



1. *Abnormal return 2014*

HARI KE-	Kode Perusahaan					
	ASII	AUTO	BRAM	GDYR	GJTL	IMAS
t-5	-0.02506	0.003032	-0.00465	-0.00089	0.007428	-0.01769
t-4	0.003085	-0.01693	0.00765	-0.00678	0.000813	0.058757
t-3	0.02861	-0.02298	0.00065	-0.00343	-0.00471	0.048168
t-2	0.000813	0.000106	-0.00164	-0.00233	0.004868	-0.0641
t-1	0.011085	-0.00279	0.078747	-0.0024	-0.01448	-0.01639
t0	-0.00751	0.010059	-0.00101	-0.00869	0.004333	-0.00836
t1	-0.00295	0.001503	0.004989	-0.00551	0.011007	-0.00012
t2	-0.01358	0.016463	0.001819	-0.00399	-0.00194	0.036967
t3	-0.02776	0.00656	-0.00622	-0.00014	-0.01459	0.000539
t4	0.006291	-0.00604	0.000882	0.115364	0.014682	0.013632
t5	0.013723	-0.00295	0.002385	-0.10508	0.029013	0.002765

HARI KE-	Kode Perusahaan				
	LPIN	PRAS	SMSM	MASA	AAR
t-5	0.002622	-0.02186	0.023296	0.008809	-0.0025
t-4	-0.01678	0.011996	0.002298	-0.02961	0.00145
t-3	-0.0138	-0.01479	-0.01534	0.040829	0.004321
t-2	0.005997	0.011666	-0.01793	0.01808	-0.00445
t-1	-0.00235	0.001392	-0.02918	-0.00593	0.001771
t0	-0.00313	0.011239	0.003089	-0.009	-0.0009
t1	-0.01258	-0.00194	-0.0062	-0.03668	-0.00485
t2	-0.00758	-0.00031	-0.01254	0.000974	0.001628
t3	-0.05942	-0.00618	0.001699	-0.01059	-0.01161
t4	0.028378	0.040572	0.01843	-0.00952	0.022267
t5	-0.03347	-0.03944	0.005787	-0.01416	-0.01414

2. Trading volume activity 2014

HARI KE-	Kode Perusahaan					
	ASII	AUTO	BRAM	GDYR	GJTL	IMAS
t-5	0.0003273	2.1370506	0	0	0.00033	1.200605
t-4	0.0003658	6.9713405	0	0	0.00132	0.0002742
t-3	0.0006353	3.9877705	0	0	0.002529	8.4620806
t-2	0.0002214	2.4150705	0	0	0.005271	5.7860406
t-1	0.0004696	2.5125905	8.8907	0	0.002311	4.9904606
t0	0.0004819	0.000189679	0	0.0003170	0.000446	7.0878906
t1	0.0003576	6.7846106	2.2207	0	0.002163	8.2812606
t2	0.0003719	2.3237805	0	0.0006097	0.000928	2.1842305
t3	0.0010149	1.6121205	0	0.0013414	0.000984	2.6254105
t4	0.0003701	2.0955506	0	0.0001219	0.001294	5.0266205
t5	0.000398	1.2033906	0	0.0006829	0.001696	4.5709705

HARI KE-	Kode Perusahaan			
	LPIN	PRAS	SMSM	MASA
t-5	0	4.02258E-05	0.000353	1.00186E-05
t-4	0	3.70876E-06	7.61E-05	1.03126E-05
t-3	0.0027294	0.000117539	0.000161	0.000332203
t-2	0	0.001074398	6.67E-06	0.002023141
t-1	0	3.28082E-06	0.000233	0.00038859
t0	0	7.27487E-06	1.83E-05	0.000110967
t1	0	0.000659873	0.000304	0.000132964
t2	0	0.00207776	7.92E-05	0.000125973
t3	0.0072471	0.00018287	0.00144	7.62936E-05
t4	0.0003765	0.001728994	0.001071	0.000312198
t5	0.0014118	0.003132616	0.000212	0.000263031

