
61	1.5524	1.6189	1.5189	1.6540	1.4847	1.6904	1.4499	1.7281	1.4146	1.7671
62	1.5562	1.6216	1.5232	1.6561	1.4896	1.6918	1.4554	1.7288	1.4206	1.7671
63	1.5599	1.6243	1.5274	1.6581	1.4943	1.6932	1.4607	1.7296	1.4265	1.7671
64	1.5635	1.6268	1.5315	1.6601	1.4990	1.6946	1.4659	1.7303	1.4322	1.7672
65	1.5670	1.6294	1.5355	1.6621	1.5035	1.6960	1.4709	1.7311	1.4378	1.7673
66	1.5704	1.6318	1.5395	1.6640	1.5079	1.6974	1.4758	1.7319	1.4433	1.7675
67	1.5738	1.6343	1.5433	1.6660	1.5122	1.6988	1.4806	1.7327	1.4486	1.7676
68	1.5771	1.6367	1.5470	1.6678	1.5164	1.7001	1.4853	1.7335	1.4537	1.7678
69	1.5803	1.6390	1.5507	1.6697	1.5205	1.7015	1.4899	1.7343	1.4588	1.7680
70	1.5834	1.6413	1.5542	1.6715	1.5245	1.7028	1.4943	1.7351	1.4637	1.7683

n	k=1		k=2		k=3		k=4		k=5	
	dL	dU	dL	dU	dL	dU	dL	dU	dL	dU
71	1.5865	1.6435	1.5577	1.6733	1.5284	1.7041	1.4987	1.7358	1.4685	1.7685
72	1.5895	1.6457	1.5611	1.6751	1.5323	1.7054	1.5029	1.7366	1.4732	1.7688
73	1.5924	1.6479	1.5645	1.6768	1.5360	1.7067	1.5071	1.7375	1.4778	1.7691
74	1.5953	1.6500	1.5677	1.6785	1.5397	1.7079	1.5112	1.7383	1.4822	1.7694
75	1.5981	1.6521	1.5709	1.6802	1.5432	1.7092	1.5151	1.7390	1.4866	1.7698
76	1.6009	1.6541	1.5740	1.6819	1.5467	1.7104	1.5190	1.7399	1.4909	1.7701
77	1.6036	1.6561	1.5771	1.6835	1.5502	1.7117	1.5228	1.7407	1.4950	1.7704
78	1.6063	1.6581	1.5801	1.6851	1.5535	1.7129	1.5265	1.7415	1.4991	1.7708
79	1.6089	1.6601	1.5830	1.6867	1.5568	1.7141	1.5302	1.7423	1.5031	1.7712
80	1.6114	1.6620	1.5859	1.6882	1.5600	1.7153	1.5337	1.7430	1.5070	1.7716
81	1.6139	1.6639	1.5888	1.6898	1.5632	1.7164	1.5372	1.7438	1.5109	1.7720
82	1.6164	1.6657	1.5915	1.6913	1.5663	1.7176	1.5406	1.7446	1.5146	1.7724
83	1.6188	1.6675	1.5942	1.6928	1.5693	1.7187	1.5440	1.7454	1.5183	1.7728
84	1.6212	1.6693	1.5969	1.6942	1.5723	1.7199	1.5472	1.7462	1.5219	1.7732
85	1.6235	1.6711	1.5995	1.6957	1.5752	1.7210	1.5505	1.7470	1.5254	1.7736
86	1.6258	1.6728	1.6021	1.6971	1.5780	1.7221	1.5536	1.7478	1.5289	1.7740
87	1.6280	1.6745	1.6046	1.6985	1.5808	1.7232	1.5567	1.7485	1.5322	1.7745
88	1.6302	1.6762	1.6071	1.6999	1.5836	1.7243	1.5597	1.7493	1.5356	1.7749
89	1.6324	1.6778	1.6095	1.7013	1.5863	1.7254	1.5627	1.7501	1.5388	1.7754
90	1.6345	1.6794	1.6119	1.7026	1.5889	1.7264	1.5656	1.7508	1.5420	1.7758
91	1.6366	1.6810	1.6143	1.7040	1.5915	1.7275	1.5685	1.7516	1.5452	1.7763
92	1.6387	1.6826	1.6166	1.7053	1.5941	1.7285	1.5713	1.7523	1.5482	1.7767
93	1.6407	1.6841	1.6188	1.7066	1.5966	1.7295	1.5741	1.7531	1.5513	1.7772
94	1.6427	1.6857	1.6211	1.7078	1.5991	1.7306	1.5768	1.7538	1.5542	1.7776
