

LAMPIRAN 1**PERUSAHAAN YANG AKTIF DI PERDAGANGAN YANG MEMEILIKI
DATA DI BEI 2012-2015****PERUSAHAAN SUB SEKTOR PROPRETY & REAL ESTATE**

NO	NAMA PERUSAHAAN	2012	2013	2014	2015	2016
1	PT Agung Podomoro Land Tbk	×	×	×	×	×
2	PT Armidian Karya TBK	√	√	√	√	√
3	PT Alam Sutra Reality Tbk	√	√	√	√	√
4	PT Bekasi Asri Pemula Tbk	√	√	√	√	√
5	PT Bumi Citra Permai Tbk	√	√	√	√	√
6	PT Bekasi Fajar Industrial Estate Tbk	√	√	√	√	√
7	PT Bina Karya Jaya Abadi Tbk	×	×	×	√	√
8	PT Bhuawanatala Indah Permai Tbk	√	√	√	√	√
9	PT Bukit Darmo Property Tbk	√	√	√	√	√
10	PT Sentul City Tbk	√	√	√	√	√
11	PT Bumi Serpong Damai Tbk	√	√	√	√	√
12	PT Cowell Development Tbk	√	√	√	√	√
13	PT Ciputra Development Tbk	√	√	√	√	√
14	PT Duta Anggada Realty Tbk	√	√	√	√	√
15	PT Intiland Development Tbk	√	√	√	√	√
16	PT Puradelta Lestari Tbk	×	×	√	√	√
17	PT Duta Pertiwi Tbk	√	√	√	√	√
18	PT Bakrieland Development Tbk	√	√	√	√	√
19	PT Mega Politan Development Tbk	√	√	√	√	√
20	PT Forza Land Indonesia Tbk	×	×	×	×	×
21	PT Fortune Mate Indonesia Tbk	√	√	√	√	√
22	PT Gading Development Tbk	√	√	√	√	√
23	PT Goa Makasar Tourism Development Tbk	√	√	√	√	√
24	PT Perdana Gapura Prima Tbk	√	√	√	√	√
25	PT Greenwood Sejahtera Tbk	√	√	√	√	√
26	PT Jaya Real Property Tbk	√	√	√	√	√
27	PT Kawasan Industri Jababeka Tbk	√	√	√	√	√
28	PT Lamicitra Nusantara Tbk	√	√	√	√	√
29	PT Eureka Prima Jakarta Tbk	√	√	√	√	√
30	PT Lippo Cikarang Tbk	√	√	√	√	√
31	PT Lippo Karawaci Tbk	√	√	√	√	√
32	PT Modernland Raelty Tbk	√	√	√	√	√
33	PT Metropolitan Kentjana Tbk	√	√	√	√	√
34	PT Mega Manunggal Proprety Tbk	×	×	×	√	√
35	PT Metropolitan Land Tbk	√	√	√	√	√
36	PT Metro Realty Tbk	√	√	√	√	√
37	PT Nirvana Development Tbk	√	√	√	√	√

38	PT Indonesia Prima Property Tbk	√	√	√	√	√
39	PT Pp Property Tbk	×	×	√	√	√
40	PT Plaza Indonesia Realty Tbk	√	√	√	√	√
41	PT Pudjiati Prestige Tbk	√	√	√	√	√
42	PT Pakuwon Jati Tbk	√	√	√	√	√
43	PT Rista Bintang Mahkota Tbk	√	√	√	√	√
44	PT Roda Vivatex Tbk	√	√	√	√	√
45	PT Pikko Land Development Tbk	√	√	√	√	√
46	PT Dadanayasa Arthatama Tbk	√	√	√	√	√
47	PT Suryamas Dutamakmur Tbk	√	√	√	√	√
48	PT Summarecon Agung Tbk	√	√	√	√	√
49	PT Sitara Propertindo Tbk	×	√	√	√	√

