





**Lampiran 01.**  
**Tabulasi Data Penelitian**

### Tabulasi Data Penelitian

No	Waktu	Keputusan (Y)		Moving Average (X1)	Fibonacci Retacement (X2)	Stochastic Oscillator (X3)
1	2017.01.09 16:00	Beli	1	1.05434	1.05762	1.05295
2	2017.01.11 16:00	Beli	1	1.0554	1.05434	1.05166
3	2017.01.19 20:00	Beli	1	1.06546	1.06597	1.06327
4	2017.01.26 08:00	Jual	0	1.07267	1.07308	1.0752
5	2017.02.02 20:00	Jual	0	1.07622	1.07679	1.07893
6	2017.02.06 08:00	Jual	0	1.07598	1.07466	1.07679
7	2017.02.15 16:00	Beli	1	1.06033	1.05815	1.05392
8	2017.02.17 16:00	Jual	0	1.06265	1.06148	1.06534
9	2017.02.22 20:00	Beli	1	1.0568	1.057	1.05295
10	2017.03.03 12:00	Beli	1	1.05433	1.05566	1.05179
11	2017.03.07 08:00	Jual	0	1.05675	1.05634	1.05959
12	2017.03.09 12:00	Beli	1	1.05634	1.05752	1.05515
13	2017.03.15 20:00	Beli	1	1.06434	1.06655	1.06312
14	2017.03.24 08:00	Beli	1	1.07841	1.0799	1.0771
15	2017.03.28 16:00	Jual	0	1.08294	1.08052	1.08696
16	2017.04.06 08:00	Jual	0	1.06739	1.06547	1.06769
17	2017.04.12 20:00	Beli	1	1.06192	1.0629	1.06011
18	2017.04.17 08:00	Beli	1	1.06281	1.06463	1.0621
19	2017.05.04 08:00	Beli	1	1.09073	1.09293	1.08897
20	2017.05.08 08:00	Jual	0	1.09505	1.09529	1.09888
21	2017.05.12 12:00	Beli	1	1.08881	1.09004	1.08696
22	2017.05.25 12:00	Jual	0	1.11959	1.12045	1.12392
23	2017.05.30 12:00	Beli	1	1.11745	1.11794	1.11416
24	2017.06.13 08:00	Beli	1	1.12123	1.12146	1.11956
25	2017.06.14 20:00	Jual	0	1.12184	1.12438	1.12723
26	2017.06.16 16:00	Beli	1	1.11925	1.11837	1.11674
27	2017.06.21 20:00	Beli	1	1.11595	1.11679	1.11493
28	2017.07.03 08:00	Jual	0	1.13799	1.14099	1.14116
29	2017.07.06 12:00	Beli	1	1.13629	1.13862	1.13529
30	2017.07.20 12:00	Beli	1	1.15209	1.15444	1.1502
31	2017.07.26 20:00	Beli	1	1.16477	1.16712	1.16328
32	2017.08.04 12:00	Jual	0	1.18331	1.18409	1.18799
33	2017.08.14 16:00	Jual	0	1.17854	1.17778	1.18
34	2017.08.23 08:00	Beli	1	1.17708	1.17902	1.17553
35	2017.08.30 12:00	Jual	0	1.19308	1.1918	1.195
36	2017.09.05 12:00	Beli	1	1.19005	1.18907	1.18819
37	2018.11.05 16:00	Jual	0	1.19892	1.19955	1.2015
38	2017.09.13 16:00	Jual	0	1.19601	1.19538	1.19686
39	2017.09.20 20:00	Jual	0	1.19585	1.19632	1.20053
40	2017.09.21 16:00	Beli	1	1.19451	1.19498	1.19136
41	2017.09.22 16:00	Beli	1	1.19482	1.1942	1.1977

No	Waktu	Keputusan (Y)		Moving Average (X1)	Fibonacci Retacement (X2)	Stochastic Oscillator (X3)
42	2017.09.28 16:00	Beli	1	1.18001	1.17744	1.17677
43	2017.10.06 16:00	Beli	1	1.17303	1.17355	1.16943
44	2017.10.13 08:00	Jual	0	1.18204	1.1832	1.18486
45	2017.10.18 16:00	Beli	1	1.17862	1.17801	1.17663
46	2017.10.20 08:00	Jual	0	1.18027	1.17956	1.18215
47	2017.10.24 20:00	Beli	1	1.17727	1.17592	1.17568
48	2017.10.26 12:00	Jual	0	1.17809	1.17728	1.18104
49	2017.11.02 00:00	Beli	1	1.16501	1.16421	1.16181
50	2017.11.08 16:00	Beli	1	1.16023	1.15897	1.158
51	2017.11.22 08:00	Beli	1	1.17559	1.1767	1.17448
52	2017.11.28 12:00	Jual	0	1.18781	1.18879	1.18977
53	2017.11.30 12:00	Beli	1	1.18625	1.18566	1.18318
54	2017.12.01 12:00	Jual	0	1.18892	1.18726	1.19147
55	2017.12.11 20:00	Jual	0	1.17825	1.17691	1.17878
56	2017.12.13 12:00	Beli	1	1.17685	1.17603	1.17368
57	2017.12.14 16:00	Jual	0	1.17831	1.17919	1.18212
58	2017.12.18 08:00	Beli	1	1.17829	1.17783	1.17615
59	2018.01.11 08:00	Beli	1	1.199	1.20085	1.1974
60	2018.01.22 20:00	Beli	1	1.22462	1.22609	1.22446
61	2018.02.02.16:00	Jual	0	1.2447	1.24439	1.24726
62	2018.02.12 20:00	Beli	1	1.22851	1.22888	1.22759
63	2018.02.16 20:00	Jual	0	1.24249	1.24222	1.2436
64	2018.03.01 20:00	Beli	1	1.22452	1.22599	1.21999
65	2018.03.08 16:00	Jual	0	1.23632	1.23611	1.23937
66	2018.03.13 00:00	Beli	1	1.23358	1.23442	1.23326
67	2018.03.14 12:00	Jual	0	1.23548	1.23621	1.23853
68	2018.03.20 12:00	Jual	0	1.23101	1.22993	1.2315
69	2018.03.21 20:00	Beli	1	1.23025	1.23101	1.22602
70	2018.03.28 16:00	Jual	0	1.23762	1.23609	1.23804
71	2018.04.19 16:00	Jual	0	1.23626	1.23488	1.23805
72	2018.05.15 12:00	Jual	0	1.19095	1.19061	1.19248
73	2018.05.22 20:00	Jual	0	1.17793	1.17763	1.17838
74	2018.05.30 16:00	Beli	1	1.16286	1.16325	1.15997
75	2018.06.14 12:00	Jual	0	1.17686	1.17659	1.18157
76	2018.06.29 04:00	Beli	1	1.16111	1.16048	1.15713
77	2018.07.02 20:00	Beli	1	1.16311	1.16437	1.16012
78	2018.07.10 08:00	Jual	0	1.17234	1.17315	1.17523
79	2018.07.13 20:00	Beli	1	1.16838	1.168	1.16666
80	2018.07.19 20:00	Beli	1	1.16584	1.16651	1.16091
81	2018.07.24. 12:00	Beli	1	1.16877	1.17065	1.16814
82	2018.07.30 08:00	Beli	1	1.16717	1.16773	1.16529
83	2018.08.01 16:00	Jual	0	1.16836	1.16744	1.169
84	2018.08.09 08:00	Jual	0	1.15924	1.15759	1.16088

