

LAMPIRAN – LAMPIRAN

Lampiran 1 Ringkasan Sampel

Keterangan	Jumlah
I. Perusahaan manufaktur yang terdaftar di BEI tahun 2016 – 2019	167
II. Menerbitkan annual report yang lengkap selama periode 2016 – 2019	97
III. Melaporkan laporan keuangan dalam mata uang rupiah	70
IV. Menghasilkan labas selama periode yang diteliti	40
V. Perusahaan manufaktur yang didalamnya mencantumkan nilai R&D dalam laporan tahunan	17
Total perusahaan yang memenuhi kriteria	17
Total perusahaan *periode penelitian (2016 - 2019)	68
Data outlier	0
Sampel akhir	68



Lampiran 2 Daftar Perusahaan Manufaktur

No.	Emiten	Kriteria					Sampel
		I	II	III	IV	V	
Sektor Industri Dasar dan Kimia							
Sub Sektor Semen							
1	INTP (Indocement Tunggal Prakasa Tbk)	O	X	X	X	X	X
2	SMBR (Semen Baturaja Persero Tbk)	O	X	X	X	X	X
3	SMCB (Holcim Indonesia Tbk d.h Semen Cibinong Tbk)	O	O	O	X	X	X
4	SMGR (Semen Indonesia Tbk d.h Semen Gresik)	O	X	X	X	X	X
5	WSBP (Waskita Beton Precast Tbk)	O	X	X	X	X	X
6	WTON (Wijaya Karya Beton Tbk)	O	X	X	X	X	X
Jumlah		6	1	1	0	0	0
Sub Sektor Keramik, Porselen, & Kaca							
1	AMFG (Asahimas Flat Glass Tbk)	O	X	X	X	X	X
2	ARNA (Arwana Citra Mulia Tbk)	O	X	X	X	X	X
3	IKAI (Inti Keramik Alam Asri Industri Tbk)	O	X	X	X	X	X
4	KIAS (Keramika Indonesia Asosiasi Tbk)	O	O	O	X	X	X
5	MARK (Mark Dynamics Indonesia Tbk)	O	X	X	X	X	X
6	MLIA (Mulia Industrindo Tbk)	O	O	X	X	X	X
7	TOTO (Surya Toto Indonesia Tbk)	O	O	O	O	O	O
Jumlah		7	3	2	1	1	1
Sub Sektor Logam & Sejenisnya							
1	ALKA (Alaska Industrindo Tbk)	O	O	O	X	X	X
2	ALMI (Alumindo Light Metal Industry Tbk)	O	O	O	X	X	X
3	BAJA (Saranaentral Bajatama Tbk)	O	O	O	X	X	X
4	BTON (Beton Jaya Manunggal Tbk)	O	O	O	X	X	X
5	CTBN (Citra Turbindo Tbk)	O	O	X	X	X	X
6	GDST (Gunawan Dianjaya Steel Tbk)	O	O	O	X	X	X
7	GGRP (Gunung Raja Paksi Tbk)	O	X	X	X	X	X
8	INAI (Indal Alumunium Industry Tbk)	O	O	O	O	O	O
9	ISSP (Steel Pipe Industry of Indonesia Tbk)	O	X	X	X	X	X
10	JKSW (Jakarta Kyoei Steel Work LTD Tbk)	O	O	O	X	X	X
11	JPRS (Jaya Pari Steel Tbk)	O	O	O	X	X	X
12	KRAS (Krakatau Steel Tbk)	O	O	X	X	X	X
13	LION (Lion Metal Work Tbk)	O	X	X	X	X	X
14	LMSH (Lionmesh Prima Tbk)	O	O	O	O	X	X
15	NIKL (Pelat Timah Nusantara Tbk)	O	O	X	X	X	X
16	PICO (Pelangi Indah Canindo Tbk)	O	X	X	X	X	X
17	PURE (Trinitan Metals an Minerals Tbk)	O	X	X	X	X	X
18	TBMS (Tembaga Mulia Semanan Tbk)	O	O	X	X	X	X
Jumlah		18	13	9	2	1	1