95	1.6447	1.6872	1.6233	1.7091	1.6015	1.7316	1.5795	1.7546	1.5572	1.7781
96	1.6466	1.6887	1.6254	1.7103	1.6039	1.7326	1.5821	1.7553	1.5600	1.7785
97	1.6485	1.6901	1.6275	1.7116	1.6063	1.7335	1.5847	1.7560	1.5628	1.7790
98	1.6504	1.6916	1.6296	1.7128	1.6086	1.7345	1.5872	1.7567	1.5656	1.7795
99	1.6522	1.6930	1.6317	1.7140	1.6108	1.7355	1.5897	1.7575	1.5683	1.7799
100	1.6540	1.6944	1.6337	1.7152	1.6131	1.7364	1.5922	1.7582	1.5710	1.7804
101	1.6558	1.6958	1.6357	1.7163	1.6153	1.7374	1.5946	1.7589	1.5736	1.7809
102	1.6576	1.6971	1.6376	1.7175	1.6174	1.7383	1.5969	1.7596	1.5762	1.7813
103	1.6593	1.6985	1.6396	1.7186	1.6196	1.7392	1.5993	1.7603	1.5788	1.7818
104	1.6610	1.6998	1.6415	1.7198	1.6217	1.7402	1.6016	1.7610	1.5813	1.7823
105	1.6627	1.7011	1.6433	1.7209	1.6237	1.7411	1.6038	1.7617	1.5837	1.7827
106	1.6644	1.7024	1.6452	1.7220	1.6258	1.7420	1.6061	1.7624	1.5861	1.7832
107	1.6660	1.7037	1.6470	1.7231	1.6277	1.7428	1.6083	1.7631	1.5885	1.7837
108	1.6676	1.7050	1.6488	1.7241	1.6297	1.7437	1.6104	1.7637	1.5909	1.7841
109	1.6692	1.7062	1.6505	1.7252	1.6317	1.7446	1.6125	1.7644	1.5932	1.7846
110	1.6708	1.7074	1.6523	1.7262	1.6336	1.7455	1.6146	1.7651	1.5955	1.7851
111	1.6723	1.7086	1.6540	1.7273	1.6355	1.7463	1.6167	1.7657	1.5977	1.7855
112	1.6738	1.7098	1.6557	1.7283	1.6373	1.7472	1.6187	1.7664	1.5999	1.7860
113	1.6753	1.7110	1.6574	1.7293	1.6391	1.7480	1.6207	1.7670	1.6021	1.7864
114	1.6768	1.7122	1.6590	1.7303	1.6410	1.7488	1.6227	1.7677	1.6042	1.7869
115	1.6783	1.7133	1.6606	1.7313	1.6427	1.7496	1.6246	1.7683	1.6063	1.7874
116	1.6797	1.7145	1.6622	1.7323	1.6445	1.7504	1.6265	1.7690	1.6084	1.7878
117	1.6812	1.7156	1.6638	1.7332	1.6462	1.7512	1.6284	1.7696	1.6105	1.7883
118	1.6826	1.7167	1.6653	1.7342	1.6479	1.7520	1.6303	1.7702	1.6125	1.7887
119	1.6839	1.7178	1.6669	1.7352	1.6496	1.7528	1.6321	1.7709	1.6145	1.7892
120	1.6853	1.7189	1.6684	1.7361	1.6513	1.7536	1.6339	1.7715	1.6164	1.7896
121	1.6867	1.7200	1.6699	1.7370	1.6529	1.7544	1.6357	1.7721	1.6184	1.7901
122	1.6880	1.7210	1.6714	1.7379	1.6545	1.7552	1.6375	1.7727	1.6203	1.7905
123	1.6893	1.7221	1.6728	1.7388	1.6561	1.7559	1.6392	1.7733	1.6222	1.7910
124	1.6906	1.7231	1.6743	1.7397	1.6577	1.7567	1.6409	1.7739	1.6240	1.7914
125	1.6919	1.7241	1.6757	1.7406	1.6592	1.7574	1.6426	1.7745	1.6258	1.7919
126	1.6932	1.7252	1.6771	1.7415	1.6608	1.7582	1.6443	1.7751	1.6276	1.7923
127	1.6944	1.7261	1.6785	1.7424	1.6623	1.7589	1.6460	1.7757	1.6294	1.7928
128	1.6957	1.7271	1.6798	1.7432	1.6638	1.7596	1.6476	1.7763	1.6312	1.7932
129	1.6969	1.7281	1.6812	1.7441	1.6653	1.7603	1.6492	1.7769	1.6329	1.7937