× = tidak memiliki data laporan keuangan

√ = memiliki data laporan keuangan

LAMPIRAN 2

Perusahaan Yang Menerbitkan Deviden Tahun 2012 - 2016					
NAMA PERUSAHAAN	2012	2013	2014	2015	2016
PT Agung Podomoro Land Tbk	X	x	x	x	X
PT Armidian Karya TBK	-	-	-	-	-
PT Alam Sutra Reality Tbk	√	√	√	√	√
PT Bekasi Asri Pemula Tbk	-	-	-	-	-
PT Bumi Citra Permai Tbk	-	-	-	-	-
PT Bekasi Fajar Industrial Estate Tbk	-	-	-	-	-
PT Bina Karya Jaya Abadi Tbk	x	x	x	x	X
PT Bhuawanatala Indah Permai Tbk	-	-	-	-	-
PT Bukit Darmo Property Tbk	-	-	-	-	-
PT Sentul City Tbk	-	-	-	√	-
PT Bumi Serpong Damai Tbk	√	√	√	√	√
PT Cowell Development Tbk	√	-	-	-	-
PT Ciputra Development Tbk	√	√	√	√	√
PT Duta Anggada Realty Tbk	x	√	√	-	-
PT Intiland Development Tbk	√	√	√	√	√
PT Puradelta Lestari Tbk	x	x	x	x	X
PT Duta Pertiwi Tbk	-	-	-	-	-
PT Bakrieland Development Tbk	-	-	-	-	-
PT Mega Politan Development Tbk	-	-	-	√	√
PT Forza Land Indonesia Tbk	x	x	x	x	X
PT Fortune Mate Indonesia Tbk	-	-	-	-	-
PT Gading Development Tbk	-	-	-	-	-
PT Goa Makasar Tourism Development Tbk	√	√	√	√	√
PT Perdana Gapura Prima Tbk	√	√	√	√	√
PT Greenwood Sejahtera Tbk	-	-	-	-	-
PT Jaya Real Property Tbk	√	√	√	√	√
PT Kawasan Industri Jababeka Tbk	-	√	√	-	-
PT Lamicitra Nusantara Tbk	x	x	x	x	X
PT Eureka Prima Jakarta Tbk	-	-	-	-	-
PT Lippo Cikarang Tbk	-	-	-	-	-
PT Lippo Karawaci Tbk	√	√	√	√	√
PT Modernland Realty Tbk	-	-	√	√	-
PT Metropolitan Kentjana Tbk	√	√	√	√	√
PT Mega Manunggal Proprety Tbk	x	x	x	x	X
PT Metropolitan Land Tbk	√	√	√	√	√
PT Metro Realty Tbk	-	√	-	-	-
PT Nirvana Development Tbk	-	-	-	-	-
PT Indonesia Prima Property Tbk	-	-	-	-	-
PT Pp Property Tbk	x	x	x	x	X
PT Plaza Indonesia Realty Tbk	√	√	√	√	√
PT Pudjiati Prestige Tbk	√	√	√	√	√
PT Pakuwon Jati Tbk	√	√	√	√	V
PT Rista Bintang Mahkota Tbk	-	-	-	-	-
PT Roda Vivatex Tbk	-	-	-	-	-
PT Pikko Land Development Tbk	-	-	-	-	-

PT Dadanayasa Arthatama Tbk	-	-	-	-	-
PT Suryamas Dutamakmur Tbk	-	-	-	-	-
PT Summarecon Agung Tbk	√	√	√	√	√
PT Sitara Propertindo Tbk	-	-	-	-	-

Lampiran 3

Hasil Perhitungan Tahun 2016

No	Kode Perusahaan	Nama Perusahaan	Bid Ask	Volume pedagang	resiko	DPR	Market Valeu
1	ASRY	PT Alam Sutra Reality Tbk	0,170	1.22	0,1041	137,545	7,592,860,243,721
2	BSDE	PT Bumi Serpong Damai Tbk	0,138	2.08	0,0961	0,075	34,283,177,592,000
3	CTRA	PT Ciputra Development Tbk	0,173	1.30	0,0782	122,645	19,826,808,093,903
4	DILD	PT Intiland Development Tbk	0,124	2.32	0,0798	0,092	5,157,012,457,038
5	GMTD	PT Goa Makasar Tourism Development Tbk	0,094	2.36	0,0711	0.240	626,574,075,000
6	GPRA	PT Perdana Gapura Prima Tbk	0,205	1.00	0,0833	65,000	783,697,090,322
7	JRPT	PT Jaya Real Property Tbk	0,155	1.82	0,0605	0.330	10,146,354,166,667
8	LPKR	PT Lippo Karawaci Tbk	0,129	2.77	0,0856	0167	20,837,230,585,155
9	MKPI	PT Metropolitan Kentjana Tbk	0,043	1.00	0,0620	0.180	18,677,446,395,833
10	MTLA	PT Metropolitan Land Tbk	0,170	2.61	0,1325	49,265	2,037,539,458,168
11	PLIN	PT Plaza Indonesia Realty Tbk	0,114	1.41	0,0993	150,875	13,636,437,500,000
12	PUDP	PT Pudjiati Prestige Tbk	0,105	1.70	0,0365	0,120	117,103,653,333
13	PWON	PT Pakuwon Jati Tbk	0,170	2.49	0,0918	216,718	26,174,743,904,400
14	SMRA	PT Summarecon Agung Tbk	0,163	1.73	0,0993	0,200	21,333,603,409,300