Sub Sektor Kimia						
1	AGII (Aneka Gas Industri Tbk)	O	X	X	X	X
2	BRPT (Barito Pasific Tbk)	O	O	X	X	X
3	BUDI (Budi Starch and Sweetener Tbk d.h Budi Acid Jaya Tbk)	O	O	O	O	X
4	DPNS (Duta Pertiwi Nusantara Tbk)	O	O	O	O	X
5	EKAD (Ekadharna International Tbk)	O	O	O	O	O
6	ETWA (Eterindo Wahanatama Tbk)	O	X	X	X	X
7	INCI (Intan Wijaya International Tbk)	O	O	O	O	X
8	MDKI (Emdeki Utama Tbk)	O	X	X	X	X
9	SOBI (Sorini Asia Argo Corporindo Tbk)	O	X	X	X	X
10	MOLI (Madusari Murni Indah Tbk)	O	X	X	X	X
11	SRSN (Indo Acitama Tbk)	O	O	O	O	O
12	TPIA (Chandra Asri Petrochemical Tbk)	O	O	X	X	X
13	UNIC (Unggul Indah Cahaya Tbk)	O	O	X	X	X
Jumlah		13	8	5	5	2

Sub Sektor Plastik & Kemasan						
1	AKKU (Alam Karya Unggul Tbk)	O	X	X	X	X
2	AKPI (Argha Karya Prima Industry Tbk)	O	O	O	O	X
3	APLI (Asiaplast Industries Tbk)	O	X	X	X	X
4	BRNA (Berlina Tbk)	O	O	O	X	X
5	ESIP (Sinergi Inti Plastindo Tbk)	O	X	X	X	X
6	FPNI (Lotte Chemical Titan Tbk d.h Titan Kimia Nusantara Tbk d.h Fatra Polindo Nusa Industri Tbk)	O	O	X	X	X
7	IGAR (Champion Pasific Indonesia Tbk d.h Kageo Igar Jaya Tbk)	O	O	O	O	X
8	IMPC (Impact Pratama Industri Tbk)	O	X	X	X	X
9	IPOL (Indopoly Swakarsa Industry Tbk)	O	O	X	X	X
10	PBID (Panca Budi Idaman Tbk)	O	X	X	X	X
11	SIAP (Sekawan Intipratama Tbk)	O	X	X	X	X
12	SIMA (Siwani Makmur Tbk)	O	O	O	X	X
13	SMKL (Satyamitra Kemas Lestari Tbk)	O	X	X	X	X
14	TALF (Tunas Alfin Tbk)	O	O	O	O	X
15	TRST (Trias Sentosa Tbk)	O	O	O	O	X
16	YPAS (Yana Prima Hasta Persada Tbk)	O	O	O	X	X
Jumlah		16	9	7	4	0

Sub Sektor Pakan Ternak						
1	CPIN (Charoen Pokphand Indonesia Tbk)	O	O	O	O	X
2	JPFA (Japfa Comfeed Indonesia Tbk)	O	O	O	O	O
3	MAIN (Malindo Feedmill Tbk)	O	O	O	X	X
4	SIPD (Siarad Produce Tbk)	O	O	O	X	X
Jumlah		4	4	4	2	1

Sub Sektor Kayu & Pengolahannya						
1	IFII (Indonesia Fibreboard Industry Tbk)	O	X	X	X	X
2	SINI (Singaraja Putra Tbk)	O	X	X	X	X
3	SULI (SLJ Global Tbk d.h Sumalindo Lestari Jaya Tbk)	O	O	X	X	X
4	TIRT (Tirta Mahakam Resources Tbk)	O	O	O	X	X
Jumlah		4	2	1	0	0

Sub Sektor Pulp & Kertas						
1	ALDO (Alkindo Naratama Tbk)	O	X	X	X	X
2	DAJK (Dwi Anekajaya Kemasindo Tbk)	O	X	X	X	X
3	FASW (Fajar Surya Wisesa Tbk)	O	X	X	X	X
4	INKP (Indah Kiat Pulp & paper Tbk)	O	O	X	X	X
5	INRU (Toba Pulp Lestari Tbk)	O	O	X	X	X
6	KBRI (Kertas Basuki Rachmat Indonesia Tbk)	O	O	O	X	X
7	KDSI (Kedaung Setia Industrial Tbk)	O	O	O	O	O
8	SPMA (Suparma Tbk)	O	O	O	X	X
9	SWAT (Sriwahana Adityakarta Tbk)	O	X	X	X	X
10	TKIM (Pabrik Kertas Tjiwi Kimia Tbk)	O	O	X	X	X
Jumlah		10	6	3	1	1