No	Waktu	Keputusan (Y)		Moving Average (X1)	Fibonacci Retacement (X2)	Stochastic Oscillator (X3)
85	2018.08.16 04:00	Beli	1	1.13846	1.13752	1.1346
86	2018.08.30 16:00	Jual	0	1.16685	1.16562	1.16828
87	2018.09.05 16:00	Beli	1	1.161	1.15923	1.15869
88	2018.09.10 12:00	Beli	1	1.15994	1.15942	1.15721
89	2018.09.17 12:00	Beli	1	1.16554	1.16795	1.16502
90	2018.09.19 08:00	Beli	1	1.16829	1.17012	1.16755
91	2018.09.25 04:00	Jual	0	1.17391	1.17346	1.17536
92	2018.10.10 00:00	Beli	1	1.15016	1.14901	1.14824
93	2018.10.17 04:00	Jual	0	1.15663	1.15714	1.15774
94	2018.10.22 12:00	Jual	0	1.1502	1.14971	1.15131
95	2018.11.01 08:00	Beli	1	1.13614	1.13673	1.13398
96	2018.11.05 16:00	Beli	1	1.1388	1.14022	1.1378
97	2018.11.08 16:00	Jual	0	1.14174	1.14379	1.14421
98	2018.11.14 00:00	Beli	1	1.13059	1.12991	1.1287
99	2018.11.20 16:00	Jual	0	1.13891	1.1399	1.14095
100	2018.11.28 16:00	Beli	1	1.13303	1.1312	1.1284
101	2018.11.30 12:00	Jual	0	1.13566	1.13652	1.13771
102	2018.12.03 16:00	Beli	1	1.13529	1.13609	1.1326
103	2018.12.06 12:00	Beli	1	1.13535	1.13637	1.13263
104	2018.12.10 16:00	Jual	0	1.13794	1.14039	1.14122
105	2018.12.12 12:00	Jual	0	1.13605	1.13466	1.13272
106	2018.12.14 08:00	Jual	0	1.13486	1.13569	1.13605
107	2018.12.21 12:00	Jual	0	1.14082	1.14197	1.14271
108	2018.12.27 12:00	Beli	1	1.13954	1.14008	1.13702





**Lampiran 02.**  
**Statistik Deskriptif**

**Descriptive Statistics**

	N	Minimum	Maximum	Mean	Std. Deviation
<i>Moving_Average</i>	108	1.0543	1.2447	1.151723	.0508408
<i>Fibonacci_Retacement</i>	108	1.0543	1.2444	1.151943	.0506839
<i>Stochastic_Oscillator</i>	108	1.0517	1.2473	1.151464	.0512728
Valid N (listwise)	108				





**Lampiran 03.**  
**Hasil Uji Normalitas**



**One-Sample Kolmogorov-Smirnov Test**

		Unstandardized Residual
N		108
Normal Parameters <sup>a, b</sup>	Mean	.0000000
	Std. Deviation	.24420481
Most Extreme Differences	Absolute	.048
	Positive	.048
	Negative	-.047
Kolmogorov-Smirnov Z		.501
Asymp. Sig. (2-tailed)		.964

a. Test distribution is Normal.

b. Calculated from data.





**Lampiran 04.**

**Hasil Uji Multikolinearitas**

Coefficients<sup>a</sup>

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.	Collinearity Statistics	
	B	Std. Error	Beta			Tolerance	VIF
1 (Constant)	.544	.555		.979	.330		
<i>Moving_Average</i>	61.091	20.093	6.222	3.040	.003	.355	2.240
<i>Fibonacci_Retacement</i>	100.462	18.732	10.200	5.363	.000	.277	3.612
<i>Stochastic_Oscillator</i>	-161.599	9.246	-16.597	-17.477	.000	.215	4.659

a. Dependent Variable: Keputusan





**Lampiran 05.**  
**Hasil Uji Heterokedastisitas**

Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-.325	.338		-.961	.339
	<i>Moving_Average</i>	19.224	12.227	6.349	1.572	.119
	<i>Fibonacci_Retacement</i>	-22.092	11.398	-7.274	-1.938	.055
	<i>Stochastic_Oscillator</i>	3.319	5.626	1.105	.590	.557

a. Dependent Variable: abs\_res





**Model Summary<sup>b</sup>**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Durbin-Watson
1	.872 <sup>a</sup>	.761	.754	.248	1.860

a. Predictors: (Constant), *Stochastic\_Oscillator*, *Fibonacci\_Retacement*, *Moving\_Average*

b. Dependent Variable: Keputusan





**Lampiran 07.**

**Hasil Analisis Regresi Linier Berganda**



## Variables Entered/Removed

Model	Variables Entered	Variables Removed	Method
1	Stochastic_Oscillator, Fibonacci_Retacement, Moving_Average <sup>a</sup>		Enter

a. All requested variables entered.

## Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.872 <sup>a</sup>	.761	.754	.248

a. Predictors: (Constant), Stochastic\_Oscillator, Fibonacci\_Retacement, Moving\_Average

ANOVA<sup>b</sup>

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	20.286	3	6.762	110.207	.000 <sup>a</sup>
	Residual	6.381	104	.061		
	Total	26.667	107			

a. Predictors: (Constant), Stochastic\_Oscillator, Fibonacci\_Retacement, Moving\_Average

b. Dependent Variable: Keputusan

Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.544	.555		.979	.330
	Moving_Average	61.091	20.093	6.222	3.040	.003
	Fibonacci_Retacement	100.462	18.732	10.200	5.363	.000
	Stochastic_Oscillator	-161.599	9.246	-16.597	-17.477	.000

a. Dependent Variable: Keputusan



**Lampiran 08.**  
**Tabel Durbin-Watson**

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
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



