

Keterangan Warna :

- Wama hijau (●) adalah Rata-Rata Bulanan Sq (H) dan Sd (H) Harian
- Wama orange (●) adalah jam selama sehari
- Wama kuning (●) adalah baseline (Ho)
- Wama merah (●) , biru muda (●) dan hijau (●) adalah hari-hari terganggu beberapa bulan berbeda
- Wama biru muda (●) adalah variasi harian terganggu (Sd (H)) selama sebulan

1.) Bulan Maret 2015

a) Pengolahan Sq (H) dan Sd (H) Metode Variabilitas Komponen H Bulan Maret 2015 Menggunakan Excel

➢ Data dari H1 sampai Ho5

Tanggal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	90.5238	92.0000	93.4762	94.9524	96.4286	97.9048	99.3810	100.8572	102.3334	103.8096	105.2858	106.7620	108.2382	109.7144	111.1906	112.6668	114.1430	115.6192	117.0954	118.5716	120.0478	121.5240	122.9992	124.4754	125.9516	127.4278	128.9040	130.3802	131.8564	133.3326	134.8088
2	90.5238	92.0000	93.4762	94.9524	96.4286	97.9048	99.3810	100.8572	102.3334	103.8096	105.2858	106.7620	108.2382	109.7144	111.1906	112.6668	114.1430	115.6192	117.0954	118.5716	120.0478	121.5240	122.9992	124.4754	125.9516	127.4278	128.9040	130.3802	131.8564	133.3326	134.8088
3	90.5238	92.0000	93.4762	94.9524	96.4286	97.9048	99.3810	100.8572	102.3334	103.8096	105.2858	106.7620	108.2382	109.7144	111.1906	112.6668	114.1430	115.6192	117.0954	118.5716	120.0478	121.5240	122.9992	124.4754	125.9516	127.4278	128.9040	130.3802	131.8564	133.3326	134.8088
4	90.5238	92.0000	93.4762	94.9524	96.4286	97.9048	99.3810	100.8572	102.3334	103.8096	105.2858	106.7620	108.2382	109.7144	111.1906	112.6668	114.1430	115.6192	117.0954	118.5716	120.0478	121.5240	122.9992	124.4754	125.9516	127.4278	128.9040	130.3802	131.8564	133.3326	134.8088
5	90.5238	92.0000	93.4762	94.9524	96.4286	97.9048	99.3810	100.8572	102.3334	103.8096	105.2858	106.7620	108.2382	109.7144	111.1906	112.6668	114.1430	115.6192	117.0954	118.5716	120.0478	121.5240	122.9992	124.4754	125.9516	127.4278	128.9040	130.3802	131.8564	133.3326	134.8088

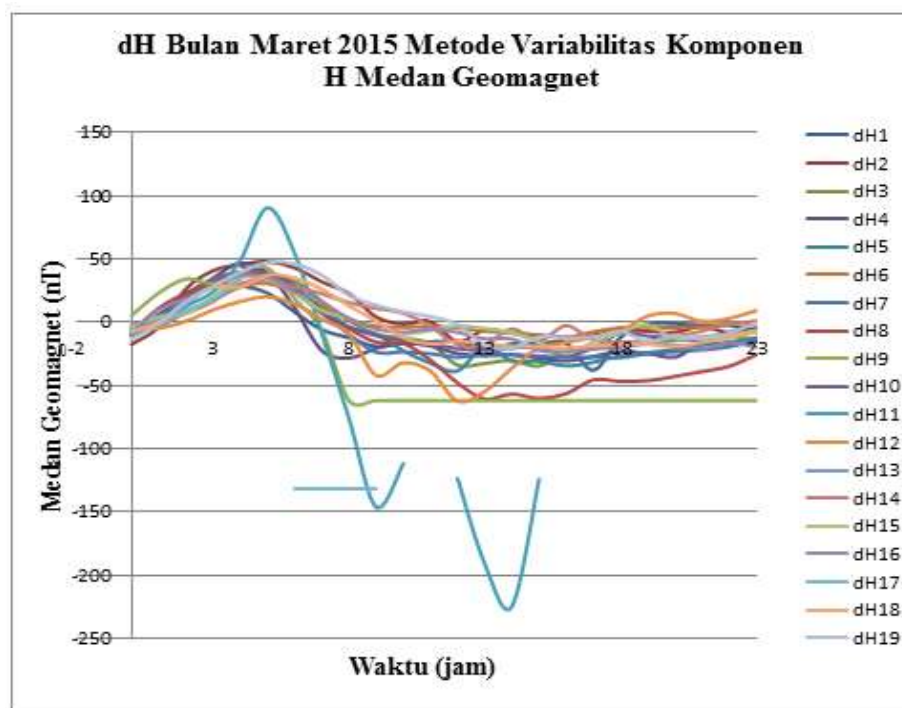
➢ Data Ho6 sampai dH 12

Tanggal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	90.5238	92.0000	93.4762	94.9524	96.4286	97.9048	99.3810	100.8572	102.3334	103.8096	105.2858	106.7620	108.2382	109.7144	111.1906	112.6668	114.1430	115.6192	117.0954	118.5716	120.0478	121.5240	122.9992	124.4754	125.9516	127.4278	128.9040	130.3802	131.8564	133.3326	134.8088
2	90.5238	92.0000	93.4762	94.9524	96.4286	97.9048	99.3810	100.8572	102.3334	103.8096	105.2858	106.7620	108.2382	109.7144	111.1906	112.6668	114.1430	115.6192	117.0954	118.5716	120.0478	121.5240	122.9992	124.4754	125.9516	127.4278	128.9040	130.3802	131.8564	133.3326	134.8088
3	90.5238	92.0000	93.4762	94.9524	96.4286	97.9048	99.3810	100.8572	102.3334	103.8096	105.2858	106.7620	108.2382	109.7144	111.1906	112.6668	114.1430	115.6192	117.0954	118.5716	120.0478	121.5240	122.9992	124.4754	125.9516	127.4278	128.9040	130.3802	131.8564	133.3326	134.8088
4	90.5238	92.0000	93.4762	94.9524	96.4286	97.9048	99.3810	100.8572	102.3334	103.8096	105.2858	106.7620	108.2382	109.7144	111.1906	112.6668	114.1430	115.6192	117.0954	118.5716	120.0478	121.5240	122.9992	124.4754	125.9516	127.4278	128.9040	130.3802	131.8564	133.3326	134.8088
5	90.5238	92.0000	93.4762	94.9524	96.4286	97.9048	99.3810	100.8572	102.3334	103.8096	105.2858	106.7620	108.2382	109.7144	111.1906	112.6668	114.1430	115.6192	117.0954	118.5716	120.0478	121.5240	122.9992	124.4754	125.9516	127.4278	128.9040	130.3802	131.8564	133.3326	134.8088
6	90.5238	92.0000	93.4762	94.9524	96.4286	97.9048	99.3810	100.8572	102.3334	103.8096	105.2858	106.7620	108.2382	109.7144	111.1906	112.6668	114.1430	115.6192	117.0954	118.5716	120.0478	121.5240	122.9992	124.4754	125.9516	127.4278	128.9040	130.3802	131.8564	133.3326	134.8088
7	90.5238	92.0000	93.4762	94.9524	96.4286	97.9048	99.3810	100.8572	102.3334	103.8096	105.2858	106.7620	108.2382	109.7144	111.1906	112.6668	114.1430	115.6192	117.0954	118.5716	120.0478	121.5240	122.9992	124.4754	125.9516	127.4278	128.9040	130.3802	131.8564	133.3326	134.8088
8	90.5238	92.0000	93.4762	94.9524	96.4286	97.9048	99.3810	100.8572	102.3334	103.8096	105.2858	106.7620	108.2382	109.7144	111.1906	112.6668	114.1430	115.6192	117.0954	118.5716	120.0478	121.5240	122.9992	124.4754	125.9516	127.4278	128.9040	130.3802	131.8564	133.3326	134.8088
9	90.5238	92.0000	93.4762	94.9524	96.4286	97.9048	99.3810	100.8572	102.3334	103.8096	105.2858	106.7620	108.2382	109.7144	111.1906	112.6668	114.1430	115.6192	117.0954	118.5716	120.0478	121.5240	122.9992	124.4754	125.9516	127.4278	128.9040	130.3802	131.8564	133.3326	134.8088
10	90.5238	92.0000	93.4762	94.9524	96.4286	97.9048	99.3810	100.8572	102.3334	103.8096	105.2858	106.7620	108.2382	109.7144	111.1906	112.6668	114.1430	115.6192	117.0954	118.5716	120.0478	121.5240	122.9992	124.4754	125.9516	127.4278	128.9040	130.3802	131.8564	133.3326	134.8088
11	90.5238	92.0000	93.4762	94.9524	96.4286	97.9048	99.3810	100.8572	102.3334	103.8096	105.2858	106.7620	108.2382	109.7144	111.1906	112.6668	114.1430	115.6192	117.0954	118.5716	120.0478	121.5240	122.9992	124.4754	125.9516	127.4278	128.9040	130.3802	131.8564	133.3326	134.8088
12	90.5238	92.0000	93.4762	94.9524	96.4286	97.9048	99.3810	100.8572	102.3334	103.8096	105.2858	106.7620	108.2382	109.7144	111.1906	112.6668	114.1430	115.6192	117.0954	118.5716	120.0478	121.5240	122.9992	124.4754	125.9516	127.4278	128.9040	130.3802	131.8564	133.3326	134.8088

