

LAMPIRAN

1. Daftar Sampel Perusahaan

No.	Kode Emiten	Perusahaan
1	AMFG	Asahimas Flat Glass Tbk
2	ASII	Astra International Tbk
3	AUTO	Astra Auto Part Tbk
4	BATA	Sepatu Bata Tbk
5	CPIN	Charoen Pokphand Indonesia Tbk
6	DLTA	Delta Djakarta Tbk
7	HMSP	Hanjaya Mandala Sampoerna Tbk
8	ICBP	Indofood CBP Sukses Makmur Tbk
9	INAI	Indal Aluminium Industry Tbk
10	INDF	Indofood Sukses Makmur Tbk
11	INTP	Indocement Tunggul Prakasa Tbk
12	KAEF	Kimia Farma Tbk
13	KLBF	Kalbe Farma Tbk
14	LION	Lion Metal Works Tbk
15	LMSH	Lionmesh Prima Tbk
16	MLBI	Multi Bintang Indonesia Tbk
17	ROTI	Nippon Indosari Corporindo Tbk
18	SCCO	Supreme Cable Manufacturing and Commerce Tbk
19	SMGR	Semen Gresik Tbk
20	SMSM	Selamat Sempurna Tbk
21	TCID	Mandom Indonesia Tbk
22	TOTO	Surya Toto Indonesia Tbk
23	TRST	Trias Sentosa Tbk
24	TSPC	Tempo Scan Pasific Tbk
25	UNVR	Unilever Indonesia Tbk
26	WIIM	Wismilak Inti Makmur Tbk

2. Return Saham

No.	Kode Emiten	Harga Saham				
		2012	2013	2014	2015	2016
1	AMFG	8300	7000	8050	6550	6700
2	ASII	7600	6800	7425	6000	8275
3	AUTO	3700	3650	4200	1600	2050
4	BATA	60000	1060	1105	900	790
5	CPIN	2750	3375	3995	3545	3590
6	DLTA	255000	380000	390000	5200	5000
7	HMSP	59900	62400	68650	94000	3830
8	ICBP	7800	10200	13100	13475	8575
9	INAI	450	600	350	405	645
10	INDF	5850	6600	6750	5175	7925
11	INTP	22450	20000	25000	22325	15400
12	KAEF	740	590	1465	870	2750
13	KLBF	1060	1250	1830	1320	1515
14	LION	10400	12000	9300	1050	1050
15	LMSH	10500	8000	6450	575	590
16	MLBI	71900	120000	424600	8200	11750
17	ROTI	6900	1020	1385	1265	1600
18	SCCO	4050	4400	3950	3725	7275
19	SMGR	15850	14150	16200	11400	9175
20	SMSM	1150	3450	4750	1190	1100
21	TCID	11000	11900	17525	16500	12500
22	TOTO	6650	7700	3975	6950	498
23	TRST	325	250	380	310	300
24	TSPC	3675	3250	2865	1750	1970
25	UNVR	20850	26000	32300	37000	38800
26	WIIM	670	670	625	430	440

No.	Kode Emiten	Return Saham			
		2013	2014	2015	2016
1	AMFG	-0.1566	0.1500	-0.1863	0.0229
2	ASII	-0.1053	0.0919	-0.1919	0.3792
3	AUTO	-0.0135	0.1507	-0.6190	0.2813
4	BATA	-0.9823	0.0425	-0.1855	-0.1222
5	CPIN	0.2273	0.1837	-0.1126	0.0127
6	DLTA	0.4902	0.0263	-0.9867	-0.0385
7	HMSP	0.0417	0.1002	0.3693	-0.9593
8	ICBP	0.3077	0.2843	0.0286	-0.3636
9	INAI	0.3333	-0.4167	0.1571	0.5926
10	INDF	0.1282	0.0227	-0.2333	0.5314
11	INTP	-0.1091	0.2500	-0.1070	-0.3102
12	KAEF	-0.2027	1.4831	-0.4061	2.1609
13	KLBF	0.1792	0.4640	-0.2787	0.1477
14	LION	0.1538	-0.2250	-0.8871	0.0000
15	LMSH	-0.2381	-0.1938	-0.9109	0.0261
16	MLBI	0.6690	-0.6462	-0.9807	0.4329
17	ROTI	-0.8522	0.3578	-0.0866	0.2648
18	SCCO	0.0864	-0.1023	-0.0570	0.9530
19	SMGR	-0.1073	0.1449	-0.2963	-0.1952
20	SMSM	2.0000	0.3768	-0.7495	-0.0756
21	TCID	0.0818	0.4727	-0.0585	-0.2424
22	TOTO	0.1579	-0.4838	0.7484	-0.9283
23	TRST	-0.2308	0.5200	-0.1842	-0.0323
24	TSPC	-0.1156	-0.1185	-0.3892	0.1257
25	UNVR	0.2470	0.2423	0.1455	0.0486
26	WIIM	0.0000	-0.0672	-0.3120	0.0233