**Lampiran 09.**

**T Tabel**

T tabel

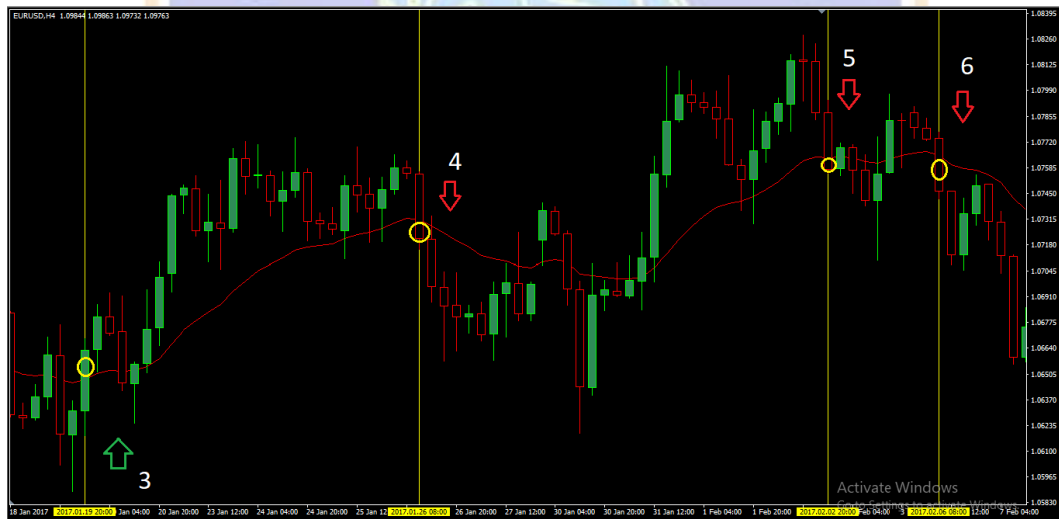
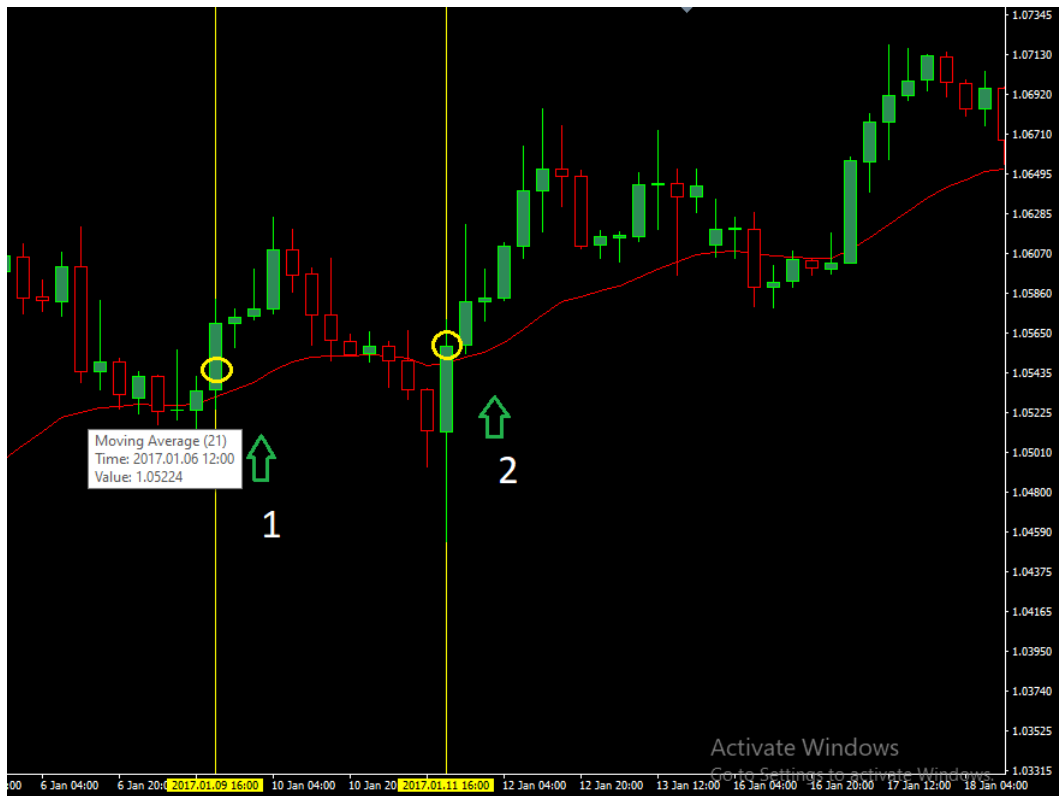
Pr df	0.25	0.10	0.05	0.025	0.01	0.005	0.001
	0.50	0.20	0.10	0.050	0.02	0.010	0.002
81	0.67753	1.29209	1.66388	1.98989	2.37327	2.63790	3.19392
82	0.67749	1.29196	1.66365	1.98932	2.37289	2.63712	3.19262
83	0.67746	1.29183	1.66342	1.98896	2.37212	2.63637	3.19135
84	0.67742	1.29171	1.66320	1.98861	2.37156	2.63563	3.19011
85	0.67739	1.29159	1.66298	1.98827	2.37102	2.63491	3.18890
86	0.67735	1.29147	1.66277	1.98793	2.37049	2.63421	3.18772
87	0.67732	1.29136	1.66256	1.98761	2.36998	2.63353	3.18657
88	0.67729	1.29125	1.66235	1.98729	2.36947	2.63286	3.18544
89	0.67726	1.29114	1.66216	1.98698	2.36898	2.63220	3.18434
90	0.67723	1.29103	1.66196	1.98667	2.36850	2.63157	3.18327
91	0.67720	1.29092	1.66177	1.98638	2.36803	2.63094	3.18222
92	0.67717	1.29082	1.66159	1.98609	2.36757	2.63033	3.18119
93	0.67714	1.29072	1.66140	1.98580	2.36712	2.62973	3.18019
94	0.67711	1.29062	1.66123	1.98552	2.36667	2.62915	3.17921
95	0.67708	1.29053	1.66105	1.98525	2.36624	2.62858	3.17825
96	0.67705	1.29043	1.66088	1.98498	2.36582	2.62802	3.17731
97	0.67703	1.29034	1.66071	1.98472	2.36541	2.62747	3.17639
98	0.67700	1.29025	1.66055	1.98447	2.36500	2.62693	3.17549
99	0.67698	1.29016	1.66039	1.98422	2.36461	2.62641	3.17460
100	0.67695	1.29007	1.66023	1.98397	2.36422	2.62589	3.17374
101	0.67693	1.28999	1.66008	1.98373	2.36384	2.62539	3.17289
102	0.67690	1.28991	1.65993	1.98350	2.36346	2.62489	3.17206
103	0.67688	1.28982	1.65978	1.98328	2.36310	2.62441	3.17125
104	0.67686	1.28974	1.65964	1.98304	2.36274	2.62393	3.17045
105	0.67683	1.28967	1.65950	1.98282	2.36239	2.62347	3.16967
106	0.67681	1.28959	1.65936	1.98260	2.36204	2.62301	3.16890
107	0.67679	1.28951	1.65922	1.98238	2.36170	2.62256	3.16815
108	0.67677	1.28944	1.65909	1.98217	2.36137	2.62212	3.16741
109	0.67675	1.28937	1.65895	1.98197	2.36105	2.62169	3.16669
110	0.67673	1.28930	1.65882	1.98177	2.36073	2.62126	3.16598
111	0.67671	1.28922	1.65870	1.98157	2.36041	2.62085	3.16528
112	0.67669	1.28916	1.65857	1.98137	2.36010	2.62044	3.16460
113	0.67667	1.28909	1.65845	1.98118	2.35980	2.62004	3.16392
114	0.67665	1.28902	1.65833	1.98099	2.35950	2.61964	3.16326
115	0.67663	1.28896	1.65821	1.98081	2.35921	2.61926	3.16262
116	0.67661	1.28889	1.65810	1.98063	2.35892	2.61888	3.16198
117	0.67659	1.28883	1.65798	1.98045	2.35864	2.61850	3.16135
118	0.67657	1.28877	1.65787	1.98027	2.35837	2.61814	3.16074
119	0.67656	1.28871	1.65776	1.98010	2.35809	2.61778	3.16013
120	0.67654	1.28865	1.65765	1.97993	2.35782	2.61742	3.15954