➤ Data dH13 sampai H14

Tanggal	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
01	4932	4929	4932	4930	4931	4931	4932	4931	4932	4931	4932	4931	4932	4931	4932	4931	4932	4931	4932	4931	4932	4931	4932	4931	4932	4931	4932

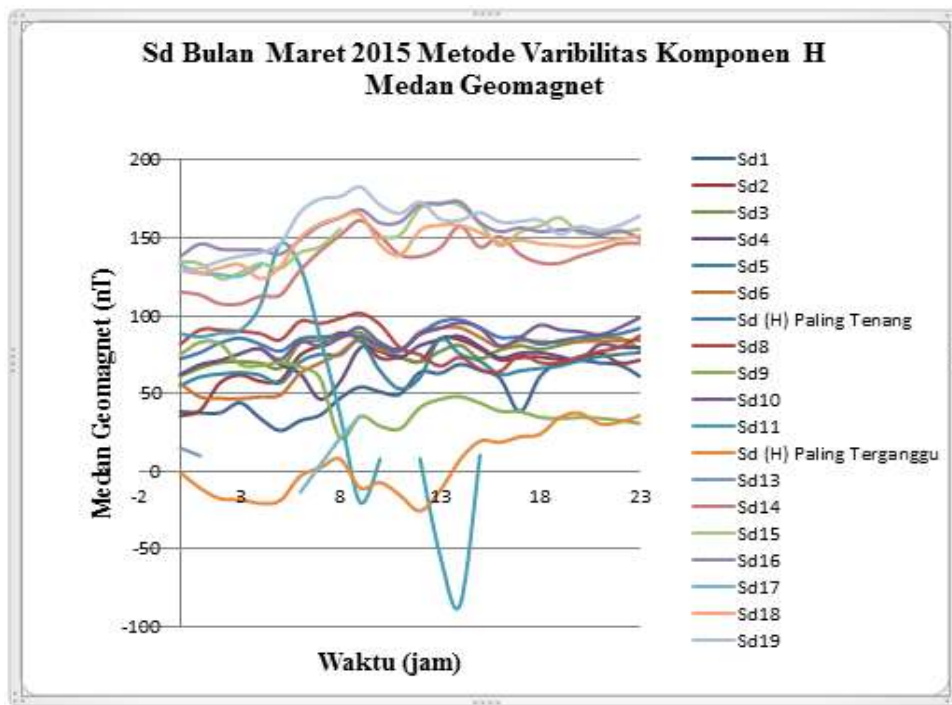
➤ Grafik dH1 sampai dH19



➤ Data H15 sampai Sd19

Waktu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Sd1	120.276	125.88	121.23	122.021	120.287	124.479	121.281	122.227	120.282	120.282	121.221	121.221	121.221	121.221	121.221	121.221	121.221	121.221	121.221	121.221	121.221	121.221	121.221	121.221	121.221	121.221	121.221	121.221	121.221	121.221	121.221

➤ Grafik Sd1 sampai Sd19 Bulan Maret 2015

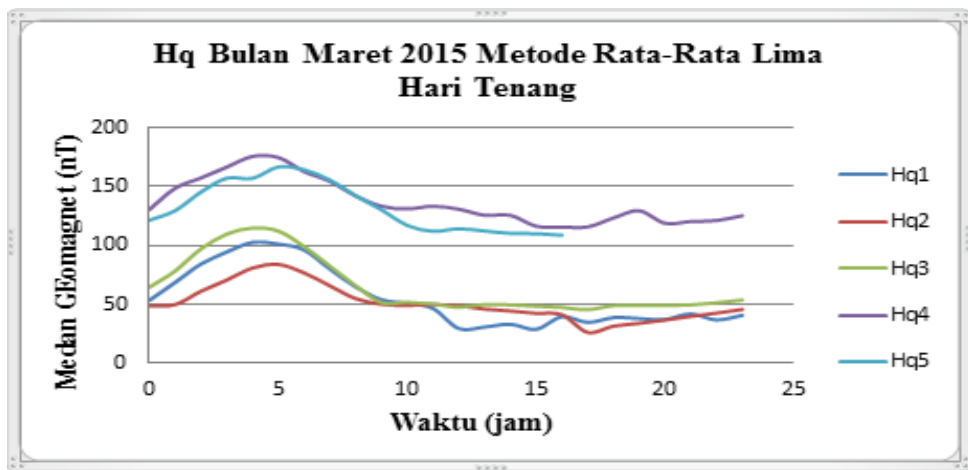


b) Pengolahan Sq (H) dan Sd (H) Metode Rata-Rata Lima Hari Tenang Komponen H Bulan Maret 2015 Menggunakan Excel

➤ Data Hq1-Hq5 sampai H15

Tanggal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	13 4754	48 122	44 482	120 5747	121 3764	80 8541	80 4238	27 4654	51 4614	54 4380	47 3694	48 526	74 8887	47 3689	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

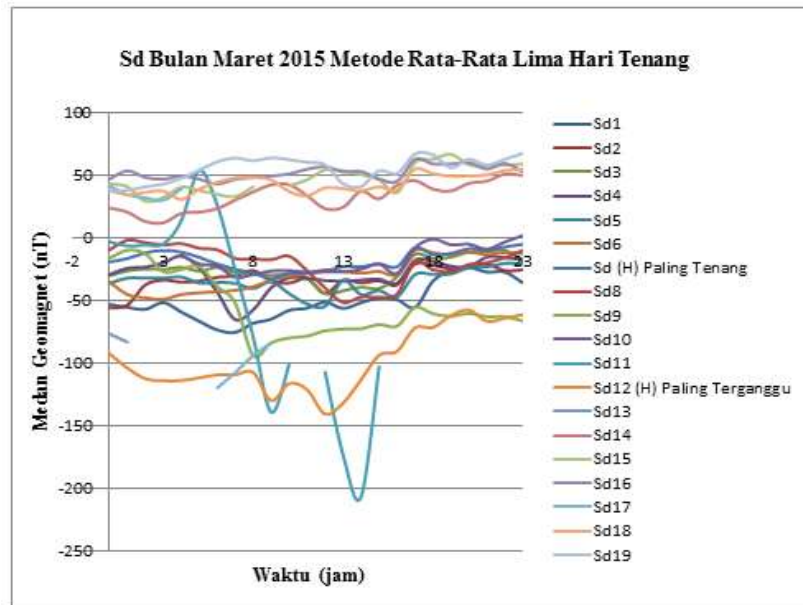
➤ Grafik Hq1 sampai Hq5



➤ Data H16 sampai Sq (H) Maret 2015

Tanggal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
1	130 375	129 36	131 30	130 821	131 111	130 889	131 281	130 228	130 25	130 25	130 25	130 25	130 25	130 25	130 25	130 25	130 25	130 25	130 25	130 25	130 25	130 25	130 25	130 25	130 25	130 25	130 25	130 25	130 25	130 25	130 25	130 25