Perhitungan Tahun 2015

No	Kode Perusahaan	Nama Perusahaan	Bid Ask	Volume pedagang	resiko	DPR	Market Valeu
1	ASRY	PT Alam Sutra Reality Tbk	0,212s	1.22	0,1446	137,545	9,140,251,429,901
2	BSDE	PT Bumi Serpong Damai Tbk	0,182	2.08	0,0975	0,075	34,371,391,616,213
3	CTRA	PT Ciputra Development Tbk	0,232	1.30	0,1590	122,645	18,631,363,344,569
4	DILD	PT Intiland Development Tbk	0,163	2.32	0,0903	0,092	5,715,904,761,845
5	GMTD	PT Goa Makasar Tourism Development Tbk	0,147	2.36	0,1027	0,240	814,630,912,500
6	GPRA	PT Perdana Gapura Prima Tbk	0,214	1.87	0,0493	65,000	1,030,673,935,976
7	JRPT	PT Jaya Real Property Tbk	0,146	1.82	0,0504	0,330	12,632,812,500,000
8	LPKR	PT Lippo Karawaci Tbk	0,188	2.77	0,1063	0,167	27,068,206,782,285
9	MKPI	PT Metropolitan Kentjana Tbk	0,42	1.00	0,0491	0,180	15,376,546,033,333
10	MTLA	PT Metropolitan Land Tbk	0,154	2.61	0,0831	49,265	2,413,771,718,771
11	PLIN	PT Plaza Indonesia Realty Tbk	0,225	1.41	0,1505	150,875	12,314,062,500,000
12	PUDP	PT Pudjiati Prestige Tbk	0,158	1.70	0,0968	0,120	131,576,830,000
13	PWON	PT Pakuwon Jati Tbk	0,187	2.49	0,1231	216,718	21,398,916,666,400
14	SMRA	PT Summarecon Agung Tbk	0,228	1.73	0,1476	0,200	23,281,218,936,100

Hasil Perhitungan 2014

No	Kode Perusahaan	Nama Perusahaan	Bid Ask	Volume perdagang	resiko	DPR	Market Valeu
1	ASRY	PT Alam Sutra Reality Tbk	0,180	1.22	0,1115	137,545	10,333,953,202,097
2	BSDE	PT Bumi Serpong Damai Tbk	0,141	2.18	0,0600	0,075	30,252,307,058,827
3	CTRA	PT Ciputra Development Tbk	0,209	1.32	0,1376	122,645	16,973,342,395,091
4	DILD	PT Intiland Development Tbk	0,155	2.32	0,1105	0,092	5,483,536,863,865
5	GMTD	PT Goa Makasar Tourism Development Tbk	0,208	2.36	0,1425	0,240	714,150,600,000
6	GPRA	PT Perdana Gapura Prima Tbk	0,261	1.87	0,2646	65,000	1,008,221,495,462
7	JRPT	PT Jaya Real Property Tbk	0,097	1.82	0,0523	0,330	13,326,041,666,667
8	LPKR	PT Lippo Karawaci Tbk	0,170	2.77	0,1034	0,167	24,212,342,691,934
9	MKPI	PT Metropolitan Kentjana Tbk	0,089	1.00	0,1792	0,180	13,531,518,541,667
10	MTLA	PT Metropolitan Land Tbk	0,135	2.61	0,0766	49,265	3,311,537,475,177
11	PLIN	PT Plaza Indonesia Realty Tbk	0,087	1.41	0,2230	150,875	9,590,916,666,667
12	PUDP	PT Pudjiati Prestige Tbk	0,127	1.70	0,0416	0,120	153,355,253,333
13	PWON	PT Pakuwon Jati Tbk	0,191	2.49	0,0993	216,718	20,154,793,604,400
14	SMRA	PT Summarecon Agung Tbk	0,191	1.73	0,0873	0,200	18,478,302,868,467