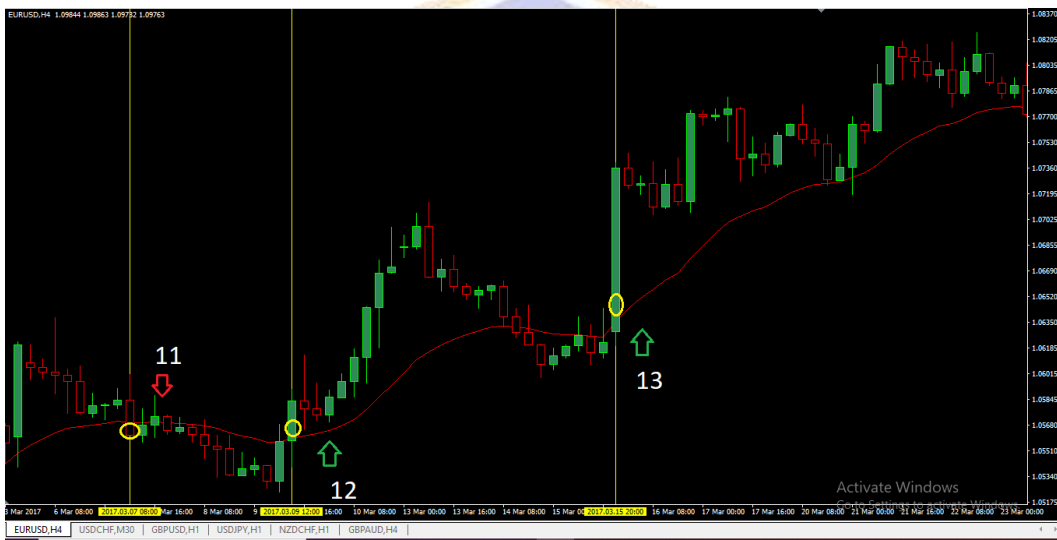
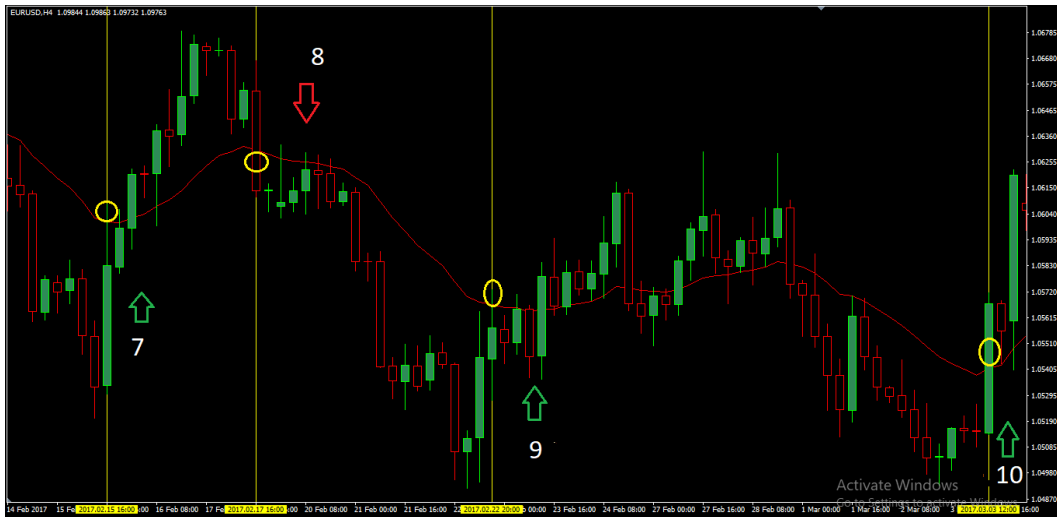