130	1.6981	1.7291	1.6825	1.7449	1.6667	1.7610	1.6508	1.7774	1.6346	1.7941
131	1.6993	1.7301	1.6838	1.7458	1.6682	1.7617	1.6523	1.7780	1.6363	1.7945
132	1.7005	1.7310	1.6851	1.7466	1.6696	1.7624	1.6539	1.7786	1.6380	1.7950
133	1.7017	1.7319	1.6864	1.7474	1.6710	1.7631	1.6554	1.7791	1.6397	1.7954
134	1.7028	1.7329	1.6877	1.7482	1.6724	1.7638	1.6569	1.7797	1.6413	1.7958
135	1.7040	1.7338	1.6889	1.7490	1.6738	1.7645	1.6584	1.7802	1.6429	1.7962
136	1.7051	1.7347	1.6902	1.7498	1.6751	1.7652	1.6599	1.7808	1.6445	1.7967

LAMPIRAN 17
TABEL DISTIBUSI T, $\alpha = 5\%$

Pr	0.25	0.10	0.05	0.025	0.01	0.005	0.001
df	0.50	0.20	0.10	0.050	0.02	0.010	0.002
1	1.00000	3.07768	6.31375	12.70620	31.82052	63.65674	318.30884
2	0.81650	1.88562	2.91999	4.30265	6.96456	9.92484	22.32712
3	0.76489	1.63774	2.35336	3.15245	4.54070	5.84091	10.21453
4	0.74070	1.53321	2.13185	2.77645	3.74695	4.60409	7.17318
5	0.72669	1.47588	2.01505	2.57058	3.36493	4.03214	5.89343
6	0.71756	1.43976	1.94318	2.44691	3.14267	3.70743	5.20763
7	0.71114	1.41492	1.89458	2.36462	2.99795	3.49948	4.76529
8	0.70639	1.39682	1.85955	2.30600	2.89646	3.35539	4.50079
9	0.70272	1.38303	1.83311	2.26216	2.82144	3.24964	4.29661
10	0.69981	1.37218	1.81246	2.22614	2.76377	3.16927	4.14370
11	0.69745	1.36343	1.79588	2.20099	2.71808	3.10581	4.02470
12	0.69548	1.35622	1.78229	2.17881	2.68100	3.05454	3.92963
13	0.69383	1.35017	1.77093	2.16037	2.65031	3.01226	3.85198
14	0.69242	1.34503	1.76131	2.14479	2.62449	2.97684	3.78739
15	0.69120	1.34061	1.75305	2.13145	2.60248	2.94671	3.73283
16	0.69013	1.33676	1.74588	2.11991	2.58349	2.92076	3.68615
17	0.68920	1.33338	1.73961	2.10982	2.56693	2.89823	3.64577
18	0.68836	1.33039	1.73406	2.10092	2.55238	2.87844	3.61048
19	0.68762	1.32773	1.72913	2.09302	2.53948	2.86093	3.57940
20	0.68695	1.32534	1.72472	2.08596	2.52798	2.84534	3.55181
21	0.68635	1.32319	1.72074	2.07961	2.51765	2.83136	3.52715
22	0.68581	1.32124	1.71714	2.07387	2.50832	2.81876	3.50499
23	0.68531	1.31946	1.71387	2.06866	2.49987	2.80734	3.48496
24	0.68485	1.31784	1.71088	2.06390	2.49216	2.79694	3.46676
25	0.68443	1.31635	1.70814	2.05954	2.48511	2.78744	3.45019
26	0.68404	1.31497	1.70562	2.05553	2.47863	2.77871	3.43500
27	0.68368	1.31370	1.70329	2.05183	2.47266	2.77068	3.42103
28	0.68335	1.31253	1.70113	2.04841	2.46714	2.76326	3.40816
29	0.68304	1.31143	1.69913	2.04523	2.46202	2.75639	3.39624
30	0.68276	1.31042	1.69726	2.04227	2.45726	2.75000	3.38518
31	0.68249	1.30946	1.69552	2.03951	2.45282	2.74404	3.37490
32	0.68223	1.30857	1.69389	2.03693	2.44868	2.73848	3.36531