➤ Grafik Sd1 sampai Sd19 Bulan Maret 2015



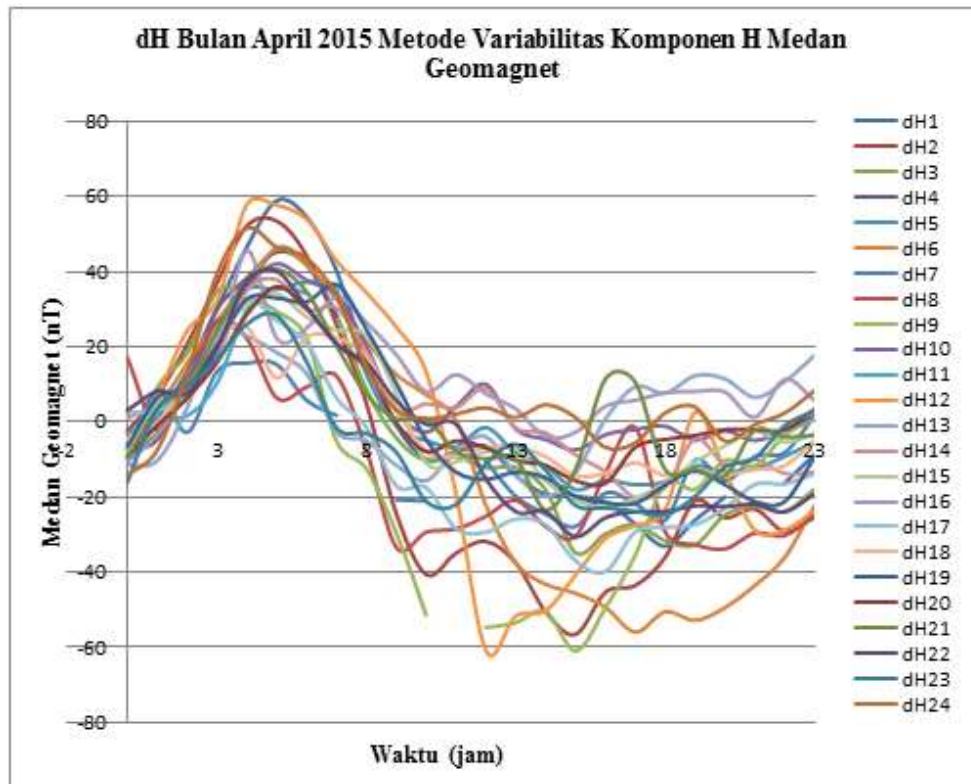
2.) Bulan April 2015

a) Pengolahan Sq (H) dan Sd (H) Metode Variabilitas Komponen H Bulan April 2015 Menggunakan Excel

➤ dH1 sampai diperoleh nilai Sq (H) April 2015



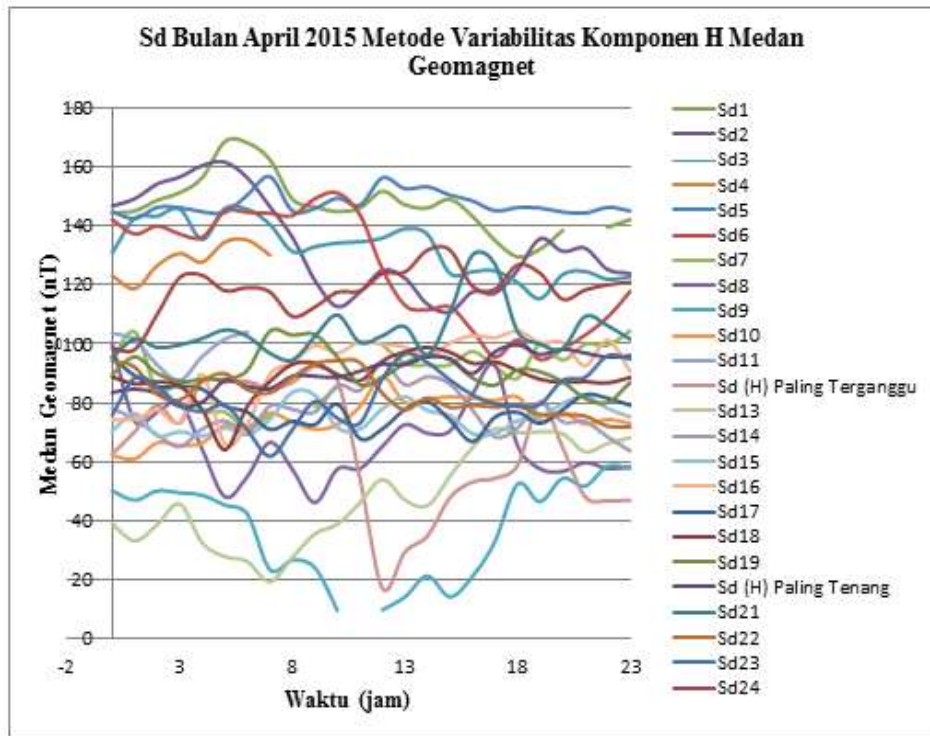
➤ Grafik dH April 2015



➤ Data nilai Sd1 Sampai Sd (H) April 2015

Waktu	3	8	13	18	23	...	23
dH1	...	...	...	...	...	...	...
dH2	...	...	...	...	...	...	...
dH3	...	...	...	...	...	...	...
dH4	...	...	...	...	...	...	...
dH5	...	...	...	...	...	...	...
dH6	...	...	...	...	...	...	...
dH7	...	...	...	...	...	...	...
dH8	...	...	...	...	...	...	...
dH9	...	...	...	...	...	...	...
dH10	...	...	...	...	...	...	...
dH11	...	...	...	...	...	...	...
dH12	...	...	...	...	...	...	...
dH13	...	...	...	...	...	...	...
dH14	...	...	...	...	...	...	...
dH15	...	...	...	...	...	...	...
dH16	...	...	...	...	...	...	...
dH17	...	...	...	...	...	...	...
dH18	...	...	...	...	...	...	...
dH19	...	...	...	...	...	...	...
dH20	...	...	...	...	...	...	...
dH21	...	...	...	...	...	...	...
dH22	...	...	...	...	...	...	...
dH23	...	...	...	...	...	...	...
dH24	...	...	...	...	...	...	...