**Lampiran 10.**

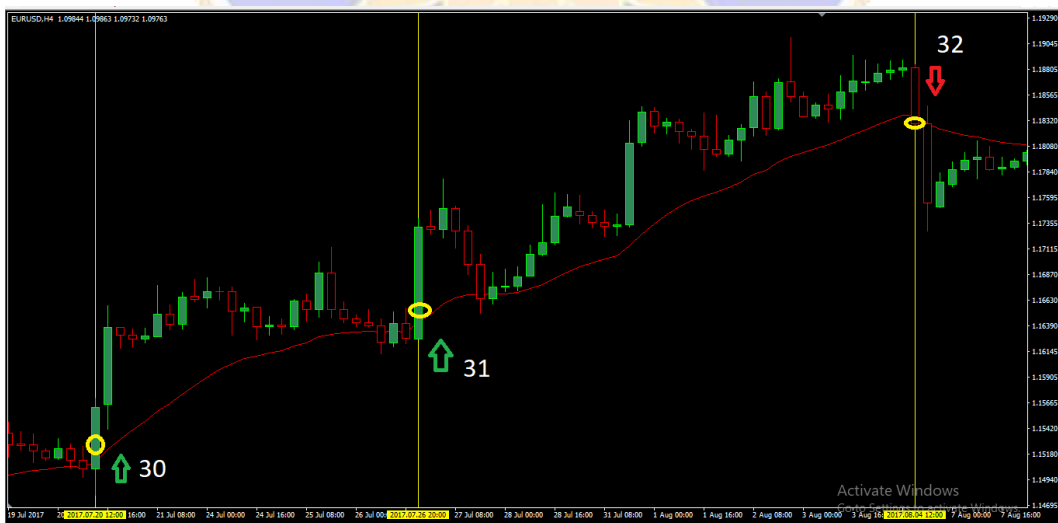
**Gambar Terkait Penelitian**

Gambar *Exponential Moving Average (EMA)*

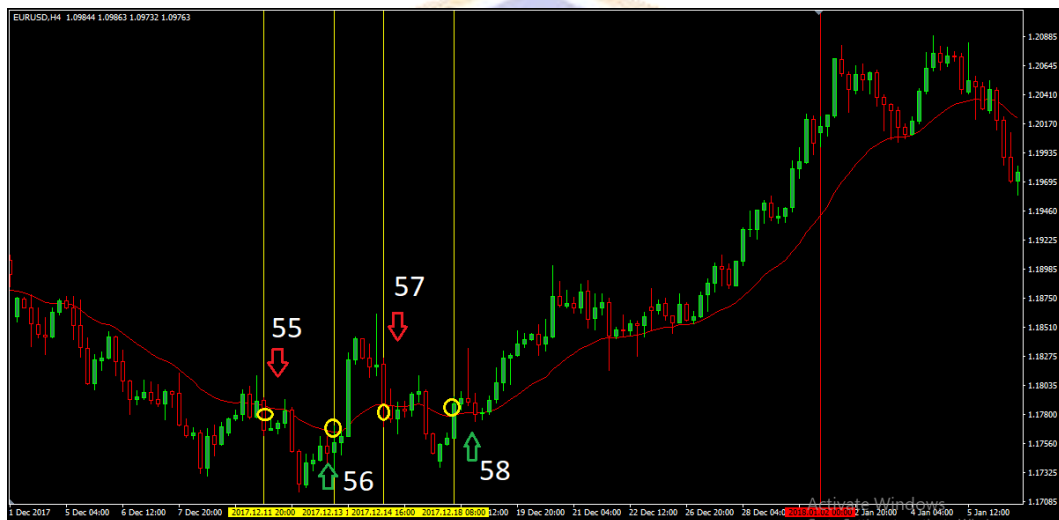
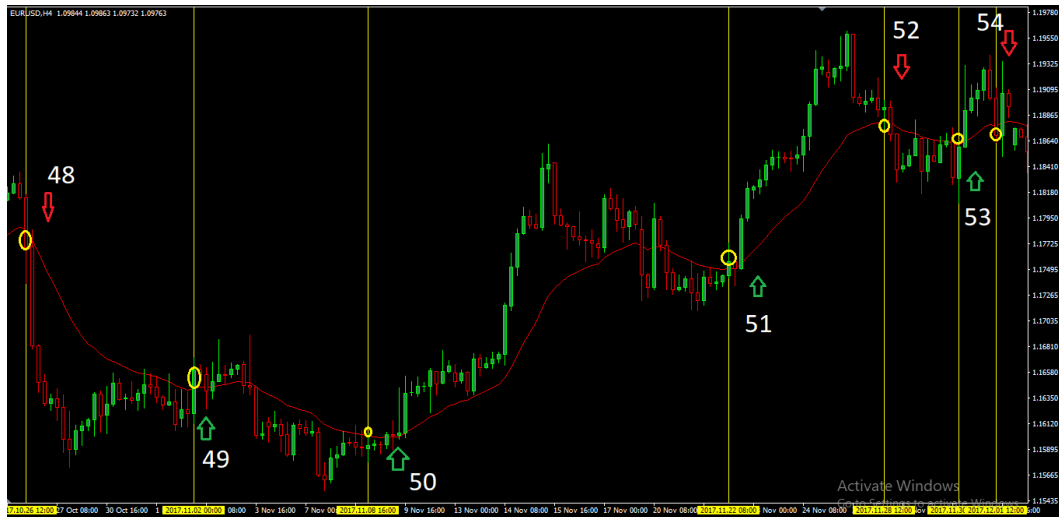




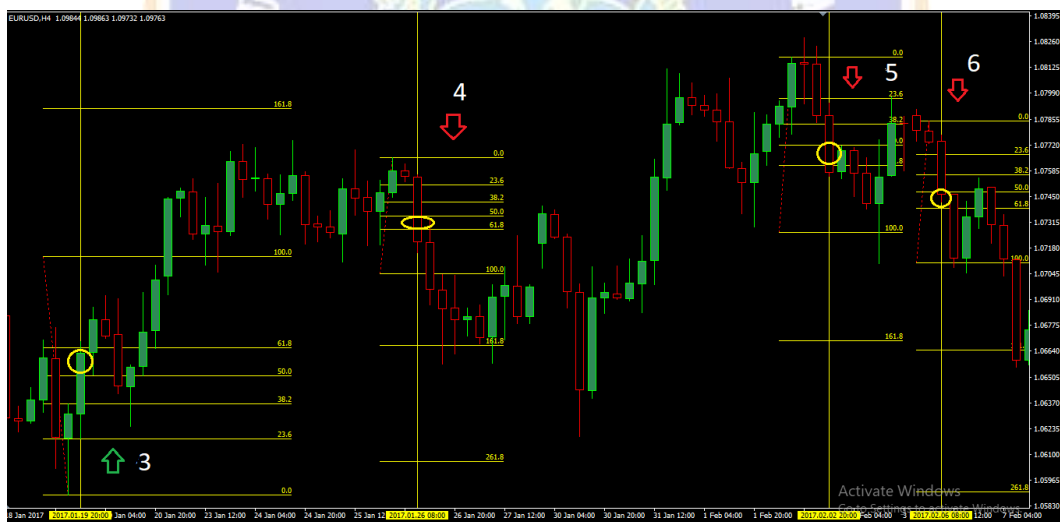
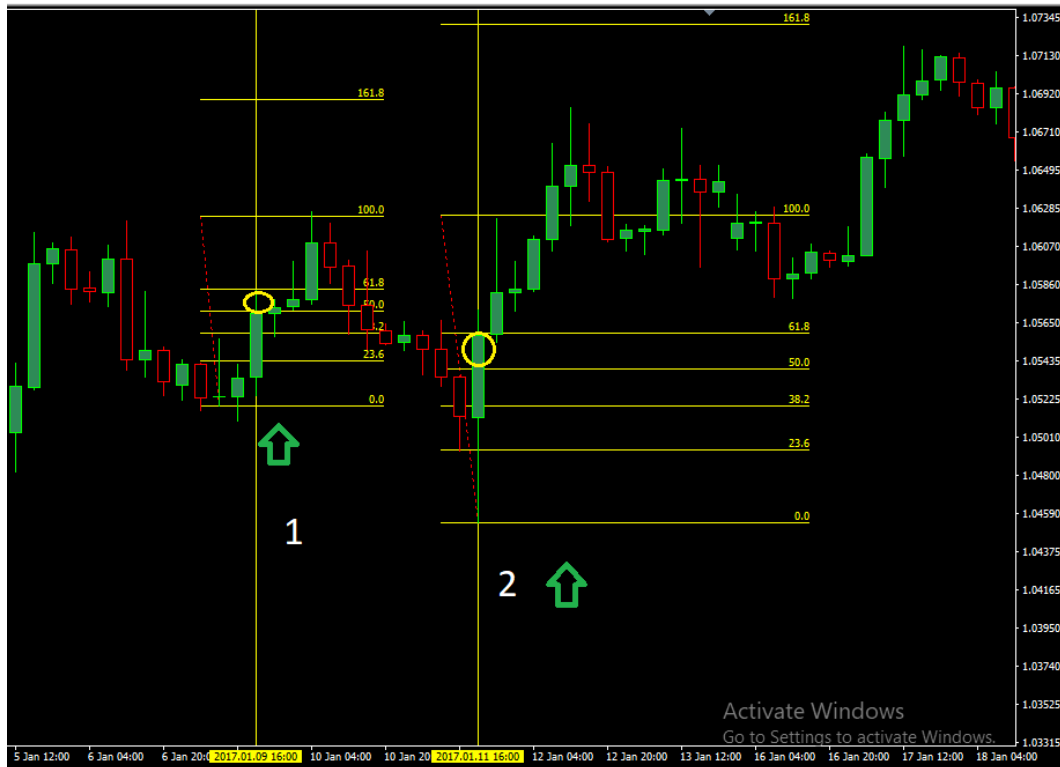