3. *Abnormal return 2015*

	Kode Perusahaan					
HARI KE-	ASII	AUTO	BRAM	GDYR	GJTL	IMAS
t-5	0.010748	-0.01539	-0.00063	-0.00122	-0.00667	-0.00168
t-4	-0.00696	0.015705	-0.1744	4.57E-05	-0.00342	-0.00169
t-3	0.019421	-0.01754	0.007144	-0.00399	0.002832	-0.00167
t-2	0.005499	0.019708	0.00603	-0.00359	0.005273	-0.00167
t-1	-0.0036	-0.02509	-0.00804	0.001416	0.003698	-0.03678
t1	0.007126	-0.00353	-0.01099	0.002467	0.011865	0.028172
t2	-0.00271	0.075379	-0.07043	0.005372	0.012995	0.032339
t3	-0.03043	-0.01656	0.009075	-0.00468	-0.00187	-0.06264
t4	-0.00929	0.011137	0.000324	-0.00156	-0.00159	-0.03805
t5	0.007329	-0.00086	-0.00699	0.001043	-0.0185	0.076482

	Kode Perusahaan					
HARI KE-	ASII	AUTO	BRAM	GDYR	GJTL	IMAS
t-5	0.001393	4.14E-05	0	0.005902	0.000815	0
t-4	0.001446	1.24E-07	2.22E-07	0.00022	0.000607	0
t-3	0.000622	1.01E-05	0	0	0.000864	0
t-2	0.000832	6.87E-06	0	9.76E-05	0.000519	0
t-1	0.00106	2.51E-05	0	0	0.000478	2.17E-06
t1	0.001033	1.07E-05	0	0	0.002606	0.000491
t2	0.001158	0.000221	4.44E-07	0	0.003655	7.23E-05
t3	0.001259	2.34E-06	0	0	0.001942	3.62E-08
t4	0.000584	2.7E-07	0	0.000122	0.001723	5.35E-06
t5	0.000573	4.25E-05	0	0	0.001161	8.14E-06

	Kode Perusahaan			
HARI KE-	LPIN	PRAS	MASA	SMSM
t-5	-0.00389	-0.00456	-0.00904	-0.00077
t-4	0.023566	0.001013	0.002772	-0.01013
t-3	-0.01166	-0.00015	0.002178	-0.01613
t-2	-0.01055	-0.03145	-0.0007	-0.00688
t-1	0.003504	0.006814	-0.02947	-0.01141
t1	0.006451	0.03397	0.033616	0.002297
t2	0.0146	-0.00266	0.003556	-0.01522
t3	-0.01359	-0.02129	-0.00088	-0.00975
t4	-0.00485	-0.01549	0.002535	0.0028
t5	0.002458	0.03391	0.002919	0.009

	Kode Perusahaan			
HARI KE-	LPIN	PRAS	MASA	SMSM
t-5	0	1.45E-05	3.28E-05	0.000821
t-4	9.41E-05	1.31E-05	3.3E-05	0.002541
t-3	0	0.000252	0.000126	0.000218
t-2	0	1.31E-05	1.28E-05	0.00084
t-1	0	6.99E-06	0.000213	0.000319
t1	0	1.44E-05	0.000113	0.000647
t2	0	1.45E-05	1.2E-07	0.000856
t3	0	3.38E-05	3.6E-05	0.001062
t4	0	7.13E-06	1.05E-05	0.000609
t5	0	1.43E-07	6.26E-05	0.000323

4. Trading volume activity 2015

HARI KE-	Kode Perusahaan					
	ASII	AUTO	BRAM	GDYR	GJTL	IMAS
t-5	0.001393	4.14E-05	0	0.005902	0.000815	0
t-4	0.001446	1.24E-07	2.22E-07	0.00022	0.000607	0
t-3	0.000622	1.01E-05	0	0	0.000864	0
t-2	0.000832	6.87E-06	0	9.76E-05	0.000519	0
t-1	0.00106	2.51E-05	0	0	0.000478	2.17E-06
t1	0.001033	1.07E-05	0	0	0.002606	0.000491
t2	0.001158	0.000221	4.44E-07	0	0.003655	7.23E-05
t3	0.001259	2.34E-06	0	0	0.001942	3.62E-08
t4	0.000584	2.7E-07	0	0.000122	0.001723	5.35E-06
t5	0.000573	4.25E-05	0	0	0.001161	8.14E-06