33	0.68200	1.30774	1.69236	2.03452	2.44479	2.73326	3.35634
34	0.68177	1.30695	1.69092	2.03224	2.44115	2.72839	3.34793
35	0.68156	1.30621	1.68957	2.03011	2.43772	2.72381	3.34005
36	0.68137	1.30551	1.68830	2.02809	2.43449	2.71948	3.33262
37	0.68118	1.30485	1.68709	2.02619	2.43145	2.71541	3.32563
38	0.68100	1.30423	1.68595	2.02439	2.42857	2.71156	3.31903
39	0.68083	1.30364	1.68488	2.02269	2.42584	2.70791	3.31279
40	0.68067	1.30308	1.68385	2.02108	2.42326	2.70446	3.30688

df \ Pr	0.25	0.10	0.05	0.025	0.01	0.005	0.001
	0.50	0.20	0.10	0.050	0.02	0.010	0.002
41	0.68052	1.30254	1.68288	2.01954	2.42080	2.70118	3.30127
42	0.68038	1.30204	1.68198	2.01808	2.41847	2.69807	3.29585
43	0.68024	1.30155	1.68107	2.01669	2.41625	2.69510	3.29089
44	0.68011	1.30109	1.68023	2.01537	2.41413	2.69228	3.28607
45	0.67998	1.30065	1.67943	2.01410	2.41212	2.68959	3.28148
46	0.67986	1.30023	1.67866	2.01290	2.41019	2.68701	3.27710
47	0.67975	1.29982	1.67793	2.01174	2.40835	2.68456	3.27291
48	0.67964	1.29944	1.67722	2.01063	2.40658	2.68220	3.26891
49	0.67953	1.29907	1.67655	2.00956	2.40489	2.67995	3.26506
50	0.67943	1.29871	1.67591	2.00856	2.40327	2.67779	3.26141
51	0.67933	1.29837	1.67528	2.00758	2.40172	2.67572	3.25789
52	0.67924	1.29805	1.67469	2.00665	2.40022	2.67373	3.25451
53	0.67915	1.29773	1.67412	2.00575	2.39879	2.67182	3.25127
54	0.67906	1.29743	1.67356	2.00488	2.39741	2.66998	3.24815
55	0.67898	1.29713	1.67303	2.00404	2.39608	2.66822	3.24515
56	0.67890	1.29685	1.67252	2.00324	2.39480	2.66651	3.24226
57	0.67882	1.29658	1.67203	2.00247	2.39357	2.66487	3.23948
58	0.67874	1.29632	1.67155	2.00172	2.39238	2.66329	3.23680
59	0.67867	1.29607	1.67109	2.00100	2.39123	2.66176	3.23421
60	0.67860	1.29582	1.67065	2.00030	2.39012	2.66028	3.23171
61	0.67853	1.29558	1.67022	1.99962	2.38905	2.65886	3.22930
62	0.67847	1.29536	1.66980	1.99897	2.38801	2.65748	3.22696
63	0.67840	1.29513	1.66940	1.99834	2.38701	2.65615	3.22471
64	0.67834	1.29492	1.66901	1.99773	2.38604	2.65485	3.22253
65	0.67828	1.29471	1.66864	1.99714	2.38510	2.65360	3.22041
66	0.67823	1.29451	1.66827	1.99656	2.38419	2.65239	3.21837
67	0.67817	1.29432	1.66792	1.99601	2.38330	2.65122	3.21639
68	0.67811	1.29413	1.66757	1.99547	2.38245	2.65008	3.21446
69	0.67806	1.29394	1.66724	1.99495	2.38161	2.64898	3.21260
70	0.67801	1.29376	1.66691	1.99444	2.38081	2.64790	3.21079
71	0.67796	1.29359	1.66660	1.99394	2.38002	2.64686	3.20903
72	0.67791	1.29342	1.66629	1.99346	2.37926	2.64585	3.20733
73	0.67787	1.29326	1.66600	1.99300	2.37852	2.64487	3.20567
74	0.67782	1.29310	1.66571	1.99254	2.37780	2.64391	3.20406