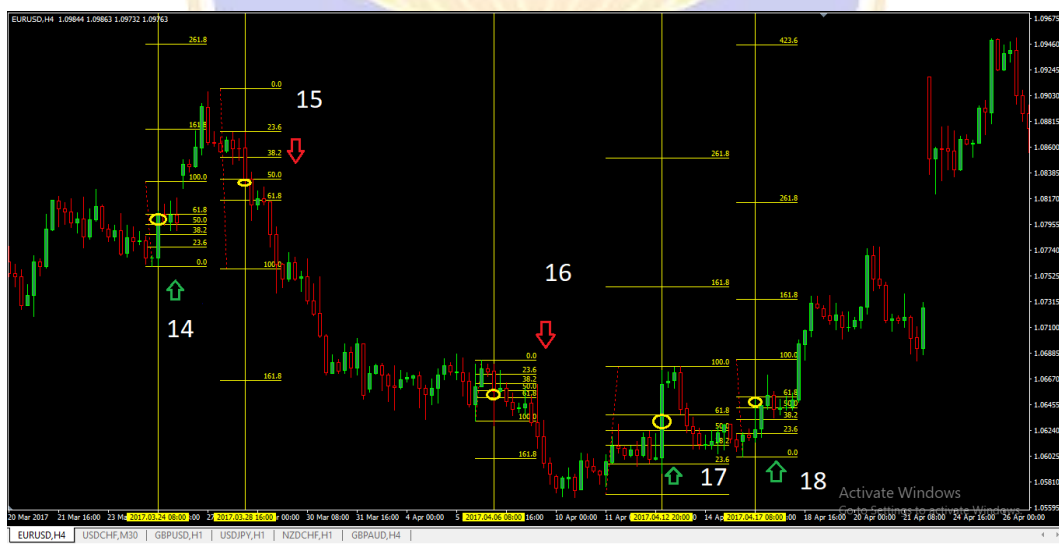
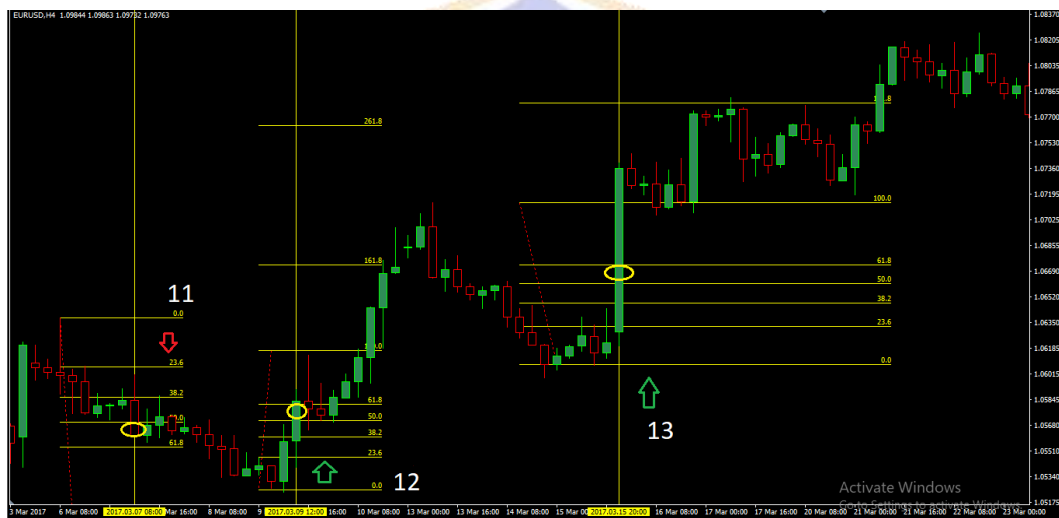
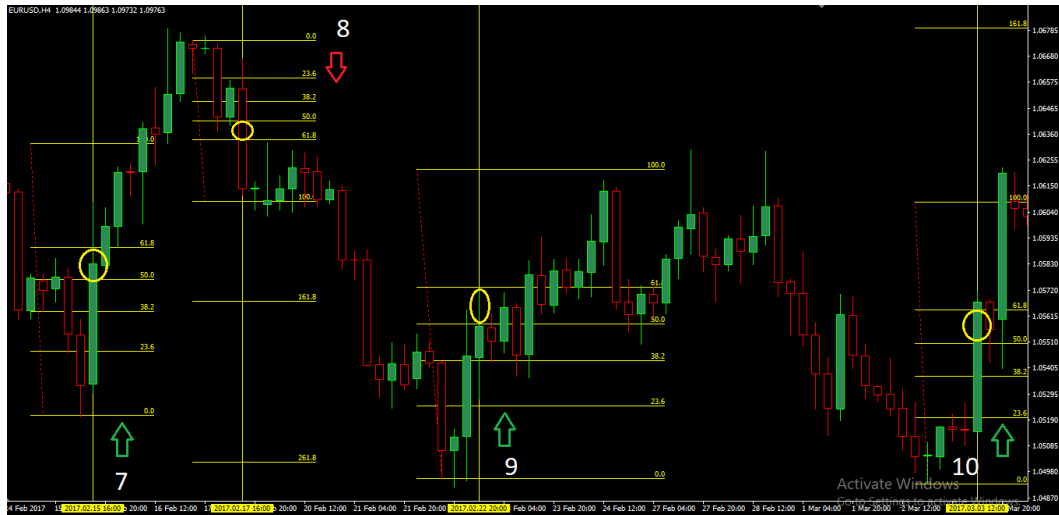