Hasil Perhitungan 2013

No	Kode Perusahaan	Nama Perusahaan	Bid Ask	Volume pedagang	resiko	DPR	Market Valeu
1	ASRY	PT Alam Sutra Reality Tbk	0,287	1.22	0,1647	14,600	14,303,134,403,473
2	BSDE	PT Bumi Serpong Damai Tbk	0,234	2.29	0,1491	0,200	27,791,062,920,293
3	CTRA	PT Ciputra Development Tbk	0,308	1.32	0,1928	120,027	15,861,257,071,505
4	DILD	PT Intiland Development Tbk	0,278	1.00	0,2088	0,295	4,482,368,113,830
5	GMTD	PT Goa Makasar Tourism Development Tbk	0,396	2.36	1,7511	0,290	582,574,275,000
6	GPRA	PT Perdana Gapura Prima Tbk	0,255	1.00	0,2563	0,500	671,791,275,697
7	JRPT	PT Jaya Real Property Tbk	0,161	1.82	0,1347	0,310	12,323,437,500,000
8	LPKR	PT Lippo Karawaci Tbk	0,247	2.77	0,1639	0,119	28,135,549,927,164
9	MKPI	PT Metropolitan Kentjana Tbk	0,096	1.00	0,1002	0,200	7,257,634,908,333
10	MTLA	PT Metropolitan Land Tbk	0,192	2.61	0,1007	49,265	3,723,347,592,463
11	PLIN	PT Plaza Indonesia Realty Tbk	0,110	1.41	0,0929	150,005	6,719,854,166,667
12	PUDP	PT Pudjiati Prestige Tbk	0,145	1.70	0,0825	0,120	177,466,987,227
13	PWON	PT Pakuwon Jati Tbk	0,242	2.49	0,1583	216,718	16,081,293,901,400
14	SMRA	PT Summarecon Agung Tbk	0,276	1.73	0,1712	0,430	15,370,533,648,233

Hasil Perhitungan 2012

No	Kode Perusahaan	Nama Perusahaan	Bid Ask	Volume pedagang	resiko	DPR	Market Valeu
1	ASRY	PT Alam Sutra Reality Tbk	0,169	1.22	0,1647	14,600	11,887,894,192,240
2	BSDE	PT Bumi Serpong Damai Tbk	0,174	2.29	0,1269	0,210	22,644,029,756,147
3	CTRA	PT Ciputra Development Tbk	0,158	1.32	0,0930	120,027	11,419,113,679,646
4	DILD	PT Intiland Development Tbk	0,224	1.00	0,1561	0,095	3,615,091,647,019
5	GMTD	PT Goa Makasar Tourism Development Tbk	0,000	2.36	0,0000	0,280	72,599,670,000
6	GPRA	PT Perdana Gapura Prima Tbk	0,245	1.00	0,1674	0,380	598,820,844,026
7	JRPT	PT Jaya Real Property Tbk	0,079	1.82	0,1237	0,300	8,227,083,333,333
8	LPKR	PT Lippo Karawaci Tbk	0,129	2.77	0,0806	0,078	21,866,110,914,003
9	MKPI	PT Metropolitan Kentjana Tbk	0,025	1.00	0,1101	0,190	3,559,678,308,333
10	MTLA	PT Metropolitan Land Tbk	0,270	2.61	0,2378	49,265	3,527,547,930,848
11	PLIN	PT Plaza Indonesia Realty Tbk	0,131	1.41	0,1299	150,005	6,132,625,000,000
12	PUDP	PT Pudjiati Prestige Tbk	0,221	1.70	0,2120	0,200	204,579,781,677
13	PWON	PT Pakuwon Jati Tbk	0,148	2.49	0,0795	216,718	51,310,043,057,000
14	SMRA	PT Summarecon Agung Tbk	0,992	1.73	0,0812	0,230	12,647,478,606,133