75	0.67778	1.29294	1.66543	1.99210	2.37710	2.64298	3.20249
76	0.67773	1.29279	1.66515	1.99167	2.37642	2.64208	3.20096
77	0.67769	1.29264	1.66488	1.99125	2.37576	2.64120	3.19948
78	0.67765	1.29250	1.66462	1.99085	2.37511	2.64034	3.19804
79	0.67761	1.29236	1.66437	1.99045	2.37448	2.63950	3.19663
80	0.67757	1.29222	1.66412	1.99006	2.37387	2.63869	3.19526

df \ Pr	0.25	0.10	0.05	0.025	0.01	0.005	0.001
	0.50	0.20	0.10	0.050	0.02	0.010	0.002
81	0.67753	1.29209	1.66366	1.96969	2.37327	2.63790	3.19392
82	0.67749	1.29196	1.66365	1.96932	2.37269	2.63712	3.19262
83	0.67746	1.29183	1.66342	1.96896	2.37212	2.63637	3.19135
84	0.67742	1.29171	1.66320	1.96861	2.37156	2.63563	3.19011
85	0.67739	1.29159	1.66296	1.96827	2.37102	2.63491	3.18890
86	0.67735	1.29147	1.66277	1.96793	2.37049	2.63421	3.18772
87	0.67732	1.29136	1.66256	1.96761	2.36996	2.63353	3.18657
88	0.67729	1.29125	1.66235	1.96729	2.36947	2.63286	3.18544
89	0.67726	1.29114	1.66216	1.96696	2.36896	2.63220	3.18434
90	0.67723	1.29103	1.66196	1.96667	2.36850	2.63157	3.18327
91	0.67720	1.29092	1.66177	1.96636	2.36803	2.63094	3.18222
92	0.67717	1.29082	1.66159	1.96609	2.36757	2.63033	3.18119
93	0.67714	1.29072	1.66140	1.96580	2.36712	2.62973	3.18019
94	0.67711	1.29062	1.66123	1.96552	2.36667	2.62915	3.17921
95	0.67708	1.29053	1.66105	1.96525	2.36624	2.62856	3.17825
96	0.67705	1.29043	1.66086	1.96496	2.36582	2.62802	3.17731
97	0.67703	1.29034	1.66071	1.96472	2.36541	2.62747	3.17639
98	0.67700	1.29025	1.66055	1.96447	2.36500	2.62693	3.17549
99	0.67696	1.29016	1.66039	1.96422	2.36461	2.62641	3.17460
100	0.67695	1.29007	1.66023	1.96397	2.36422	2.62589	3.17374
101	0.67693	1.28999	1.66006	1.96373	2.36384	2.62539	3.17289
102	0.67690	1.28991	1.65993	1.96350	2.36346	2.62489	3.17206
103	0.67688	1.28982	1.65976	1.96326	2.36310	2.62441	3.17125
104	0.67686	1.28974	1.65964	1.96304	2.36274	2.62393	3.17045
105	0.67683	1.28967	1.65950	1.96282	2.36239	2.62347	3.16967
106	0.67681	1.28959	1.65936	1.96260	2.36204	2.62301	3.16890
107	0.67679	1.28951	1.65922	1.96236	2.36170	2.62256	3.16815
108	0.67677	1.28944	1.65909	1.96217	2.36137	2.62212	3.16741
109	0.67675	1.28937	1.65895	1.96197	2.36105	2.62169	3.16669
110	0.67673	1.28930	1.65882	1.96177	2.36073	2.62126	3.16596
111	0.67671	1.28922	1.65870	1.96157	2.36041	2.62085	3.16526
112	0.67669	1.28916	1.65857	1.96137	2.36010	2.62044	3.16460
113	0.67667	1.28909	1.65845	1.96116	2.35980	2.62004	3.16392
114	0.67665	1.28902	1.65833	1.96099	2.35950	2.61964	3.16326
115	0.67663	1.28896	1.65821	1.96081	2.35921	2.61926	3.16262