HARI KE-	Kode Perusahaan			
	LPIN	PRAS	MASA	SMSM
t-5	0	1.45E-05	3.28E-05	0.000821
t-4	9.41E-05	1.31E-05	3.3E-05	0.002541
t-3	0	0.000252	0.000126	0.000218
t-2	0	1.31E-05	1.28E-05	0.00084
t-1	0	6.99E-06	0.000213	0.000319
t1	0	1.44E-05	0.000113	0.000647
t2	0	1.45E-05	1.2E-07	0.000856
t3	0	3.38E-05	3.6E-05	0.001062
t4	0	7.13E-06	1.05E-05	0.000609
t5	0	1.43E-07	6.26E-05	0.000323

5. Abnormal return 2018

Kenaikan pertama

HARI KE-	Kode Perusahaan						
	ASII	AUTO	BOLT	BRAM	CARS	GDYR	GJTL
t-1	-0.00111	0.001166	-0.00345	-0.00114	0.027223	-0.00188	-0.00755
t-2	-0.00382	0.004197	-0.00221	0.005364	-0.00887	-0.0027	-0.00192
t-3	-0.00479	-0.00114	0.001466	-0.00067	-0.03209	-0.00194	0.01372
t-4	0.007156	0.005017	-0.01048	0.001752	-0.00292	-0.00224	0.048186
t-5	0.003458	0.004167	0.016973	-0.00342	-0.01568	-0.00201	0.106682
t1	-0.01242	0.003436	0.007263	-0.00164	0.027669	-0.00182	0.060257
t2	0.002201	0.008943	-0.01691	0.020988	-0.01943	-0.00467	-0.034
t3	0.03015	0.011135	0.005258	-0.0069	-0.03483	-0.00115	0.012597
t4	0.001963	0.007634	0.003135	-0.00341	0.039618	-0.00159	0.034933
t5	-0.02045	0.021376	-0.00179	0.004664	-0.0254	-0.00261	0.01509

HARI KE-	Kode Perusahaan						
	IMAS	INDS	LPIN	MASA	MPMX	PRAS	SMSM
t-1	-0.01254	-0.01366	0.004522	-0.00263	-0.00995	-0.026	-0.00841
t-2	-0.00034	0.001415	0.004474	0.001263	0.003529	-0.00388	0.012922
t-3	0.004745	-0.00316	0.004519	0.00474	-0.03259	-0.01796	0.018781
t-4	-0.00323	0.002949	-0.04763	0.020226	-0.00028	-0.00142	0.015321
t-5	-0.00168	0.010815	0.004514	0.03249	0.006409	-0.00018	-0.00781
t1	-0.00624	0.000776	0.004526	-0.02293	0.001412	0.000882	-0.0008
t2	-0.01953	-0.03014	0.004358	-0.00299	-0.03289	-0.0145	0.001915
t3	0.004102	-0.00754	0.004565	0.007714	0.015805	-0.0048	0.001469
t4	0.007066	0.001629	0.004539	-0.0244	-0.01514	-0.00726	-0.00507
t5	0.000188	-0.00907	0.004479	0.000844	-0.00174	-0.0034	-0.01032

Kenaikan kedua

	Kode Perusahaan						
HARI KE-	ASII	AUTO	BOLT	BRAM	CARS	GDYR	GJTL
t-1	-0.01837	-0.00663	0.002306	-0.00126	0.032856	-0.00625	-0.01847
t-2	0.014822	-0.01711	0.003811	-0.004	0.015886	-0.0062	-0.01404
t-3	-0.01226	0.006461	0.009364	0.006356	-0.07656	-0.00639	-0.00636
t-4	0.020798	0.005011	0.004427	-0.00512	0.024136	-0.00618	0.000658
t-5	0.000697	0.007204	-0.00186	-0.00379	0.068611	-0.0062	-0.01479
t1	-0.00271	0.00204	0.007663	-0.05985	-0.00214	-0.00626	0.066336
t2	0.010468	0.00393	0.001096	0.000948	-0.02961	-0.00629	-0.0222
t3	-0.01123	-0.00374	-0.01171	-0.00609	-0.04149	-0.00616	0.008849
t4	0.020084	0.007805	0.010431	0.046339	-0.0129	-0.1359	0.022143
t5	0.025527	0.004418	0.004566	-0.03198	-0.01008	0.236461	0.014501