➤ Data Grafik Sd1 sampai Sd24

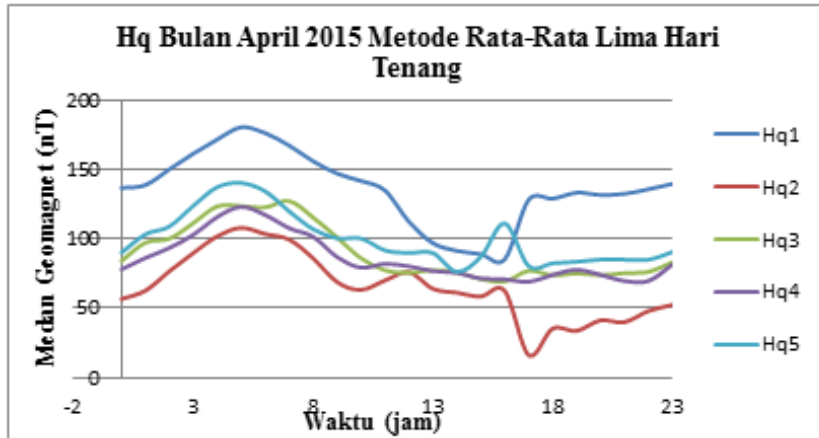


b) Pengolahan Sq (H) dan Sd (H) Metode Rata-Rata Lima Hari Tenang Komponen H Bulan April 2015 Menggunakan Excel

➤ Data Hq1 sampai Sq (H) April 2015

Waktu	04/04/2015	11/04/2015	17/04/2015	24/04/2015	30/04/2015	04/05/2015
1	136.3552	98.8937	84.2389	78.2478	90.1948	89.2255
2	140.8712	82.6708	87.2827	88.0343	108.4209	87.7189
3	130.3628	78.7141	100.2329	83.2471	108.0640	101.0643
4	181.8024	88.8738	111.8117	108.3098	110.9998	118.3389
5	171.8604	100.0188	110.8688	110.8760	117.468	120.1808
6	180.7088	108.0788	111.8312	110.2402	140.4487	111.1788
7	178.8818	108.8812	110.8818	117.8878	148.8877	130.8878
8	167.4671	88.8228	117.4648	107.8205	118.8511	114.4622
9	188.1188	88.8228	115.8312	101.8784	107.8788	118.8408
10	187.1888	88.8188	110.1884	88.8882	100.8488	110.8784
11	181.8488	88.1878	88.1878	78.1112	100.4487	84.1188
12	188.8188	78.8812	77.8878	80.1882	88.8812	88.8812
13	111.4688	78.0884	75.8812	80.1178	88.8134	88.8812
14	87.8818	88.8788	77.8818	78.8818	88.8818	81.1888
15	81.8818	81.8871	78.8178	78.8888	78.8888	78.1888
16	88.8784	88.848	71.8812	71.8812	87.18	78.8812
17	88.8888	88.8884	88.8884	78.8884	111.1188	78.8788
18	118.1888	88.1112	77.8878	88.8811	88.8811	78.1188
19	118.1888	88.1888	78.1888	78.1888	81.1881	78.8888
20	118.1888	81.8888	78.1881	77.1878	81.817	80.1888
21	111.1888	81.1111	78.8881	78.1888	81.1871	81.1188
22	118.8812	88.8817	78.8871	88.8877	88.8888	88.8881
23	118.8878	88.8888	78.1111	88.8882	88.8788	81.1188
24	108.1888	81.1111	88.1888	81.1881	88.8871	88.1178

➤ Grafik dH1 sampai dH24 April 2015

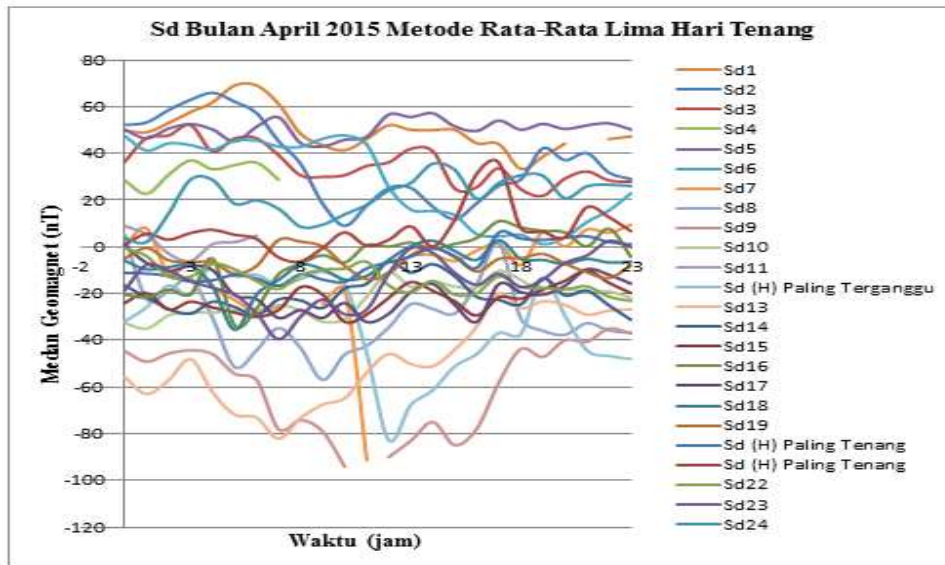


➤ Data Sd1 samapai Sd (H) April 2015

Waktu (jam)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	April 2015		
1	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	
2	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
3	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
4	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
5	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
6	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
7	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
8	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
9	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
10	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
11	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
12	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
13	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
14	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
15	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
16	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
17	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
18	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
19	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
20	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
21	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
22	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
23	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
24	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
25	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
26	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
27	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
28	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
29	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
30	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85

➤ Data Grafik Sd1 sampai Sd24



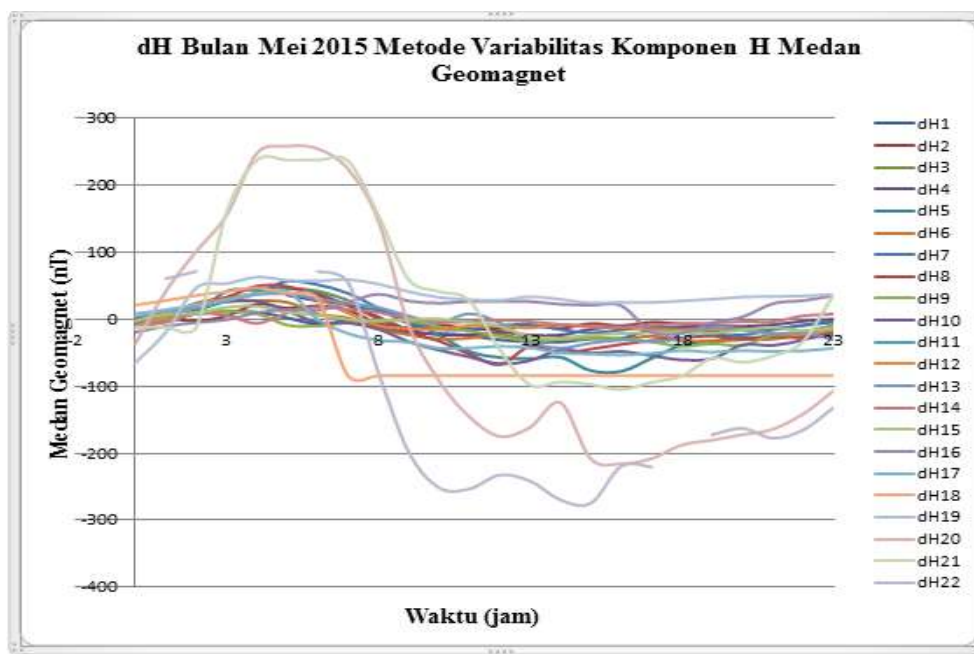


3.) Bulan Mei 2015

a) Pengolahan Sq (H) dan Sd (H) Metode Variabilitas Komponen H Bulan Mei 2015 Menggunakan Excel