3. Kebijakan Dividen

No	Kode Emiten	DPS				EPS			
		2013	2014	2015	2016	2013	2014	2015	2016
1	AMFG	80	80	80	80	780	1057	786	600
2	ASII	152	152	113	113	480	474	357	374
3	AUTO	87	84	48	27	222	181	66	87
4	BATA	27	13	6	18	34	54	100	32
5	CPIN	46	46	18	29	154	107	112	135
6	DLTA	11500	12000	120	120	16515	17621	238	317
7	HMSP	2269	2430	975	89	2468	2323	2326	110
8	ICBP	186	190	222	256	382	447	515	309
9	INAI	50	8	35	45	32	70	90	112
10	INDF	185	142	220	168	285	442	338	433
11	INTP	450	900	1350	415	1361	1361	1183	1051
12	KAEF	6	10	8	9	39	42	45	48
13	KLBF	19	17	19	19	41	44	43	49
14	LION	400	400	40	40	1245	942	88	81
15	LMSH	150	200	10	5	1498	771	20	65
16	MLBI	14566	257	138	344	44882	377	236	466
17	ROTI	37	3	6	11	31	37	53	55
18	SCCO	250	150	200	225	509	665	773	1656
19	SMGR	368	407	375	375	905	938	762	762
20	SMSM	25	55	100	72	214	271	297	79
21	TCID	370	370	390	410	796	867	2708	806
22	TOTO	200	120	70	11	478	297	282	16
23	TRST	10	5	5	5	12	11	9	12
24	TSPC	75	75	64	50	141	129	116	119
25	UNVR	663	672	416	799	701	752	766	838
26	WIIM	4	19	14	0	63	53	62	51

No.	Kode Emiten	DPR			
		2013	2014	2015	2016
1	AMFG	0.1026	0.0757	0.1018	0.1333
2	ASII	0.3167	0.3207	0.3165	0.3021
3	AUTO	0.3919	0.4613	0.7273	0.3103
4	BATA	0.7890	0.2474	0.0564	0.5608
5	CPIN	0.2987	0.4299	0.1607	0.2148
6	DLTA	0.6963	0.6810	0.5038	0.3785
7	HMSP	0.9194	1.0461	0.4192	0.8091
8	ICBP	0.4869	0.4251	0.4311	0.8285
9	INAI	1.5778	0.1149	0.3875	0.4010
10	INDF	0.6491	0.3213	0.6509	0.3880
11	INTP	0.3306	0.6613	1.1412	0.3947
12	KAEF	0.1434	0.2287	0.1884	0.1861
13	KLBF	0.4634	0.3864	0.4443	0.3873
14	LION	0.3213	0.4246	0.4547	0.4938
15	LMSH	0.1001	0.2594	0.5000	0.0769
16	MLBI	0.3245	0.6817	0.5847	0.7382
17	ROTI	1.1797	0.0837	0.1035	0.1918
18	SCCO	0.4912	0.2256	0.2587	0.1359
19	SMGR	0.4063	0.4343	0.4926	0.4926
20	SMSM	0.1168	0.2030	0.3367	0.9111
21	TCID	0.4648	0.4268	0.1440	0.5087
22	TOTO	0.4184	0.4040	0.2482	0.6979
23	TRST	0.8333	0.4545	0.5556	0.4167
24	TSPC	0.5319	0.5814	0.5517	0.4202
25	UNVR	0.9458	0.8935	0.5431	0.9534
26	WIIM	0.0572	0.3539	0.2166	0.4945