116	0.67661	1.28889	1.65810	1.96063	2.35892	2.61888	3.16196
117	0.67659	1.28883	1.65798	1.96045	2.35864	2.61850	3.16135
118	0.67657	1.28877	1.65787	1.96027	2.35837	2.61814	3.16074
119	0.67656	1.28871	1.65776	1.96010	2.35809	2.61776	3.16013
120	0.67654	1.28865	1.65765	1.97993	2.35782	2.61742	3.15954

LAMPIRAN 18
TABEL DISTRIBUSI F, $\alpha = 5\%$

df untuk penyebut (N2)	df untuk pembilang (N1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	161	199	216	225	230	234	237	239	241	242	243	244	245	245	246
2	18.51	19.00	19.16	19.25	19.30	19.33	19.35	19.37	19.38	19.40	19.40	19.41	19.42	19.42	19.43
3	10.13	9.55	9.28	9.12	9.01	8.94	8.89	8.85	8.81	8.79	8.76	8.74	8.73	8.71	8.70
4	7.71	6.94	6.59	6.39	6.26	6.16	6.09	6.04	6.00	5.96	5.94	5.91	5.89	5.87	5.86
5	6.61	5.79	5.41	5.19	5.05	4.95	4.88	4.82	4.77	4.74	4.70	4.68	4.66	4.64	4.62
6	5.99	5.14	4.76	4.53	4.39	4.28	4.21	4.15	4.10	4.06	4.03	4.00	3.98	3.96	3.94
7	5.59	4.74	4.35	4.12	3.97	3.87	3.79	3.73	3.68	3.64	3.60	3.57	3.55	3.53	3.51
8	5.32	4.46	4.07	3.84	3.69	3.58	3.50	3.44	3.39	3.35	3.31	3.28	3.26	3.24	3.22
9	5.12	4.26	3.86	3.63	3.48	3.37	3.29	3.23	3.18	3.14	3.10	3.07	3.05	3.03	3.01
10	4.96	4.10	3.71	3.48	3.33	3.22	3.14	3.07	3.02	2.98	2.94	2.91	2.89	2.86	2.85
11	4.84	3.98	3.59	3.36	3.20	3.09	3.01	2.95	2.90	2.85	2.82	2.79	2.76	2.74	2.72
12	4.75	3.89	3.49	3.26	3.11	3.00	2.91	2.85	2.80	2.75	2.72	2.69	2.66	2.64	2.62
13	4.67	3.81	3.41	3.18	3.03	2.92	2.83	2.77	2.71	2.67	2.63	2.60	2.58	2.55	2.53
14	4.60	3.74	3.34	3.11	2.96	2.85	2.76	2.70	2.65	2.60	2.57	2.53	2.51	2.48	2.46
15	4.54	3.68	3.29	3.06	2.90	2.79	2.71	2.64	2.59	2.54	2.51	2.48	2.45	2.42	2.40
16	4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54	2.49	2.46	2.42	2.40	2.37	2.35
17	4.45	3.59	3.20	2.96	2.81	2.70	2.61	2.55	2.49	2.45	2.41	2.38	2.35	2.33	2.31
18	4.41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46	2.41	2.37	2.34	2.31	2.29	2.27
19	4.38	3.52	3.13	2.90	2.74	2.63	2.54	2.48	2.42	2.38	2.34	2.31	2.28	2.26	2.23
20	4.35	3.49	3.10	2.87	2.71	2.60	2.51	2.45	2.39	2.35	2.31	2.28	2.25	2.22	2.20
21	4.32	3.47	3.07	2.84	2.68	2.57	2.49	2.42	2.37	2.32	2.28	2.25	2.22	2.20	2.18
22	4.30	3.44	3.05	2.82	2.66	2.55	2.46	2.40	2.34	2.30	2.26	2.23	2.20	2.17	2.15
23	4.28	3.42	3.03	2.80	2.64	2.53	2.44	2.37	2.32	2.27	2.24	2.20	2.18	2.15	2.13
24	4.26	3.40	3.01	2.78	2.62	2.51	2.42	2.36	2.30	2.25	2.22	2.18	2.15	2.13	2.11
25	4.24	3.39	2.99	2.76	2.60	2.49	2.40	2.34	2.28	2.24	2.20	2.16	2.14	2.11	2.09
26	4.23	3.37	2.98	2.74	2.59	2.47	2.39	2.32	2.27	2.22	2.18	2.15	2.12	2.09	2.07
27	4.21	3.35	2.96	2.73	2.57	2.46	2.37	2.31	2.25	2.20	2.17	2.13	2.10	2.08	2.06