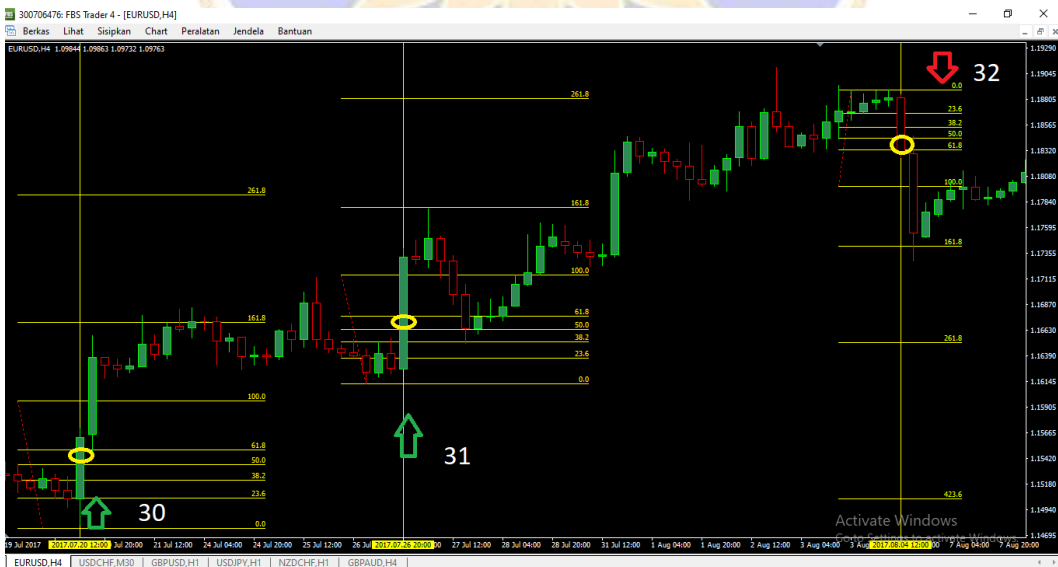
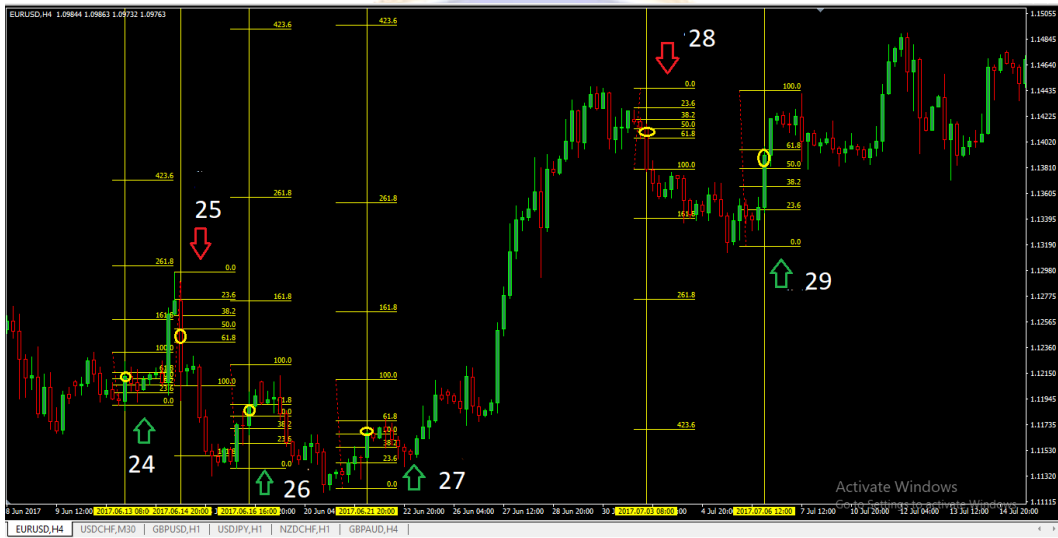
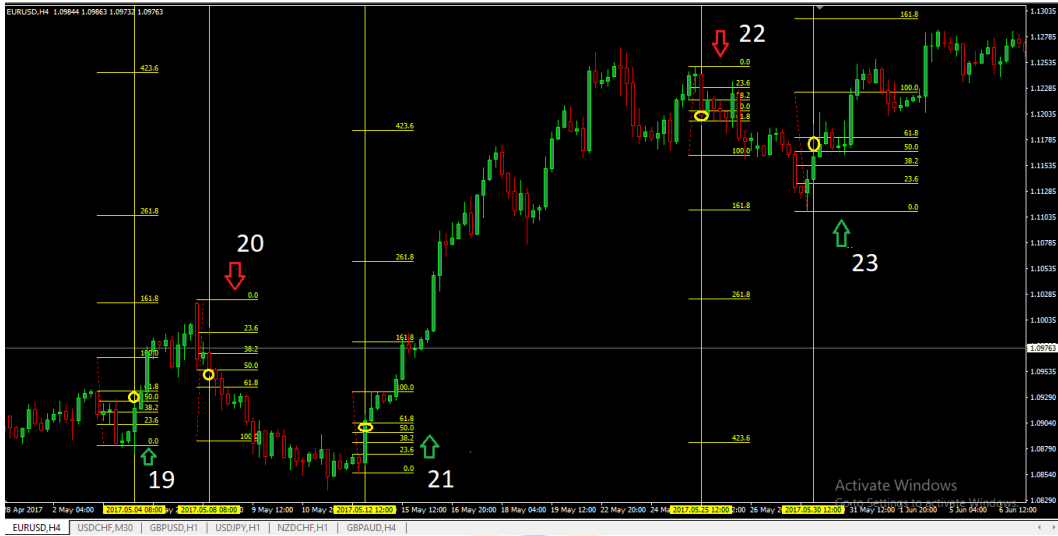