➤ Data dH1 sampai Sq (H) Mei 2015

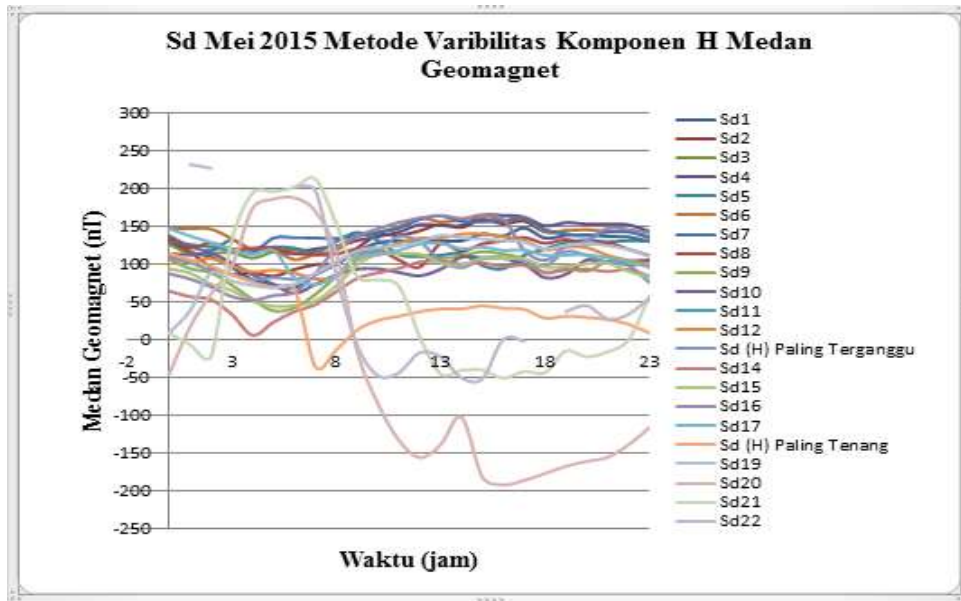
➤ Grafik dH1 sampai dH22



➤ Data Sd1 sampai Sd (H) Mei 2015

Tanggal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
d1	124.547	131.117	138.217	142.239	147.282	152.055	154.426	156.23	157.291	158.234	159.281	160.215	161.268	162.218	163.268	164.218	165.268	166.218	167.268	168.218	169.268	170.218	171.268	172.218	173.268	174.218	175.268	176.218	177.268	178.218	179.268	180.218

➤ Data Grafik Sd1 sampai Sd22

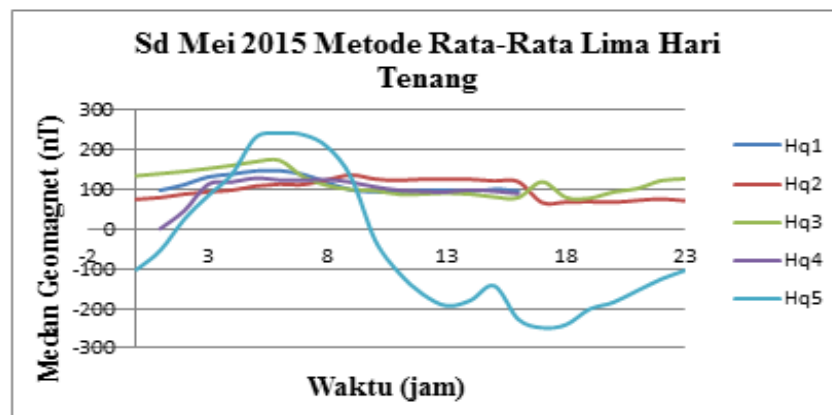


b) Pengolahan Sq (H) dan Sd (H) Metode Rata-Rata Lima Hari Tenang Komponen H Bulan Mei 2015 Menggunakan Excel

- Data Hq1 sampai Sq (H) Mei 2015

Waktu (jam)	00-01/05/2015	01-02/05/2015	02-03/05/2015	03-04/05/2015	04-05/05/2015	Hq 01 Mei 2015
1	96.5306	78.3116	135.501	0	101.8711	94.8276
2	131.4420	88.8970	144.8423	98.8191	14.3440	81.8089
3	118.9920	92.5570	154.1944	111.1084	89.1000	115.5410
4	187.1309	90.8019	188.7909	117.8110	104.8000	119.8889
5	146.1013	107.1300	188.1000	116.8701	119.416	111.4100
6	146.8000	111.0000	171.8000	112.1000	119.1000	100.1000
7	110.1100	110.7400	115.101	111.1101	119.117	146.1000
8	110.0070	112.8000	108.8014	110.0000	109.8000	149.1700
9	97.0000	114.9000	100.0100	110.0000	110.1000	111.1100
10	88.0017	111.1000	88.0000	109.1000	111.1000	78.1100
11	81.1100	111.0000	88.0000	88.1000	111.1000	87.1000
12	88.0000	111.1000	88.0000	88.1000	111.1000	87.1000
13	87.8000	111.0000	88.1000	88.1000	111.1000	87.1000
14	88.0000	111.0000	87.1000	87.1000	111.1000	84.1000
15	88.1000	111.0000	87.1000	87.1000	111.1000	89.1000
16	88.0000	111.0000	87.1000	88.1000	111.1000	89.1000
17		88.1000	111.0000	111.1000	111.1000	81.1000
18		87.1000	78.1000		111.1000	81.1000
19		87.1000	78.1000		111.1000	81.1000
20		88.0000	87.1000		111.1000	81.1000
21		71.1000	101.0000		111.1000	81.1000
22		74.1000	111.0000		111.1000	111.1000
23		70.1000	111.0000		111.1000	81.1000

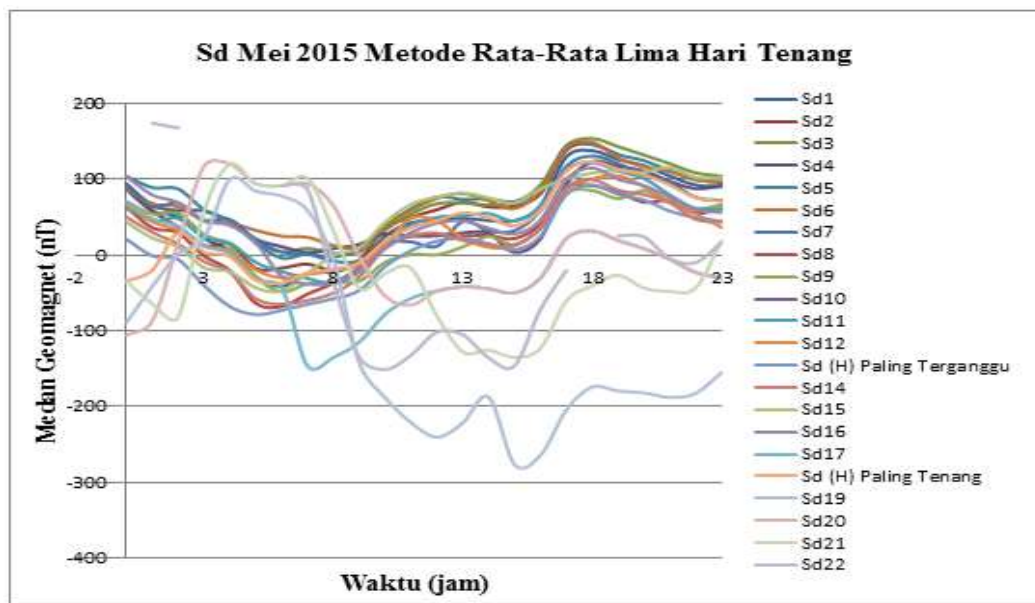
- Grafik Hq1 sampai Hq5 Mei 2015



- Data Sd1 sampai Sd (H) Mei 2015

Tanggal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31															
0000	5401	5411	5421	5431	5441	5451	5461	5471	5481	5491	5500	5411	5421	5431	5441	5451	5461	5471	5481	5491	5500	5411	5421	5431	5441	5451	5461	5471	5481	5491	5500															
1	98.4472	98.22171	98.01191	97.81201	97.62211	97.44221	97.27231	97.11241	96.96251	96.82261	96.69271	96.57281	96.46291	96.36301	96.27311	96.19321	96.12331	96.06341	96.01351	95.97361	95.94371	95.92381	95.91391	95.91401	95.92411	95.94421	95.97431	96.01441	96.06451	96.12461	96.19471	96.27481	96.36491	96.46501	96.57511	96.69521	96.82531	97.01541	97.26551	97.57561	97.94571	98.37581	98.86591	99.41601	99.93611	100.00621