	Kode Perusahaan						
HARI KE-	IMAS	INDS	LPIN	MASA	MPMX	PRAS	SMSM
t-1	-0.13204	-0.01732	-0.09044	-0.02661	-0.01539	0.011814	-0.05433
t-2	0.017124	-0.02224	0.259903	0.007421	0.010408	-0.01983	-0.03053
t-3	-0.00408	0.019851	-0.00879	-0.01111	-0.00174	0.017337	0.005438
t-4	-0.01918	-0.02321	0.021755	0.007989	-0.00117	0.009411	-0.0041
t-5	-0.02396	-0.00118	0.075346	0.013892	0.01642	-0.00202	-0.0391
t1	0.019772	-0.02171	-0.00045	-0.02045	0.002438	-0.00727	0.023074
t2	0.006194	0.019716	-0.1474	-0.00175	0.007462	-0.00122	0.006501
t3	0.016857	-0.02541	-0.03372	0.001814	-0.00656	0.038891	0.034941
t4	-0.03058	0.010777	-0.00392	0.043106	-0.00677	-0.0075	0.009293
t5	-1.01147	0.031837	0.152872	-0.03555	-0.01311	-0.00798	0.016552

6. Trading volume activity 2018

	Kode Perusahaan						
HARI KE-	ASII	AUTO	BOLT	BRAM	CARS	GDYR	GJTL
t-5	0.001093	0.000175	0.000108	0	0.000145	0	0.003863
t-4	0.00131	0.000226	9.24E-05	0	0.000329	0	0.00516
t-3	0.001024	0.000183	0.000184	0	4.33E-05	0	0.002695
t-2	0.000996	0.000337	0.000101	0	0.000054	0	0.002097
t-1	0.000944	0.000234	6.54E-05	0	0.001674	2.44E-06	0.002115
t1	0.000559	7E-05	0.000167	2.22E-07	0.000117	0	0.006961
t2	0.000594	9.26E-05	0.000141	0	3.73E-05	0	0.00369
t3	0.000799	8.65E-05	0.000149	0	0.000076	0	0.005177
t4	0.001009	3.98E-05	0.000144	4.44E-07	0.000106	4.63E-05	0.009486
t5	0.000763	7.23E-05	0.000163	1.56E-06	0	4.88E-06	0.004745

	Kode Perusahaan						
HARI KE-	IMAS	INDS	LPIN	MASA	MPMX	PRAS	SMSM
t-5	0.002498	2.19E-05	0.003806	3.66E-05	0.000139	1.43E-06	0.00031
t-4	0.002179	0.000198	5.65E-05	0.000334	3.13E-05	5.32E-05	0.00028
t-3	0.001443	2.47E-05	0	5.01E-07	5.44E-05	2.85E-07	0.000282
t-2	0.001628	0.000128	0	9.67E-05	4.53E-06	0	0.000376
t-1	0.001222	4.4E-05	3.76E-06	0.000152	2.7E-05	7.42E-06	0.000274
t1	0.00053	0.000128	0.000392	1.46E-05	0	8.27E-06	0.000658
t2	0.000977	1.49E-05	6.02E-05	2.2E-05	1.9E-05	0	0.000192
t3	0.002735	5.74E-05	3.76E-06	0.000212	1.21E-05	2.85E-06	0.000447
t4	0.001542	0.000446	0	0.000314	8.3E-05	0	0.000308
t5	0.001746	0.000587	7.53E-06	1.47E-05	4.39E-05	0	

7. Abnormal return 2022

	Kode Perusahaan							
HARI KE-	ASII	AUTO	BOLT	BRAM	CARS	GDYR	GJTL	HOPE
t-1	-0.00613	-0.005	0.001338	0.014544	0.090791	0.007574	-0.00811	0.041946
t-2	0.00857	-0.008	-0.04342	0.092572	-0.07019	-0.01558	-0.00436	0.004284
t-3	0.009426	0.004992	0.033099	-0.0049	-0.07434	0.030439	-0.01066	0.016917
t-4	-0.00345	0.001185	0.035576	-0.02546	0.080863	0.00021	0.001571	0.008176
t-5	-0.00202	-0.01975	-0.02568	-0.02525	0.086487	-0.00039	0.003325	0.003402
t1	-0.01277	-0.00658	-0.00713	0.001003	0.065861	-0.00822	-0.01463	0.00917
t2	0.004262	0.006792	-0.02817	0.002674	0.08441	-0.03019	-0.00142	0.013412
t3	-0.03014	0.003176	-0.0195	0.007501	0.087968	0.039219	0.003868	0.034002
t4	-0.00445	-0.00566	0.022842	0.039319	0.088072	-0.0305	-0.00632	0.022015
t5	0.018348	-0.0023	-0.01015	-0.00563	-0.03273	0.022851	-0.00246	0.00074