28	4.20	3.34	2.95	2.71	2.56	2.45	2.36	2.29	2.24	2.19	2.15	2.12	2.09	2.06	2.04
29	4.18	3.33	2.93	2.70	2.55	2.43	2.35	2.28	2.22	2.18	2.14	2.10	2.08	2.05	2.03
30	4.17	3.32	2.92	2.69	2.53	2.42	2.33	2.27	2.21	2.16	2.13	2.09	2.06	2.04	2.01
31	4.16	3.30	2.91	2.68	2.52	2.41	2.32	2.25	2.20	2.15	2.11	2.08	2.05	2.03	2.00
32	4.15	3.29	2.90	2.67	2.51	2.40	2.31	2.24	2.19	2.14	2.10	2.07	2.04	2.01	1.99
33	4.14	3.28	2.89	2.66	2.50	2.39	2.30	2.23	2.18	2.13	2.09	2.06	2.03	2.00	1.98
34	4.13	3.26	2.88	2.65	2.49	2.38	2.29	2.23	2.17	2.12	2.08	2.05	2.02	1.99	1.97
35	4.12	3.27	2.87	2.64	2.49	2.37	2.29	2.22	2.16	2.11	2.07	2.04	2.01	1.99	1.96
36	4.11	3.26	2.87	2.63	2.46	2.36	2.28	2.21	2.15	2.11	2.07	2.03	2.00	1.98	1.95
37	4.11	3.25	2.86	2.63	2.47	2.36	2.27	2.20	2.14	2.10	2.06	2.02	2.00	1.97	1.95
38	4.10	3.24	2.85	2.62	2.46	2.35	2.26	2.19	2.14	2.09	2.05	2.02	1.99	1.96	1.94
39	4.09	3.24	2.85	2.61	2.46	2.34	2.26	2.19	2.13	2.08	2.04	2.01	1.98	1.95	1.93
40	4.08	3.23	2.84	2.61	2.45	2.34	2.25	2.18	2.12	2.08	2.04	2.00	1.97	1.95	1.92
41	4.08	3.23	2.83	2.60	2.44	2.33	2.24	2.17	2.12	2.07	2.03	2.00	1.97	1.94	1.92
42	4.07	3.22	2.83	2.59	2.44	2.32	2.24	2.17	2.11	2.06	2.03	1.99	1.96	1.94	1.91
43	4.07	3.21	2.82	2.59	2.43	2.32	2.23	2.16	2.11	2.06	2.02	1.99	1.96	1.93	1.91
44	4.06	3.21	2.82	2.58	2.43	2.31	2.23	2.16	2.10	2.05	2.01	1.98	1.95	1.92	1.90
45	4.06	3.20	2.81	2.58	2.42	2.31	2.22	2.15	2.10	2.05	2.01	1.97	1.94	1.92	1.89

df untuk penyebut (N2)	df untuk pembilang (N1)														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
46	4.05	3.20	2.61	2.57	2.42	2.30	2.22	2.15	2.09	2.04	2.00	1.97	1.94	1.91	1.89
47	4.05	3.20	2.60	2.57	2.41	2.30	2.21	2.14	2.09	2.04	2.00	1.96	1.93	1.91	1.88
48	4.04	3.19	2.60	2.57	2.41	2.29	2.21	2.14	2.06	2.03	1.99	1.96	1.93	1.90	1.88
49	4.04	3.19	2.79	2.56	2.40	2.29	2.20	2.13	2.06	2.03	1.99	1.96	1.93	1.90	1.88
50	4.03	3.16	2.79	2.56	2.40	2.29	2.20	2.13	2.07	2.03	1.99	1.95	1.92	1.89	1.87
51	4.03	3.16	2.79	2.55	2.40	2.28	2.20	2.13	2.07	2.02	1.98	1.95	1.92	1.89	1.87
52	4.03	3.16	2.76	2.55	2.39	2.28	2.19	2.12	2.07	2.02	1.98	1.94	1.91	1.89	1.86
53	4.02	3.17	2.76	2.55	2.39	2.28	2.19	2.12	2.06	2.01	1.97	1.94	1.91	1.88	1.86
54	4.02	3.17	2.76	2.54	2.39	2.27	2.18	2.12	2.06	2.01	1.97	1.94	1.91	1.88	1.86
55	4.02	3.16	2.77	2.54	2.38	2.27	2.18	2.11	2.06	2.01	1.97	1.93	1.90	1.88	1.85
56	4.01	3.16	2.77	2.54	2.38	2.27	2.18	2.11	2.05	2.00	1.96	1.93	1.90	1.87	1.85
57	4.01	3.16	2.77	2.53	2.38	2.26	2.18	2.11	2.05	2.00	1.96	1.93	1.90	1.87	1.85
58	4.01	3.16	2.76	2.53	2.37	2.26	2.17	2.10	2.05	2.00	1.96	1.92	1.89	1.87	1.84