➤ Data Grafik Sd1 sampai Sd22



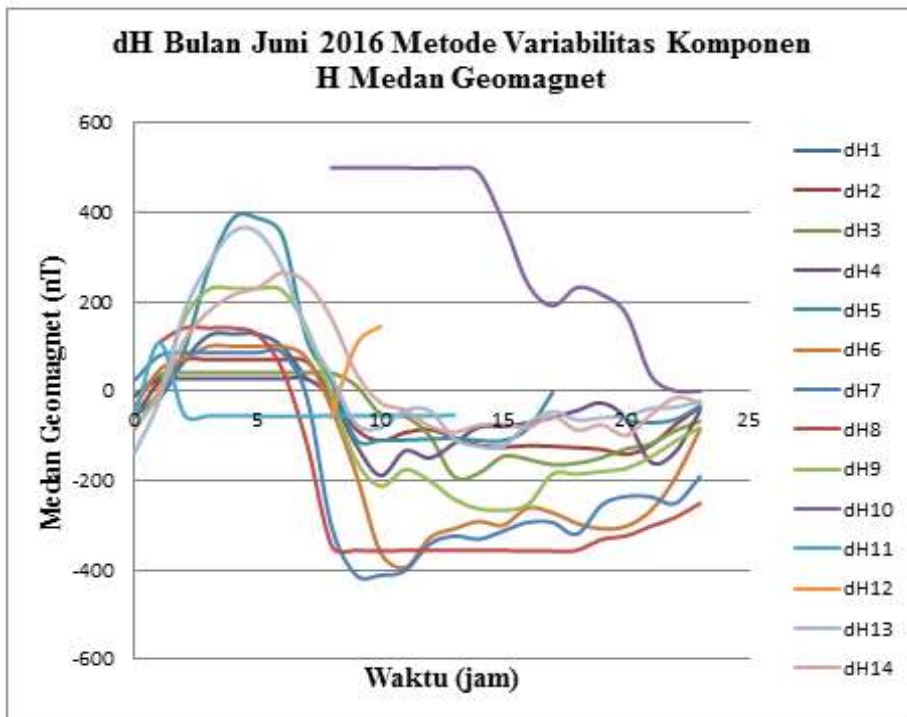
4.) Bulan Juni 2015

a) Pengolahan Sq (H) dan Sd (H) Metode Variabilitas Komponen H Bulan Juni 2015 Menggunakan Excel

➤ Data dH1 sampai Sq (H) Juni 2015

Tanggal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Jumlah	
0	-52.005	-57.2920	-8.8520	-20.5300	-55.8200	-53.0895	25.42110																										-48.8922
1	-23.8288	22.8023	36.4880	27.2090	-0.0084	47.7932	79.8208	108.8954	4.9447																								54.04024
2	67.8954	69.9581	-60.8062	27.6194	89.8637	71.4345	86.2548	141.2777	180.8732																								85.07094
3	134.8184	70.4082	-60.8581	27.6584	272.8184	100.3544	88.2788	141.2844	227.7058																								128.3003
4	128.0246	70.430	-60.8440	27.7005	387.2055	100.2607	88.5026	141.1807	180.2113																								148.8191
5	127.1626	70.4940	-60.7989	27.7173	387.2029	100.3088	88.2932	126.0996	230.2233																								149.6794
6	100.5986	70.484	-60.7794	27.6842	348.7334	100.2643	88.3239	48.1781	204.8531																								124.8526
7	24.5023	55.9086	-60.7427	27.68	115.6333	73.2218	-13.25	-117.676	140.5771																								64.22487
8	-7.8438	-60.7704	-17.3187	21.8718	-58.8832	-92.369	-846.01	-10.8164	499.782																								3.880036
9	-80.3678	11.7020	120.120	-208.498	-185.287	-471.4	-268.321	-155.513	-488.6128																								-64.5983
10	-120.881	-50.4188	-268.857	-209.295	-343.521	-432.027	-267.434	-211.967	495.781																								-90.1852
11	-40.8788	-56.8054	-133.452	-209.352	-394.948	-401.838	-288.587	-175.851	489.781																								-100.8188
12	-88.0079	-101.0217	-348.812	-257.282	-528.241	-542.806	-268.244	-200.408	488.7828																								-88.7188
13	-110.522	-191.888	-116.484	-255.876	-307.818	-324.448	-254.786	-242.288	489.782																								-120.288
14	-121.021	-181.484	-80.2844	-210.023	-241.03	-351.128	-255.811	-283.705	489.481																								-120.872
15	-125.525	-143.888	-78.8757	-110.618	-289.808	-311.827	-254.545	-284.461	577.4887																								-120.573
16	-121.889	-152.471	-79.421	-82.8017	-281.348	-283.544	-357.805	-253.626	239.082																								-118.781
17	-129.872	-184.488	-58.8187	-2.8144	-272.232	-285.888	-357.801	-185.744	191.1222																								-120.288
18	-126.889	161.346	-43.8029		-295.878	-328.928	-284.115	-185.826	252.089																								-120.288
19	-130.387	148.824	-24.408		-308.305	-254.841	-351.869	-179.513	214.485																								-120.288
20	-142.408	128.082	-61.8271	-88.428	-322.223	-285.625	-328.787	-172.514	172.871																								-120.288
21	-121.889	-117.786	-158.846	-70.4860	-247.529	-236.547	-302.305	-147.078	35.2637																								-120.288
22	-74.8848	-88.239	-126.888	-83.2881	-195.857	-251.284	-282.854	-111.803	0.0962																								-88.8882
23	-88.8118	-67.4203	-44.2887	-52.8734	-88.2822	-131.884	-251.254	-81.9324	-0.0000																								-88.8882