	Kode Perusahaan						
HARI KE-	IMAS	INDS	LPIN	MASA	MPMX	PRAS	SMSM
t-1	-0.0178	-0.00455	-0.0134	0.017096	-0.00892	0.001159	0.007421
t-2	0.012637	0.001739	-0.001	-0.01822	0.000872	0.005113	0.023176
t-3	-0.01544	-0.01773	0.013082	0.001175	0.005787	0.000363	0.014885
t-4	-0.00281	0.023339	-0.00377	-0.00031	0.005705	-0.04328	0.023706
t-5	0.007251	-0.00317	-0.00091	0.004685	-0.00889	-0.04192	0.006583
t1	-0.02099	-0.00642	0.016561	0.002358	-0.01387	0.015582	-0.0019
t2	0.028534	0.000413	-0.00467	-0.00275	0.030837	-0.00981	0.014907
t3	0.000497	-0.00197	-0.01238	-0.01103	-0.01379	-0.00278	-0.01892
t4	-0.01361	0.007433	0.03116	0.015555	-0.00403	-0.00056	-0.00175
t5	-0.0083	0.000881	-0.01868	-0.00911	0.01075	0.000669	0.010917

8. Trading volume activity 2022

HARI KE-	Kode Perusahaan							
	ASII	AUTO	BOLT	BRAM	CARS	GDYR	GJTL	HOPE
t-1	0.000734	0.000223	3.29E-06	2.24E-05	0.076417	9.76E-06	0.000575	0.020103
t-2	0.001126	0.000184	2.86E-05	8.58E-05	0.061461	2.44E-06	0.000241	0.004147
t-3	0.001376	0.000285	4.27E-08	2.89E-06	0.010164	3.17E-06	0.00029	0.003244
t-4	0.000906	0.000168	1.37E-06	6.67E-07	0.093245	0	0.000428	0.002465
t-5	0.000644	0.000639	1.71E-07	8.22E-06	0.03679	0	0.000381	0.002695
t1	0.000616	0.00039	7.72E-06	6.44E-06	0.11357	1.22E-06	0.000527	0.006185
t2	0.00046	0.000168	9.34E-06	2.22E-06	0.05732	5.85E-06	0.000748	0.009605
t3	0.001907	0.000267	5.59E-06	7.11E-06	0.074069	1.07E-05	0.000917	0.020993
t4	0.000973	0.000253	1.45E-06	6.67E-06	0.052531	1.22E-06	0.000499	0.00477
t5	0.000788	0.000254	5.12E-07	1.56E-06	0.051329	4.63E-06	0.00068	0.003685

HARI KE-	Kode Perusahaan						
	IMAS	INDS	LPIN	MASA	MPMX	PRAS	SMSM
t-1	0.000329	1.68E-06	0.000208	9.8E-08	0.00335	0.000133	0.000668
t-2	8.78E-05	6.55E-06	0.000283	1.17E-06	0.001876	6.9E-05	0.002264
t-3	0.000216	9.14E-06	0.000197	4.57E-07	0.001649	7.85E-06	0.000368
t-4	0.00016	5.94E-06	0.000294	4.36E-08	0.003728	0.008199	0.000406
t-5	0.000525	9.14E-07	0.000134	2.18E-08	0.002	0.000779	0.000609
t1	0.000451	1.13E-05	0.000108	1.52E-07	0.002641	0.00087	0.000404
t2	0.000662	2.74E-06	0.000284	5.44E-08	0.00514	4.82E-05	0.000458
t3	0.000693	1.98E-06	0.0011	3.21E-06	0.002822	8.22E-05	0.000236
t4	0.000344	3.05E-07	0.000201	3.92E-07	0.002455	0.000314	0.000267
t5	0.000275	4.57E-07	0.000622	4.9E-07	0.001903	0.000145	0.000439



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RIWAYAT PENDIDIKAN

2007 - 2013 : SD Negeri 1 punggaluku

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2016 - 2019 : SMA Negeri 3 Konawe Selatan

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