Sektor Aneka Industri

Sub Sektor Mesin dan Alat Berat						
1	AMIN (Ateliers Mecaniques D'Indonesie Tbk)	O	X	X	X	X
2	ARKA (Arkha Jayanti Persada Tbk)	O	X	X	X	X
3	GMFI (Garuda Maintenance Facility Aero Asia Tbk)	O	X	X	X	X
4	KPAL (Steadfast Marine Tbk)	O	X	X	X	X
5	KRAH (Grand Kartech Tbk)	O	X	X	X	X
Jumlah		5	0	0	0	0

Sub Sektor Otomotif dan Komponen						
1	ASII (Astra International Tbk)	O	X	X	X	X
2	AUTO (Astra Otoparts Tbk)	O	X	X	X	X
3	BOLT (Garuda Metalindo Tbk)	O	X	X	X	X
4	BRAM (Indo Kordsa Tbk d.h Branta Mulia Tbk)	O	O	X	X	X
5	GDYR (Goodyear Indonesia Tbk)	O	O	X	X	X
6	GJTL (Gajah Tunggal Tbk)	O	X	X	X	X
7	IMAS (Indomobil Sukses International Tbk)	O	O	O	X	X
8	INDS (Indospring Tbk)	O	X	X	X	X
9	LPIN (Multi Prima Sejahtera Tbk d.h Lippo Enterprises Tbk)	O	O	O	X	X
10	MASA (Multistrada Arah Sarana Tbk)	O	O	X	X	X
11	NIPS (Nippers Tbk)	O	X	X	X	X
12	PRAS (Prima Alloy Steel Universal Tbk)	O	X	X	X	X
13	SMSM (Selamat Sempurna Tbk)	O	O	O	O	X
Jumlah		13	6	3	1	0