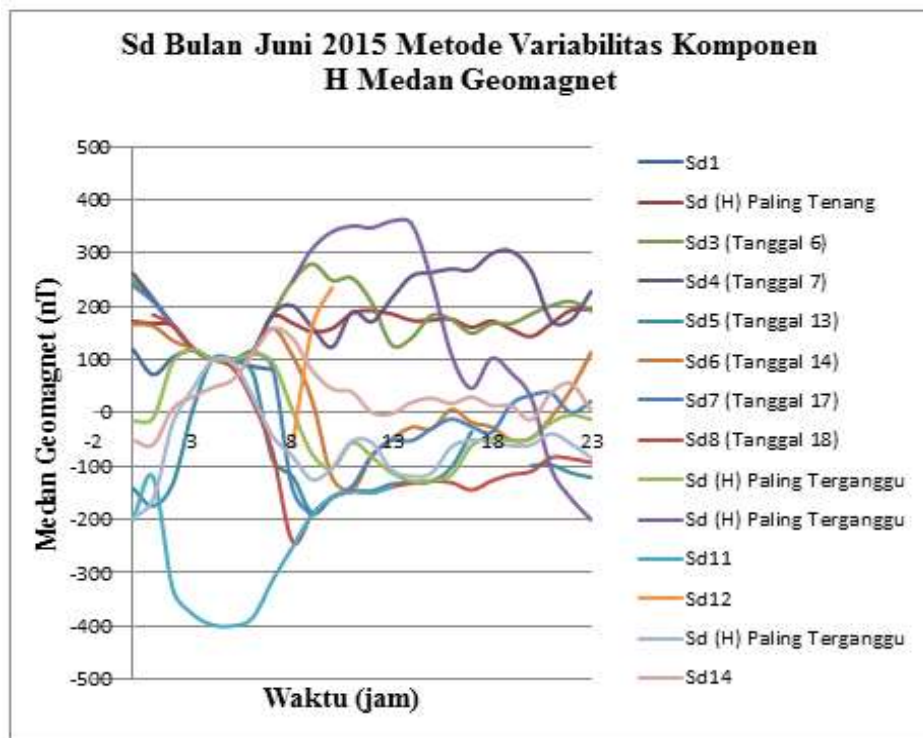
➤ Grafik dH1 sampai Sq (H) Juni 2015



➤ Data Sd1 sampai Sd14 Juni 2015

Tanggal	1	5	6	7	13	14	17	18	23	24	25	26	27	28
Jam	00	04	08	12	16	20	24	28	32	36	40	44	48	52
0	118.9029	271.9404	348.9596	391.4813	-141.179	180.3374	218.8791	-14.8679	-199.899	-199.899	-199.899	-199.899	-199.899	-199.899
1	72.87918	166.9291	211.3025	215.1120	-174.182	183.2442	208.3836	184.4884	-8.61474	-119.224	-119.224	-119.224	-119.224	-119.224
2	106.8333	164.9881	164.8183	184.3995	-132.885	135.8808	184.7139	164.7058	95.39088	-51.376	-51.376	-51.376	-51.376	-51.376
3	118.1871	121.2909	121.3528	121.3217	6.977981	121.4881	121.4443	121.4381	118.9112	-177.28	-177.28	-177.28	-177.28	-177.28
4	100.9245	100.8169	100.9072	100.9674	100.9084	100.9818	101.0194	100.8488	100.9818	-997.568	-997.568	-997.568	-997.568	-997.568
5	89.21617	100.3218	100.0015	100.0949	100.0015	100.1234	100.1488	84.80117	100.1275	-999.133	-999.133	-999.133	-999.133	-999.133
6	87.48287	115.0264	115.0288	115.1026	76.82077	125.1287	125.2123	22.08047	109.8071	-994.432	-994.432	-994.432	-994.432	-994.432
7	82.00383	180.9944	183.1987	183.106	-81.0527	158.4938	83.55305	-73.9043	93.84073	-113.794	-113.794	-113.794	-113.794	-113.794
8	168.2271	246.6224	201.7913	118.136	107.7819	-141.871	-140.365	5.742174	248.87	-252.257	-62.6007	-62.6007	-62.6007	-62.6007
9	112.2917	279.7904	181.8148	187.418	22.84828	-189.115	-189.215	-77.1462	108.2779	-190.432	162.0821	120.199123	79.77998	13.89789942
10	128.3297	248.8484	123.7989	-136.89	-171.841	-158.116	-158.095	-109.189	140.1831	-138.447	275.3818	182.1511877	48.4051	14.75288882
11	187.4428	253.1452	189.5177	148.111	-144.531	-137.489	-147.121	83.3442	150.8188	147.48	-11.982499	89.1711	15.79120811	15.79120811
12	183.9881	209.5339	171.1495	-145.91	-80.8327	-79.8675	-148.996	-82.1081	147.3488	-149.891	93.80801614	2.851184	14.84480093	14.84480093
13	183.9881	127.302	213.8943	-131.086	-48.0317	-50.4322	-137.882	-112.391	140.1874	-137.471	108.9134033	-0.9511	13.50079133	13.50079133
14	175.8254	141.8704	237.838	-171.821	-36.461	-51.8381	-131.781	-128.844	154.2714	-138.877	118.3877078	20.13848	12.34271845	12.34271845
15	174.2465	183.1888	281.4302	-127.121	-28.8384	-28.7899	-127.435	-138.3	148.0896	-138.3	112.4269582	28.07115	11.89751045	11.89751045
16	175.9756	173.1883	270.3914	101.118	8.910285	-11.2544	-130.537	-113.278	107.9854	-113.278	93.18754463	17.82187	20.25230145	20.25230145
17	190.6166	148.485	268.1209	95.1848	-17.6378	-25.2404	-144.136	-61.2579	46.11783	-61.2579	91.12897118	30.00263	28.10709345	28.10709345
18	172.8012	107.8188	298.7411	-26.0879	-94.1072	-127.285	-65.8447	102.47	-102.47	102.47	74.712122	13.86737	44.567348	44.567348
19	170.9967	168.1206	301.8543	-52.8458	18.84992	-115.284	-51.782	74.87532	-74.87532	74.87532	40.422881	13.08673	45.422188	45.422188
20	140.3279	185.5256	305.2931	-81.1334	-48.2907	35.85964	-109.325	-47.2362	28.21834	-47.2362	64.80948243	12.8758	25.87148545	25.87148545
21	181.8348	201.4481	173.1018	97.8213	-7.87892	37.23388	-81.4146	-17.2361	-104.279	-104.279	98.79421817	78.10388	14.52823645	14.52823645
22	180.8324	208.2282	174.8787	-112.182	44.128	8.918882	85.5356	-8.8333	-140.65	-140.65	17.7880984	54.8841	23.38154745	23.38154745
23	180.9188	191.1889	227.7825	-120.525	113.2481	21.87798	-82.787	-11.8128	-199.742	-199.742	49.155107	9.183295	22.23818845	22.23818845

➤ Grafik Sd1 sampai Sd14 Juni 2015

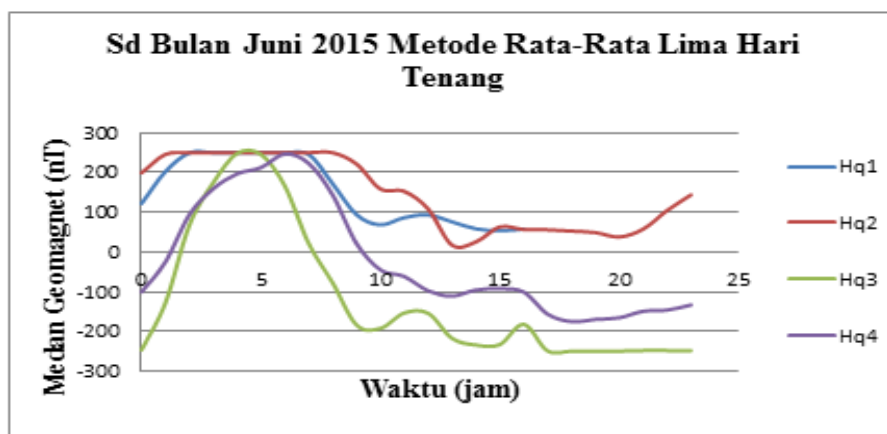


b) Pengolahan Sq (H) dan Sd (H) Metode Rata-Rata Lima Hari Tenang Bulan Juni 2015 Menggunakan Excel