4. Volume Perdagangan Saham

No.	Kode Emiten	Volume Perdagangan Saham			
		2013	2014	2015	2016
1	AMFG	116300	2831600	22000	35300
2	ASII	641026100	709829400	913772000	404148800
3	AUTO	16154500	3049100	5013200	3389500
4	BATA	362500	482100	63200	27700
5	CPIN	175553700	158935300	182520300	75703400
6	DLTA	6100	12600	287600	2365200
7	HMSP	3988515	2632474	443827500	207779100
8	ICBP	125033000	132807200	105591600	61030900
9	INAI	187200	335000	126200	182000
10	INDF	183607900	352335600	234372900	118746700
11	INTP	57819100	98962500	70540900	19491300
12	KAEF	132040100	43924100	148164000	134533900
13	KLBF	1071930500	756966900	1014409500	555722300
14	LION	15900	9500	16600	11700
15	LMSH	14000	8600	15700	125100
16	MLBI	2050000	1017900	537100	1105500
17	ROTI	69928000	122737200	8795300	28400100
18	SCCO	137100	51500	57600	239100
19	SMGR	155335600	255551200	148763100	92625300
20	SMSM	39638400	15961600	7554000	19337300
21	TCID	992500	9800	6500	160800
22	TOTO	3820042	6146942	69251000	21180500
23	TRST	298500	1077700	2884200	3231300
24	TSPC	11414500	37325700	2323200	3337700
25	UNVR	34667500	29805700	33759500	46943300
26	WIIM	21377200	10639700	641500	8947000

5. Leverage (DER)

No.	Kode Emiten	Total Hutang			
		2013	2014	2015	2016
1	AMFG	778666000000	733749000000	880052000000	1905626000000
2	ASII	107806000000000	115705000000000	118902000000000	121949000000000
3	AUTO	3058924000000	4244369000000	4195684000000	4075716000000
4	BATA	283831895000	345775482000	248070766000	247587638000
5	CPIN	5771297000000	9919150000000	12123488000000	10047751000000
6	DLTA	190482809000	227473881000	188700435000	185422642000
7	HMSP	13249559000000	14882516000000	5994664000000	8333263000000
8	ICBP	8001739000000	9870264000000	10173713000000	10401125000000
9	INAI	639563606250	751439553825	1090438393880	1081015810782
10	INDF	39719660000000	44710509000000	48709933000000	38233092000000
11	INTP	3629554000000	3629554000000	3772410000000	4011877000000
12	KAEF	847584859909	1157040676384	1374127253841	2341155131870
13	KLBF	2815103309451	2607556689283	2758131396170	2762162069572
14	LION	82783559318	156123759272	184730654202	215209902816
15	LMSH	31229504329	23964388443	21341373897	45511700128
16	MLBI	794615000000	1677254000000	1334373000000	1454398000000
17	ROTI	1035351397437	1182711921472	1517788685162	1476889086692
18	SCCO	1054421170969	841614670129	850791824810	1229514818362
19	SMGR	8988908217000	9312214091000	10712320531	13652504525
20	SMSM	694304234869	602558000000	779860000000	674685000000
21	TCID	282961770795	569730901368	367225370670	401942530776
22	TOTO	710527268893	796096371054	947997940099	1057566418720
23	TRST	1551242364818	1499792311890	1400438809900	1358241040272
24	TSPC	1545006061565	1460391494410	1947588124083	1950534206746
25	UNVR	9093518000000	9681888000000	10902585000000	12041437000000
26	WIIM	447651956356	478482577195	398991064485	362540740471