59	4.00	3.15	2.76	2.53	2.37	2.26	2.17	2.10	2.04	2.00	1.96	1.92	1.89	1.86	1.84
60	4.00	3.15	2.76	2.53	2.37	2.25	2.17	2.10	2.04	1.99	1.95	1.92	1.89	1.86	1.84
61	4.00	3.15	2.76	2.52	2.37	2.25	2.16	2.09	2.04	1.99	1.95	1.91	1.88	1.86	1.83
62	4.00	3.15	2.75	2.52	2.36	2.25	2.16	2.09	2.03	1.99	1.95	1.91	1.88	1.85	1.83
63	3.99	3.14	2.75	2.52	2.36	2.25	2.16	2.09	2.03	1.98	1.94	1.91	1.88	1.85	1.83
64	3.99	3.14	2.75	2.52	2.36	2.24	2.16	2.09	2.03	1.98	1.94	1.91	1.88	1.85	1.83
65	3.99	3.14	2.75	2.51	2.36	2.24	2.15	2.08	2.03	1.98	1.94	1.90	1.87	1.85	1.82
66	3.99	3.14	2.74	2.51	2.35	2.24	2.15	2.08	2.03	1.98	1.94	1.90	1.87	1.84	1.82
67	3.98	3.13	2.74	2.51	2.35	2.24	2.15	2.08	2.02	1.98	1.93	1.90	1.87	1.84	1.82
68	3.98	3.13	2.74	2.51	2.35	2.24	2.15	2.08	2.02	1.97	1.93	1.90	1.87	1.84	1.82
69	3.98	3.13	2.74	2.50	2.35	2.23	2.15	2.08	2.02	1.97	1.93	1.90	1.86	1.84	1.81
70	3.98	3.13	2.74	2.50	2.35	2.23	2.14	2.07	2.02	1.97	1.93	1.89	1.86	1.84	1.81
71	3.98	3.13	2.73	2.50	2.34	2.23	2.14	2.07	2.01	1.97	1.93	1.89	1.86	1.83	1.81
72	3.97	3.12	2.73	2.50	2.34	2.23	2.14	2.07	2.01	1.96	1.92	1.89	1.86	1.83	1.81
73	3.97	3.12	2.73	2.50	2.34	2.23	2.14	2.07	2.01	1.96	1.92	1.89	1.86	1.83	1.81
74	3.97	3.12	2.73	2.50	2.34	2.22	2.14	2.07	2.01	1.96	1.92	1.89	1.85	1.83	1.80
75	3.97	3.12	2.73	2.49	2.34	2.22	2.13	2.06	2.01	1.96	1.92	1.88	1.85	1.83	1.80
76	3.97	3.12	2.72	2.49	2.33	2.22	2.13	2.06	2.01	1.96	1.92	1.88	1.85	1.82	1.80
77	3.97	3.12	2.72	2.49	2.33	2.22	2.13	2.06	2.00	1.96	1.92	1.88	1.85	1.82	1.80
78	3.96	3.11	2.72	2.49	2.33	2.22	2.13	2.06	2.00	1.95	1.91	1.88	1.85	1.82	1.80
79	3.96	3.11	2.72	2.49	2.33	2.22	2.13	2.06	2.00	1.95	1.91	1.88	1.85	1.82	1.79
80	3.96	3.11	2.72	2.49	2.33	2.21	2.13	2.06	2.00	1.95	1.91	1.88	1.84	1.82	1.79
81	3.96	3.11	2.72	2.48	2.33	2.21	2.12	2.05	2.00	1.95	1.91	1.87	1.84	1.82	1.79
82	3.96	3.11	2.72	2.48	2.33	2.21	2.12	2.05	2.00	1.95	1.91	1.87	1.84	1.81	1.79
83	3.96	3.11	2.71	2.48	2.32	2.21	2.12	2.05	1.99	1.95	1.91	1.87	1.84	1.81	1.79
84	3.95	3.11	2.71	2.48	2.32	2.21	2.12	2.05	1.99	1.95	1.90	1.87	1.84	1.81	1.79
85	3.95	3.10	2.71	2.48	2.32	2.21	2.12	2.05	1.99	1.94	1.90	1.87	1.84	1.81	1.79
86	3.95	3.10	2.71	2.48	2.32	2.21	2.12	2.05	1.99	1.94	1.90	1.87	1.84	1.81	1.78
87	3.95	3.10	2.71	2.48	2.32	2.20	2.12	2.05	1.99	1.94	1.90	1.87	1.83	1.81	1.78
88	3.95	3.10	2.71	2.48	2.32	2.20	2.12	2.05	1.99	1.94	1.90	1.86	1.83	1.81	1.78
89	3.95	3.10	2.71	2.47	2.32	2.20	2.11	2.04	1.99	1.94	1.90	1.86	1.83	1.80	1.78
90	3.95	3.10	2.71	2.47	2.32	2.20	2.11	2.04	1.99	1.94	1.90	1.86	1.83	1.80	1.78

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