Sub Sektor Tekstil dan Garment							
1	ADMG (Polychmen Indonesia Tbk)	0	0	X	X	X	X
2	ARGO (Argo Pantes Tbk)	0	0	X	X	X	X
3	BELL (Trisula Textile Industries Tbk)	0	X	X	X	X	X
4	CNTX (Century Textil Industry Tbk)	0	X	X	X	X	X
5	ERTX (Eratex Djaya Tbk)	0	0	X	X	X	X
6	ESTI (Ever Shine Tex Tbk)	0	0	X	X	X	X
7	HDTX (Panasia Indo Resources Tbk d.h Panasia Indosyntec Tbk)	0	0	0	X	X	X
8	INDR (Indo Rama Synthetic Tbk)	0	0	X	X	X	X
9	MYTX (Apac Citra Centertex Tbk)	0	X	X	X	X	X
10	PBRX (Pan Brothers Tbk)	0	0	X	X	X	X
11	POLY (Asia Pasific Fibers Tbk d.h Polysindo Eka Persada Tbk)	0	0	X	X	X	X
12	RICY (Ricky Putra Globalindo Tbk)	0	0	0	0	X	X
13	SRIL (Sri Rejeki Isman Tbk)	0	0	X	X	X	X
14	SSTM (Sunson Textile Manufacturer Tbk)	0	X	X	X	X	X
15	STAR (Star Petrochem Tbk)	0	0	0	0	X	X
16	TFCO (Tifico Fiber Indonesia Tbk)	0	0	X	X	X	X
17	TRIS (Trisula International Tbk)	0	0	0	0	0	0
18	UNIT (Nusantara Inti Corpora Tbk)	0	0	0	0	X	X
19	UNTX (Unitex Tbk)	0	X	X	X	X	X
Jumlah		19	14	5	4	1	1
Sub Sektor Alas Kaki							
1	BATA (Sepatu Bata Tbk)	0	0	0	0	X	X
2	BIMA (Primarindo Asia Infrastructure Tbk d.h Bintang Kharisma Tbk)	0	0	0	X	X	X
Jumlah		2	2	2	1	0	0
Sub Sektor Kabel							
1	IKBI (Sumi Indo Kabel Tbk)	0	X	X	X	X	X
2	JECC (Jembo Cable Company Tbk)	0	0	0	0	X	X
3	KBLI (KMI Wire and Cable Tbk)	0	X	X	X	X	X
4	KBLM (Kabelindo Murni Tbk)	0	0	0	0	0	0
5	SCCO (Supreme Cable Manufacturing and Commerce Tbk)	0	X	X	X	X	X
6	VOKS (Voksel Electric Tbk)	0	0	0	X	X	X
Jumlah		6	3	3	2	1	1
Sub Sektor Elektronika							
1	PTSN (Sat Nusa Persada Tbk)	0	0	X	X	X	X
Jumlah		1	1	0	0	0	0
Sektor Industri Barang Konsumsi							
Sub Sektor Makanan dan Minuman							
1	AISA (Tiga Pilar Sejahtera Food Tbk)	0	0	0	X	X	X
2	ALTO (Tri Banyan Tirta Tbk)	0	0	0	X	X	X
3	CAMP (Campine Ice Cream Industry Tbk)	0	X	X	X	X	X
4	CEKA (Wilmar Cahaya Indonesia Tbk d.h Cahaya Kalbar Tbk)	0	X	X	X	X	X
5	DAVO (Davomas Abadi Tbk)	0	X	X	X	X	X
6	CLEO (Sariguna Primatirta Tbk)	0	X	X	X	X	X
7	DLTA (Delta Jakarta Tbk)	0	0	0	0	X	X
8	HOKI (Buyung Poetra Sembada Tbk)	0	X	X	X	X	X
9	ICBP (Indofood CBF Sukses Makmur Tbk)	0	0	0	0	X	X
10	INDF (Indofood Sukses Makmur Tbk)	0	0	0	0	X	X
11	MLBI (Multi Bintang Indonesia Tbk)	0	0	0	0	X	X
12	MYOR (Mayora Indah Tbk)	0	X	X	X	X	X
13	PCAR (Prima Cakrawala Abadi Tbk)	0	X	X	X	X	X
14	PSDN (Prashida Aneka Niaga Tbk)	0	0	0	X	X	X
15	ROTI (Nippon Indosari Corporindo Tbk)	0	0	0	0	0	0
16	SKBM (Sekar bumi Tbk)	0	0	0	0	0	0
17	SKLT (Sekar Laut Tbk)	0	X	X	X	X	X
18	STTP (Siantar Top Tbk)	0	X	X	X	X	X
19	ULTJ (Ultrajaya Milk Industri and Trading Company Tbk)	0	0	0	0	X	X
Jumlah		19	10	10	7	2	2