No.	Kode Emiten	Total Modal			
		2013	2014	2015	2016
1	AMFG	2760727000000	3184642000000	3390223000000	3599264000000
2	ASII	107806000000000	115705000000000	118902000000000	121949000000000
3	AUTO	3058924000000	4244369000000	4195684000000	4075716000000
4	BATA	283831895000	345775482000	248070766000	247587638000
5	CPIN	5771297000000	9919150000000	12123488000000	10047751000000
6	DLTA	190482809000	227473881000	188700435000	185422642000
7	HMSP	13249559000000	14882516000000	5994664000000	8333263000000
8	ICBP	8001739000000	9870264000000	10173713000000	10401125000000
9	INAI	639563606250	751439553825	1090438393880	1081015810782
10	INDF	39719660000000	44710509000000	48709933000000	38233092000000
11	INTP	3629554000000	3629554000000	3772410000000	4011877000000
12	KAEF	847584859909	1157040676384	1374127253841	2341155131870
13	KLBF	2815103309451	2607556689283	2758131396170	2762162069572
14	LION	82783559318	156123759272	184730654202	215209902816
15	LMSH	31229504329	23964388443	21341373897	45511700128
16	MLBI	794615000000	1677254000000	1334373000000	1454398000000
17	ROTI	1035351397437	1182711921472	1517788685162	1476889086692
18	SCCO	1054421170969	841614670129	850791824810	1229514818362
19	SMGR	8988908217000	9312214091000	10712320531	13652504525
20	SMSM	694304234869	602558000000	779860000000	674685000000
21	TCID	282961770795	569730901368	367225370670	401942530776
22	TOTO	710527268893	796096371054	947997940099	1057566418720
23	TRST	1551242364818	1499792311890	1400438809900	1358241040272
24	TSPC	1545006061565	1460391494410	1947588124083	1950534206746
25	UNVR	9093518000000	9681888000000	10902585000000	12041437000000
26	WIIM	447651956356	478482577195	398991064485	362540740471

No.	Kode Emiten	DER			
		2013	2014	2015	2016
1	AMFG	0.2821	0.2304	0.2596	0.5294
2	ASII	1.0152	0.9616	0.9397	0.8716
3	AUTO	0.3200	0.4187	0.4136	0.3868
4	BATA	0.7152	0.8058	0.4534	0.4444
5	CPIN	0.5800	0.9064	0.9651	0.7097
6	DLTA	0.2815	0.2976	0.2221	0.1832
7	HMSP	0.9360	1.1026	0.1872	0.2438
8	ICBP	0.6032	0.6563	0.6208	0.5622
9	INAI	5.0631	5.1524	4.5469	4.1897
10	INDF	1.0351	1.0845	1.1296	0.8701
11	INTP	0.1580	0.1580	0.1581	0.1535
12	KAEF	0.5218	0.6388	0.7379	1.0307
13	KLBF	0.3312	0.2656	0.2522	0.2216
14	LION	0.1991	0.3516	0.4064	0.4573
15	LMSH	0.2827	0.2067	0.1898	0.3879
16	MLBI	0.8046	3.0286	1.7409	1.7723
17	ROTI	1.3150	1.2318	1.2770	1.0237
18	SCCO	1.4901	1.0334	0.9224	1.0075
19	SMGR	0.4123	0.3725	0.3904	0.4465
20	SMSM	0.6896	0.5254	0.5415	0.4270
21	TCID	0.2392	0.4439	0.2141	0.2254
22	TOTO	0.6861	0.6466	0.6356	0.6940
23	TRST	0.9073	0.8514	0.7156	0.7029
24	TSPC	0.4000	0.3534	0.4490	0.4208
25	UNVR	2.1373	2.1053	2.2585	2.5597
26	WIIM	0.5729	0.5600	0.4228	0.3658