Rata-rata perhitungan selama 5 tahun

Y	X1	X2	X3	X4	X5
0,204	1.22	0,1379	0,1025	88,367	10,651,618,694,287
0,174	2.18	0,1059	0,1029	0,127	29,868,393,788,696
0,216	1.31	0,1321	0,1090	73635	16,542,376,916,943
0,189	1.79	0,1291	0,0936	0,133	4,890,782,768,719
0,189	2.36	0,4135	0,0903	0,258	562,105,906,500
0,169	1.35	0,1642	0,1187	39,176	818,640,928,297
0,236	1.82	0,0843	0,0645	0,320	11,331,145,833,333
0,173	2.77	0,1080	0,0869	0,139	24,423,888,180,108
0,059	1.00	0,1001	0,0296	0,186	11,680,564,837,500
0,184	2.61	0,1261	0,0919	49,265	3,002,748,835,085
0,133	1.41	0,1391	0,0674	150,527	9,678,779,166,667
0,151	1.70	0,0939	0,0744	0,136	156,816,501,114
0,188	2.49	0,1104	0,0944	216,718	27,023,958,226,720
0,370	1.73	0,1173	0,1029	0,252	18,222,227,493,647

LAMPIRAN 4

1. ANALISIS DESKRIPTIF

		Statistics				
		V.Perdagangan	Resiko	DPR	Market Value	bid-ask spread
N	Valid	70	70	70	70	70
	Missing	0	0	0	0	0
Mean		.51453	51.46480	3.50	352445729.70	-.07283
Std. Deviation		.238205	23.821408	1.137	540521168.665	.483398
Minimum		.072	7.237	3	8771	-1.916
Maximum		.817	81.723	6	1983287646	.482

2. UJI NORMALITAS

		One-Sample Kolmogorov-Smirnov Test				
		VOLUME PERDAGANGAN	RESIKO	DPR	MARKET VALEU	BID ASK
N		70	70	70	70	70
Normal Parameters ^a	Mean	17.7821	4.4287	1.2996429	3.1759	4940.29
	Std. Deviation ^b	4.90664	1.43517	.63416441	1.42977	339.228
Most Extreme Differences	Absolute Positive	.128	.065	.153	.117	.095
Extreme Differences	Negative	-.067	-.050	-.090	-.068	-.095
Kolmogorov-Smirnov Z		1.069	.542	1.278	.978	.797
Asymp. Sig. (2-tailed)		.203	.931	.076	.294	.549

a. Test distribution is Normal.

b. Calculated from data.

3. MULTIKOLINEARITAS

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
	B	Std. Error	Beta			Tolerance	VIF
(Constant)	11960.534	7764.227		1.540	.128		
VOLUME PERDAGANGAN	-.973	.065	-.992	-14.949	.000	.731	1.369
RESIKO	2777.536	640.921	.294	4.334	.000	.698	1.433
DPR	.594	.067	.562	8.865	.000	.802	1.247
MARKET VALEU	-.572	.629	-.059	-.909	.367	.774	1.293

a. Dependent Variable: BID ASK

4. HETEROSKEDASITAS

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
(Constant)	12.277	4.559		1.215	.233
Volume Perdagangan	.489	2.518	.198	4.137	.415
Risiko Saham	.415	.812	-.197	2.764	.226
<i>Devidend Payout Ratio</i>	-.166	.762	.675	1.140	.105
<i>Market Value</i>	.998	.980	.550	.553	.096

a. Dependent Variable: bid-ask spread

5. Autokorelasi

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.891 ^a	.794	.328	2,305	1,775

a. Predictors: (Constant), Volume perdagangan, Resiko saham, Deviden payout ratio, Market Value

b. Dependent Variable: Bid ask spread

6. ANALISIS REGRESI

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.891 ^a	.794	.778	1559.702

a. Predictors: (Constant), MARKET VALEU, DPR, RESIKO, VOLUME PERDAGANGAN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	600027916.872	5	120005583.374	49.331	.000 ^b
	Residual	155690873.965	64	2432669.906		
	Total	755718790.837	69			

a. Dependent Variable: BID ASK

b. Predictors: (Constant), MARKET VALEU, DPR, RESIKO, VOLUME PERDAGANGAN

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	T	Sig.
	B	Std. Error	Beta		
1 (Constant)	11960.534	7764.227		1.540	.128
VOLUME PERDAGANGAN	-.973	.065	-.992	-14.949	.000
RESIKO	2777.536	640.921	.294	4.334	.000
DPR	.594	.067	.562	8.865	.000
MARKET VALEU	-.572	.629	-.059	-.909	.367

a. Dependent Variable: BID ASK