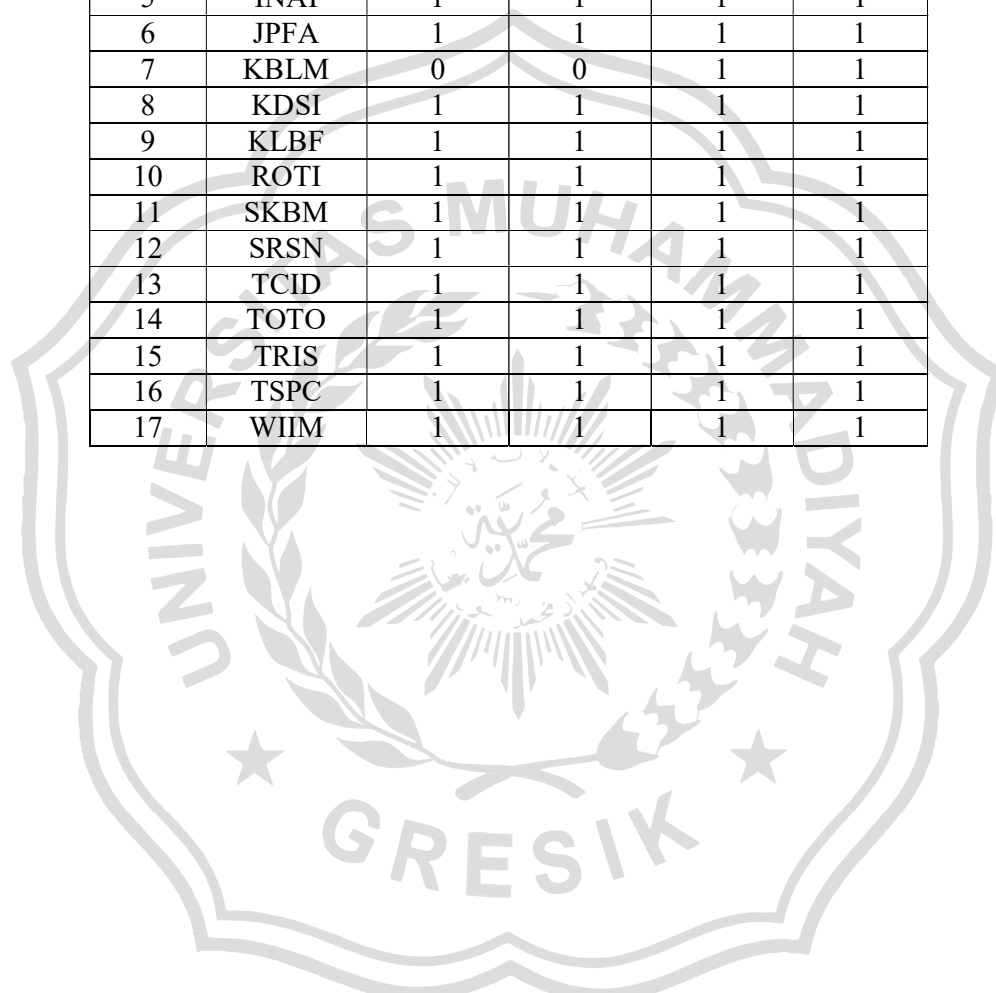
Sub Sektor Rokok						
1	GGRM (Gudang Garam Tbk)	O	O	O	O	O
2	HMSP (Hanjaya Mandala Sampoerna Tbk)	O	O	O	O	O
3	RMBA (Bantoel International Investama Tbk)	O	O	O	X	X
4	WIIM (Wismilak Inti Makmur Tbk)	O	O	O	O	O
Jumlah		4	4	4	3	3
Sub Sektor Farmasi						
1	DVLA (Darya Varia Laboratoria Tbk)	O	O	O	O	X
2	INAF (Indofarma Tbk)	O	O	O	X	X
3	KAEF (Kimia Farma Tbk)	O	X	X	X	X
4	KLBF (Kalbe Farma Tbk)	O	O	O	O	O
5	MERK (Merck Tbk)	O	X	X	X	X
6	PYFA (Pyridam Farma Tbk)	O	X	X	X	X
7	SCPI (Merck Sharp Dohme Pharma Tbk)	O	X	X	X	X
8	SIDO (Industri Jamu dan Farmasi Sido Muncul Tbk)	O	X	X	X	X
9	SQBB (Taisho Pharmaceutical Indonesia Tbk)	O	X	X	X	X
10	TSPC (Tempo Scan Pasific Tbk)	O	O	O	O	O
Jumlah		10	4	4	3	2
Sub Sektor Kosmetik dan Barang Keperluan Rumah Tangga						
1	ADES (Akasha Wira International Tbk d.h Ades Waters Indonesia Tbk)	O	O	O	O	X
2	KINO (Kino Indonesia Tbk)	O	X	X	X	X
3	MBTO (Martina Berto Tbk)	O	O	O	X	X
4	MRAT (Mustika Ratu Tbk)	O	O	O	X	X
5	TCID (Mandom Indonesia Tbk)	O	O	O	O	O
6	UNVR (Unilever Indonesia Tbk)	O	O	O	O	X
Jumlah		6	5	5	3	1
Sub Sektor Keperluan Rumah Tangga						
1	CINT (Chitose Internasional Tbk)	O	O	O	O	O
2	KICI (Kedaung Indah Can Tbk)	O	X	X	X	X
3	LMPI (Langgeng Makmur Industry Tbk)	O	O	O	X	X
4	WOOD (Integra Indocabinet Tbk)	O	X	X	X	X
Jumlah		4	2	2	1	1

Lampiran 3 Kertas Kerja Riset Kinerja Perusahaan (ROA)