6. Profitabilitas (ROA)

No.	Kode Emiten	Laba Bersih			
		2013	2014	2015	2016
1	AMFG	338358000000	458635000000	341346000000	260444000000
2	ASII	22297000000000	22125000000000	15613000000000	18302000000000
3	AUTO	1058015000000	956409000000	322701000000	483421000000
4	BATA	44373679000	70781440000	129519446000	42231663000
5	CPIN	2528690000000	1746644000000	1832598000000	2251813000000
6	DLTA	270498062000	288073432000	192045199000	254509268000
7	HMSP	10818486000000	10181083000000	10363308000000	12762229000000
8	ICBP	2235040000000	2531681000000	2923148000000	3631301000000
9	INAI	5019540731	22058700759	28615673167	35552975244
10	INDF	3414886000000	4401080000000	3709501000000	5266906000000
11	INTP	5012294000000	5012294000000	4356661000000	3870319000000
12	KAEF	215642329977	236531070864	252972506074	246893143247
13	KLBF	1970452449686	2121090581630	2057694281873	2350884933551
14	LION	64761350816	49001630102	46018637487	42345417055
15	LMSH	14382889194	7403115436	1944443395	6252814811
16	MLBI	1171229000000	794883000000	496909000000	982129000000
17	ROTI	158015270921	188577521074	270538700440	279777368831
18	SCCO	104962314423	137618900727	159119646125	340593630534
19	SMGR	5354298521000	5573577279000	4525441038	4535036823
20	SMSM	350777803941	421467000000	461307000000	502192000000
21	TCID	160148465833	174314394101	544474278014	162059596347
22	TOTO	236557513162	293803908949	285236780659	168564583718
23	TRST	32965552359	30084477143	25314103403	33794866940
24	TSPC	638535108795	584293062124	529218651807	545493536262
25	UNVR	5352625000000	5738523000000	5851805000000	6390672000000
26	WIIM	132322207861	112747505175	131081111587	106290306868

No.	Kode Emiten	Total Aset			
		2013	2014	2015	2016
1	AMFG	3539393000000	3918391000000	4270275000000	5504890000000
2	ASII	213994000000000	236029000000000	245435000000000	261855000000000
3	AUTO	12617678000000	14380926000000	14339110000000	14612274000000
4	BATA	680685060000	774891087000	795257974000	804742917000
5	CPIN	15722197000000	20862439000000	24684915000000	24204994000000
6	DLTA	867040802000	991947134000	1038321916000	1197796650000
7	HMSP	27404594000000	28380630000000	38010724000000	42508277000000
8	ICBP	21267470000000	24910211000000	26560624000000	28901948000000
9	INAI	765881409376	897281657710	1330259296537	1339032413455
10	INDF	78092789000000	85938885000000	91831526000000	82174515000000
11	INTP	26607241000000	26607241000000	27638360000000	30150580000000
12	KAEF	2471939548890	2968184626297	3236224076311	4612562541064
13	KLBF	11315061275026	12425032367729	13696417381439	15226009210657
14	LION	498567897161	600102716315	639330150373	685812995987
15	LMSH	141697598705	139915598255	133782751041	162828169250
16	MLBI	1782148000000	2231051000000	2100853000000	2275038000000
17	ROTI	1822689047108	2142834276216	2706323637034	2919640858718
18	SCCO	1762032300123	1656007190010	1773144328632	2449935491586
19	SMGR	30792884092000	34314666027000	38153118932	44226895982
20	SMSM	1701103245176	1749395000000	2220108000000	2254740000000
21	TCID	1465952460752	1853235343636	2082096848703	2185101038101
22	TOTO	1746177682568	2027288693678	2439540859205	2581440938262
23	TRST	3260919505192	3261285495052	3357359499954	3290596224286
24	TSPC	5407957915805	5592730492960	6284729099203	6585807349438
25	UNVR	13348188000000	14280670000000	15729945000000	16745695000000
26	WIIM	1229011260881	1332907675785	1342700045391	1353634132275