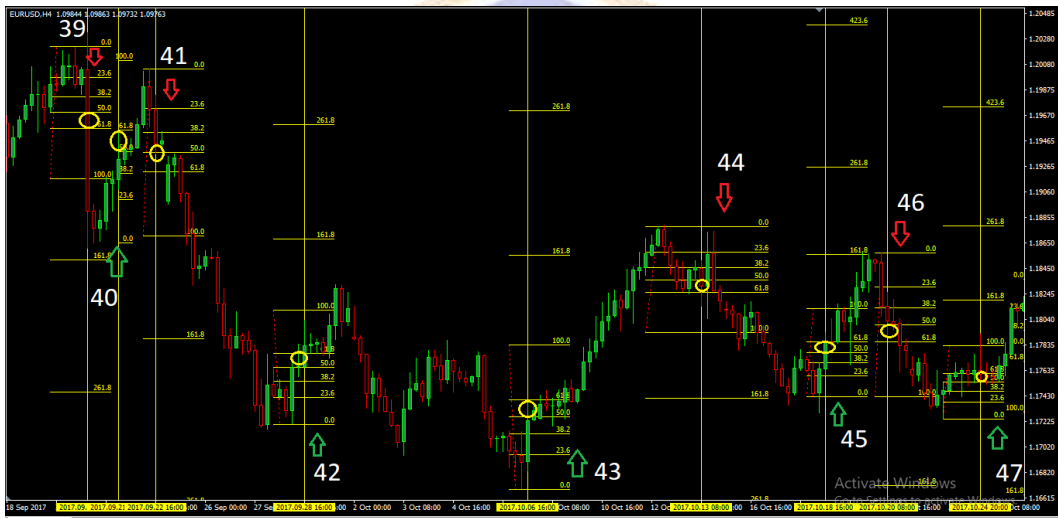
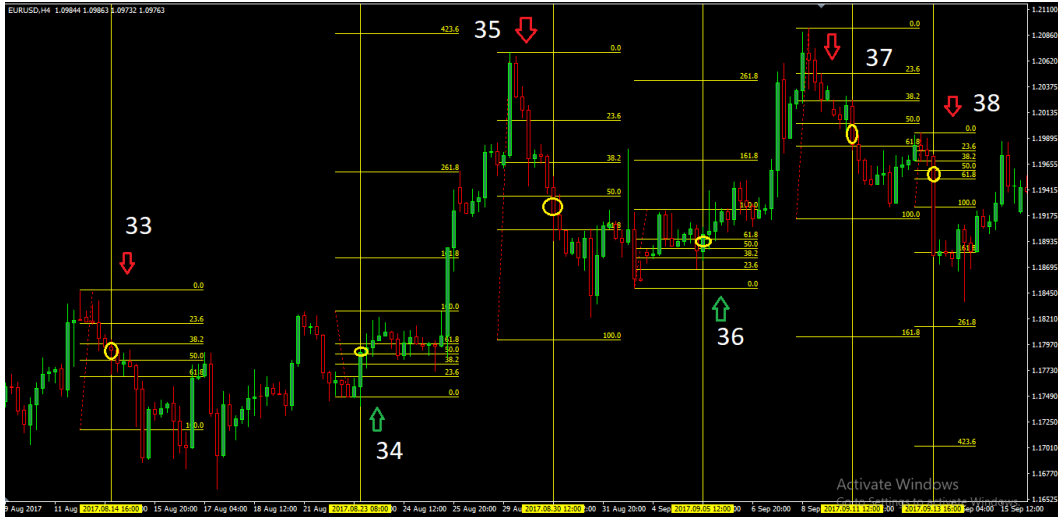


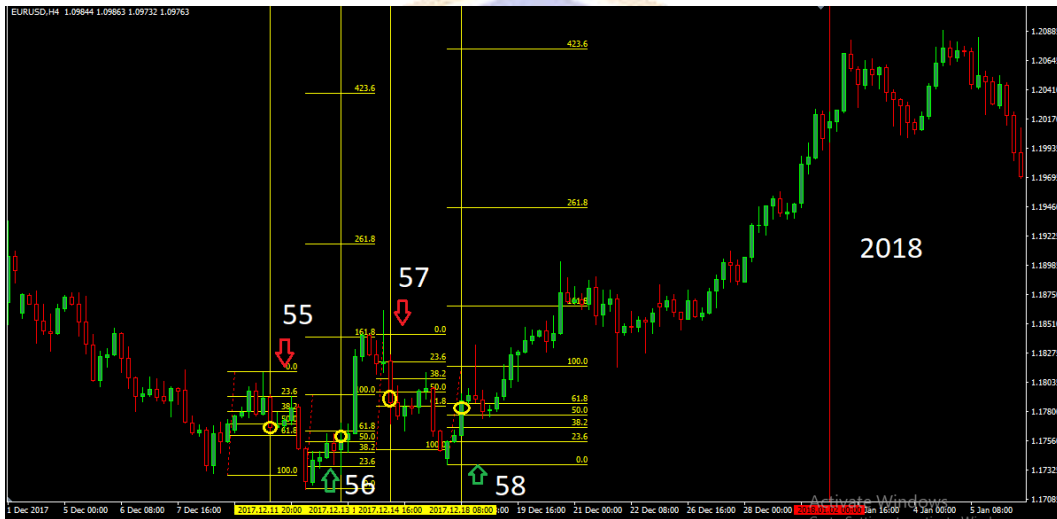
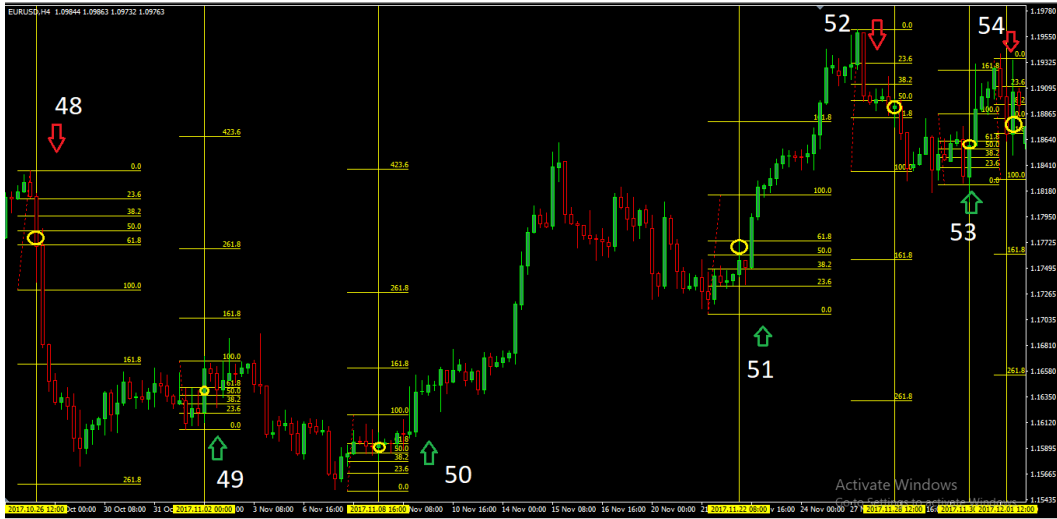
### Gambar Fibonacci













Gambar Stochastic