No	Kode Emiten	2016	2017	2018	2019
1	CINT	0,0616	0,0622	0,0276	0,0138
2	EKAD	0,1291	0,0956	0,0868	0,0799
3	GGRM	0,1060	0,1162	0,1128	0,1383
4	HMSP	0,3002	0,2937	0,2905	0,2696
5	INAI	0,0266	0,0318	0,0289	0,0277
6	JPFA	0,1128	0,0525	0,0978	0,0748
7	KBLM	0,0332	0,0356	0,0313	0,0301
8	KDSI	0,0413	0,0519	0,0552	0,0511
9	KLBF	0,1544	0,1476	0,1376	0,1252
10	ROTI	0,0958	0,0297	0,0289	0,0505
11	SKBM	0,0225	0,0159	0,0090	0,0005
12	SRSN	0,0154	0,0271	0,0564	0,0550
13	TCID	0,0742	0,0758	0,0708	0,0569
14	TOTO	0,0653	0,0987	0,1197	0,0482
15	TRIS	0,0394	0,0261	0,0311	0,0203
16	TSPC	0,0828	0,0750	0,0687	0,0711
17	WIIM	0,0785	0,0331	0,0407	0,0210

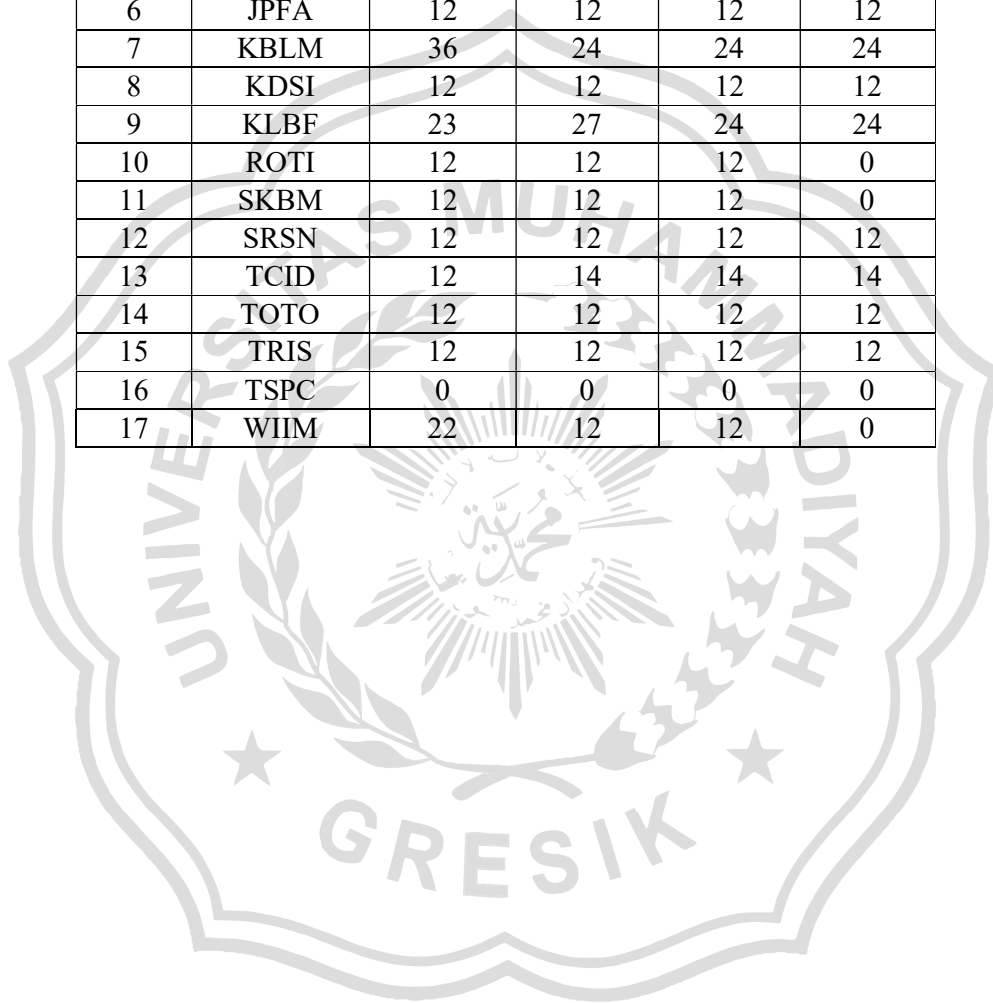
Lampiran 4 Kertas Kerja Riset Latar Belakang Pendidikan Dewan Direksi (LBPDD)