No.	Kode Emiten	ROA			
		2013	2014	2015	2016
1	AMFG	0.0956	0.1170	0.0799	0.0473
2	ASII	0.1042	0.0937	0.0636	0.0699
3	AUTO	0.0839	0.0665	0.0225	0.0331
4	BATA	0.0652	0.0913	0.1629	0.0525
5	CPIN	0.1608	0.0837	0.0742	0.0930
6	DLTA	0.3120	0.2904	0.1850	0.2125
7	HMSP	0.3948	0.3587	0.2726	0.3002
8	ICBP	0.1051	0.1016	0.1101	0.1256
9	INAI	0.0066	0.0246	0.0215	0.0266
10	INDF	0.0437	0.0512	0.0404	0.0641
11	INTP	0.1884	0.1884	0.1576	0.1284
12	KAEF	0.0872	0.0797	0.0782	0.0535
13	KLBF	0.1741	0.1707	0.1502	0.1544
14	LION	0.1299	0.0817	0.0720	0.0617
15	LMSH	0.1015	0.0529	0.0145	0.0384
16	MLBI	0.6572	0.3563	0.2365	0.4317
17	ROTI	0.0867	0.0880	0.1000	0.0958
18	SCCO	0.0596	0.0831	0.0897	0.1390
19	SMGR	0.1739	0.1624	0.1186	0.1025
20	SMSM	0.2062	0.2409	0.2078	0.2227
21	TCID	0.1092	0.0941	0.2615	0.0742
22	TOTO	0.1355	0.1449	0.1169	0.0653
23	TRST	0.0101	0.0092	0.0075	0.0103
24	TSPC	0.1181	0.1045	0.0842	0.0828
25	UNVR	0.4010	0.4018	0.3720	0.3816
26	WIIM	0.1077	0.0846	0.0976	0.0785

Uji Deskriptif

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
Return Saham	104	-.9867	2.1609	.010247	.5061164
DPR	104	.0564	1.5778	.447391	.2732509
Volume	104	6100	1071930500	102818064.16	214029398.438
DER	104	.1535	5.1524	.849092	.9446456
ROA	104	.0066	.6572	.135415	.1121042
Valid N (listwise)	104				

Sumber : hasil olah data spss 20

Uji Normalitas

One-Sample Kolmogorov-Smirnov Test		
		Unstandardized Residual
N		104
Normal Parameters ^{a,b}	Mean	0E-7
	Std. Deviation	.47159812
	Absolute	.117
Most Extreme Differences	Positive	.117
	Negative	-.052
Kolmogorov-Smirnov Z		1.195
Asymp. Sig. (2-tailed)		.115

a. Test distribution is Normal.

b. Calculated from data.

Sumber : hasil olah data spss 20

Uji Multikolinearitas

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
	B	Std. Error	Beta			Tolerance	VIF
1 (Constant)	-.822	.254		-3.233	.002		
DPR	-.524	.164	-.313	-3.197	.002	.912	1.096
Volume	.067	.032	.201	2.116	.037	.974	1.027
DER	.070	.051	.131	1.377	.172	.973	1.028
ROA	.688	.436	.152	1.576	.118	.939	1.065

a. Dependent Variable: Return Saham

Sumber : hasil olah data spss 20

Uji Heteroskedasitas

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
(Constant)	.205	.178		1.155	.251
1 DPR	-.151	.114	-.137	-1.322	.189
Volume	.001	.022	.003	.029	.977
DER	.055	.036	.156	1.557	.123
ROA	.054	.305	.018	.179	.859

a. Dependent Variable: Res2

Sumber : hasil olah data spss 20

Uji Autokorelasi

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.363 ^a	.132	.097	.4810310	1.767

a. Predictors: (Constant), ROA, DER, Volume, DPR

b. Dependent Variable: Return Saham

Sumber : hasil olah data spss 20

Uji regresi linear berganda

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1 (Constant)	-.822	.254		-3.233	.002
DPR	-.524	.164	-.313	-3.197	.002
Volume	.067	.032	.201	2.116	.037
DER	.070	.051	.131	1.377	.172
ROA	.688	.436	.152	1.576	.118

a. Dependent Variable: Return Saham

Sumber : hasil olah data spss 20

Uji Determinasi (R²)

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.363 ^a	.132	.097	.4810310

a. Predictors: (Constant), ROA, DER, Volume, DPR

Sumber : hasil olah data spss 20

Uji F

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	3.476	4	.869	3.756	.007 ^b
	Residual	22.908	99	.231		
	Total	26.384	103			

a. Dependent Variable: Return Saham

b. Predictors: (Constant), ROA, DER, Volume, DPR

Sumber : hasil olah data spss 20

Uji t

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1 (Constant)	-.822	.254		-3.233	.002
DPR	-.524	.164	-.313	-3.197	.002
Volume	.067	.032	.201	2.116	.037
DER	.070	.051	.131	1.377	.172
ROA	.688	.436	.152	1.576	.118

a. Dependent Variable: Return Saham

Sumber : hasil olah data spss 20