No	Kode Emiten	2016	2017	2018	2019
1	CINT	1	1	1	1
2	EKAD	1	1	1	1
3	GGRM	1	1	1	1
4	HMSP	1	1	1	1
5	INAI	1	1	1	1
6	JPFA	1	1	1	1
7	KBLM	0	0	1	1
8	KDSI	1	1	1	1
9	KLBF	1	1	1	1
10	ROTI	1	1	1	1
11	SKBM	1	1	1	1
12	SRSN	1	1	1	1
13	TCID	1	1	1	1
14	TOTO	1	1	1	1
15	TRIS	1	1	1	1
16	TSPC	1	1	1	1
17	WIIM	1	1	1	1



Lampiran 5 Kertas Kerja Riset Frekuensi Rapat Dewan Direksi (FRDD)

No	Kode Emiten	2016	2017	2018	2019
1	CINT	12	12	12	24
2	EKAD	12	21	6	0
3	GGRM	12	3	5	12
4	HMSP	12	12	12	12
5	INAI	0	36	38	0
6	JPFA	12	12	12	12
7	KBLM	36	24	24	24
8	KDSI	12	12	12	12
9	KLBF	23	27	24	24
10	ROTI	12	12	12	0
11	SKBM	12	12	12	0
12	SRSN	12	12	12	12
13	TCID	12	14	14	14
14	TOTO	12	12	12	12
15	TRIS	12	12	12	12
16	TSPC	0	0	0	0
17	WIIM	22	12	12	0



Lampiran 6 Kertas Kerja Riset Usia Dewan Direksi (UDD)

No	Kode Emiten	2016	2017	2018	2019
1	CINT	5	4	4	4
2	EKAD	2	2	2	2
3	GGRM	6	6	6	9
4	HMSP	8	8	8	8
5	INAI	5	5	5	5
6	JPFA	5	5	5	5
7	KBLM	4	3	3	3
8	KDSI	2	2	2	2
9	KLBF	5	6	6	6
10	ROTI	0	0	0	0
11	SKBM	6	6	6	7
12	SRSN	6	5	5	5
13	TCID	16	14	13	11
14	TOTO	6	9	10	9
15	TRIS	4	4	4	5
16	TSPC	10	10	9	10
17	WIIM	6	6	6	5

Lampiran 7 Kertas Kerja Riset Inovasi (INV)

No	Kode Emiten	2016	2017	2018	2019
1	CINT	21,6382	21,5192	24,1687	24,4048
2	EKAD	20,9170	21,6145	21,7094	22,1759
3	GGRM	27,2839	26,9002	26,5433	29,7854
4	HMSP	29,7090	29,7266	29,7122	29,7486
5	INAI	23,5133	23,6102	23,5867	23,5150
6	JPFA	26,0838	26,8122	27,2161	26,8226
7	KBLM	23,2351	24,1241	23,3945	23,1678
8	KDSI	23,4034	23,1798	23,0942	23,1428
9	KLBF	28,1342	28,2168	27,9909	28,2862
10	ROTI	26,7276	26,9826	27,2829	27,7971
11	SKBM	22,5480	22,2431	23,1202	22,9542
12	SRSN	22,2819	22,6521	22,9846	23,0545
13	TCID	26,6364	26,3572	26,3534	27,2413
14	TOTO	25,5367	25,6207	25,6390	25,6684
15	TRIS	23,7669	23,6958	24,0196	24,1883
16	TSPC	29,0659	29,1344	29,1728	29,2767
17	WIIM	26,1058	26,0036	26,2013	26,1042



Lampiran 8 Tabel Durbin Watson
 $\alpha = 5\%$ (K=4/68)

Tabel Durbin-Watson (DW), $\alpha = 5\%$

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

Lampiran 8 Tabel distribusi F untuk probabilitas = 0,05

Titik Persentase Distribusi F untuk Probabilita = 0,05

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	2.81	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	2.80	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	2.80	2.57	2.41	2.29	2.21	2.14	2.08	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	2.08	2.03	1.99	1.96	1.93	1.90	1.88
50	4.03	3.18	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	3.18	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	3.18	2.78	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	2.78	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	2.78	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

Lampiran 9 Tabel T

Titik Persentase Distribusi t (df = 41 - 80)

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
41	0.68052	1.30254	1.68288	2.01954	2.42080	2.70118	3.30127
42	0.68038	1.30204	1.68195	2.01808	2.41847	2.69807	3.29595
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	2.00958	2.40489	2.67995	3.26508
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

Lampiran 10 Hasil Uji SPSS

1. Uji Statistik Deskriptif

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
ROA	68	,00	,30	,0755	,06532
LBPDD	68	,00	1,00	,9706	,17021
FRDD	68	,00	38,00	12,8088	8,45755
UDD	68	,00	16,00	5,6029	3,20047
INV	68	20,92	29,79	25,3603	2,51460
Valid N (listwise)	68				

2. Uji Asumsi Klasik

2.1 Uji Normalitas

One-Sample Kolmogorov-Smirnov Test

		Unstandardized Residual
N		68
Normal Parameters ^{a,b}	Mean	,0000000
	Std. Deviation	,05143311
Most Extreme Differences	Absolute	,159
	Positive	,159
	Negative	-,100
Kolmogorov-Smirnov Z		1,312
Asymp. Sig. (2-tailed)		,064

a. Test distribution is Normal.

b. Calculated from data.

2.2 Uji Multikolinieritas

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
		B	Std. Error	Beta			Tolerance	VIF
1	(Constant)	-,372	,081		-4,572	,000		
	LBPDD	,032	,041	,083	,774	,442	,866	1,154
	FRDD	,001	,001	,122	1,139	,259	,861	1,162
	UDD	,000	,002	-,008	-,072	,943	,787	1,270
	INV	,016	,003	,616	5,499	,000	,784	1,275

a. Dependent Variable: ROA

2.3 Uji Autokorelasi

Model Summary^b

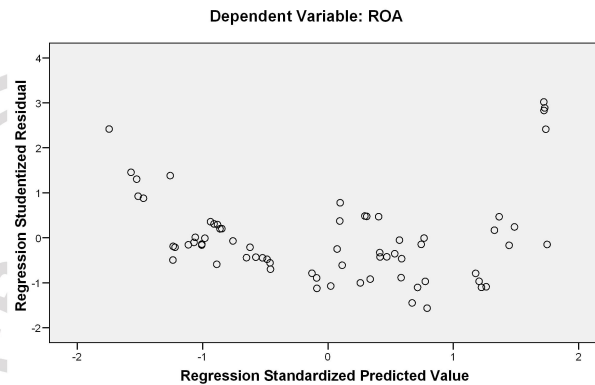
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	,617 ^a	,380	,341	,05304	1,744

a. Predictors: (Constant), INV, LBPDD, FRDD, UDD

b. Dependent Variable: ROA

2.4 Uji Heteroskedastisitas

Scatterplot



3. Uji Regresi Linier Berganda

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
		B	Std. Error	Beta			Tolerance	VIF
1	(Constant)	-,372	,081		-4,572	,000		
	LBPDD	,032	,041	,083	,774	,442	,866	1,154
	FRDD	,001	,001	,122	1,139	,259	,861	1,162
	UDD	,000	,002	-,008	-,072	,943	,787	1,270
	INV	,016	,003	,616	5,499	,000	,784	1,275

a. Dependent Variable: ROA

4. Uji Hipotesis

4.1 Uji Simultan (F)

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	,109	4	,027	9,657	,000 ^a
	Residual	,177	63	,003		
	Total	,286	67			

a. Predictors: (Constant), INV, LBPDD, FRDD, UDD

b. Dependent Variable: ROA

4.2 Uji Parsial (T)

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
	B	Std. Error	Beta			Tolerance	VIF
1 (Constant)	-,372	,081		-4,572	,000		
LBPDD	,032	,041	,083	,774	,442	,866	1,154
FRDD	,001	,001	,122	1,139	,259	,861	1,162
UDD	,000	,002	-,008	-,072	,943	,787	1,270
INV	,016	,003	,616	5,499	,000	,784	1,275

a. Dependent Variable: ROA

4.3 Uji Koefisien Determinan

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	,617 ^a	,380	,341	,05304	1,744

a. Predictors: (Constant), INV, LBPDD, FRDD, UDD

b. Dependent Variable: ROA