➤ Data Hq1 sampai Sq (H) Juni 2015

Tanggal	4-5/06/2015	5-6/06/2015	28-29/06/2015	29-30/06/2015	Hq (H) Juni 2015
Jam	Hq1	Hq2	Hq3	Hq4	
0	221.9702	339.0294	-246.4161	-100.6075	-6.506
1	202.0683	245.2505	-128.3192	-21.2269	75.471425
2	249.1091	249.6902	46.7225	91.5492	164.780275
3	249.6592	249.7161	179.8992	158.7518	209.0041
4	249.034	249.7292	247.5679	198.4162	235.806
5	249.8925	249.8792	245.5275	212.0502	239.182
6	249.605	249.8654	185.6282	246.5621	227.85625
7	245.1098	249.8237	30.8108	222.8871	184.58525
8	171.7572	249.8534	-77.2711	149.2158	121.898275
9	93.8334	221.2211	-183.7568	21.2127	38.13025
10	48.3402	158.4632	-192.3366	-46.7777	-2.5776
11	86.5242	152.2264	-153.4809	-61.7674	5.48065
12	95.1951	107.8451	-154.3616	-97.8591	-12.795725
13	75.4787	17.2145	-117.201	-111.2367	-58.88665
14	38.18	23.209	-234.0401	-93.5129	-61.49275
15	55.4764	62.9989	-235.0029	-93.4998	-52.2072
16	57.2121	56.4099	-181.8185	-100.838	-42.388875
17		55.5289	-246.8171	-156.2145	-118.5342325
18		52.5132	-349.5351	-175.0081	-124.017
19		48.8342	-249.4399	-169.5496	-123.4034325
20		37.7823	-249.3638	-165.5397	-125.7037325
21		67.5016	-247.842	-149.1422	-113.1968
22		104.2462	-247.8092	-146.3752	-96.8794667
23		145.5894	-248.8307	-152.2834	-79.5748

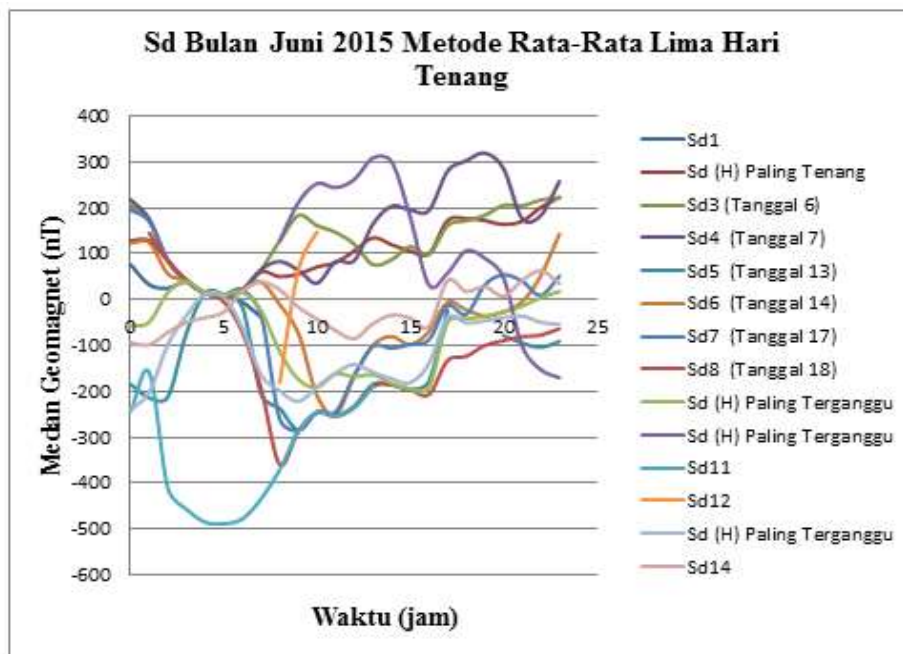
➤ Grafik Hq1 sampai Hq4 Juni 2015



➤ Data Sd1 sampai Sd (H) Juni 2015

Tanggal	1	3	6	7	13	14	17	18	22	23	24	25	26	28	29	30	Hq (H) Juni 2015
Jam	Sd1	Sd2	Sd3	Sd4	Sd5	Sd6	Sd7	Sd8	Sd9	Sd10	Sd11	Sd12	Sd13	Sd14	Sd15	Sd16	
0	75.8793	128.476	205.335	218.027	-184.6	122.933	195.455		54.2622	240.524	129.91	194.1013					11.46161818
1	82.6158	128.821	171.879	179.889	-214.026	123.821	189.982	145.261	-49.0581	158.697	-265.792	-68.7003					18.78810887
2	24.9421	94.5788	84.9086	84.8901	-212.395	56.1532	85.0041	84.8644	15.8413	-410.785	-96.0578	-71.231					-22.84299167
3	98.5292	-61.8921	41.712	41.8809	-72.8497	41.8475	-61.8035	41.7973	99.2964	-456.921	-36.1148	-49.2523					-23.71905
4	13.8576	13.748	13.8403	13.9024	13.8415	13.8847	13.9525	13.7817	13.9148	-484.626	11.9913	-19.1898					-32.23608867
5	8.7986	20.2123	16.4959	15.5813	15.5419	15.6238	15.6273	-4.6084	10.0278	-488.681	8.1542	-17.1527					-35.87880883
6	-6.71081	71.8098	21.8252	21.839	-16.5829	21.9251	22.0077	-73.1232	26.8025	-477.638	-62.2068	18.1299					-45.71811867
7	-16.357	82.2266	85.0283	85.1454	-108.453	38.1339	-34.4077	-189.729	24.4296	-836.128	183.403	38.1819					-49.01998323
8	48.8186	127.824	82.8917	-127.345	-11.5287	-260.478	-836.812	122.988	128.881	-871.061	-181.411	-106.13					-101.7854442
9	53.7021	183.302	85.7662	-284.207	-73.8408	-286.002	-385.808	-174.028	-211.289	-287.121	83.3919	-125.887					-80.79073442
10	76.4261	181.041	85.7912	-244.486	-208.447	-243.922	-246.299	-480.6	-262.478	-246.051	147.837	-188.708					-72.85291538
11	80.8409	144.348	82.7183	-232.91	-251.332	-244.288	-253.901	-362.145	-294.029	-254.229	129.262	-47.428					-91.00004167
12	205.989	120.841	85.2944	-231.845	-185.848	-183.583	-294.811	-448.025	-285.893	-235.828	144.286	-85.9838					-71.24903823
13	134.581	76.1011	184.493	-184.407	-99.4347	-102.033	-189.285	185.792	309.787	-189.072	172.524	-52.2522					-37.90015835
14	128.859	86.8918	202.18	-185.999	-80.8397	-108.107	-143.44	-342.625	-300.083		172.548	-94.0182					-11.83582273
15	128.886	113.204	195.285	-195.897	-99.2041	-97.1018	-195.801	194.688	179.724		180.795	-40.2928					-36.96822636
16	99.498	98.8838	193.917	-177.785	-69.5842	-87.7289	-207.011	-245.785	51.4669		-139.463	-58.5511					-46.27218884
17	-172.561	180.912	179.767	-25.7382	-6.20117	-13.8038	-132.91	-49.8213	57.7064		-59.6805	41.4492					45.54009897
18	176.529	171.855	302.485		-22.3639	-53.3832	-125.561	-45.2207	108.104		-59.8951	17.8818					30.28128
19	177.028	183.342	319.045		-85.4047	82.0904	-101.023	86.2711	99.9194		-86.1802	28.3076					60.84293233
20	205.999	205.484	285.828	-78.1889	-27.0222	55.8089	-49.5565	27.2877	-98.1898		38.338	7.29483					45.83998261
21	176.495	204.287	176.396	-84.7937	-4.841	-40.1717	-80.1768	24.2995	-101.838		-112.3524	41.5485					27.36407273
22	209.828	217.322	183.075	-104.988	52.2189	8.91187	-77.4379	8.48291	-122.294		-88.8928	82.9794					31.47481212
23	212.986	220.834	257.227	-91.8885	142.731	51.8187	-63.8229	17.8421	-179.811		-69.9989	34.618					11.48050445

➤ Grafik Sd1 sampai Sd14 Juni 2015



5.) Bulan Juli 2015

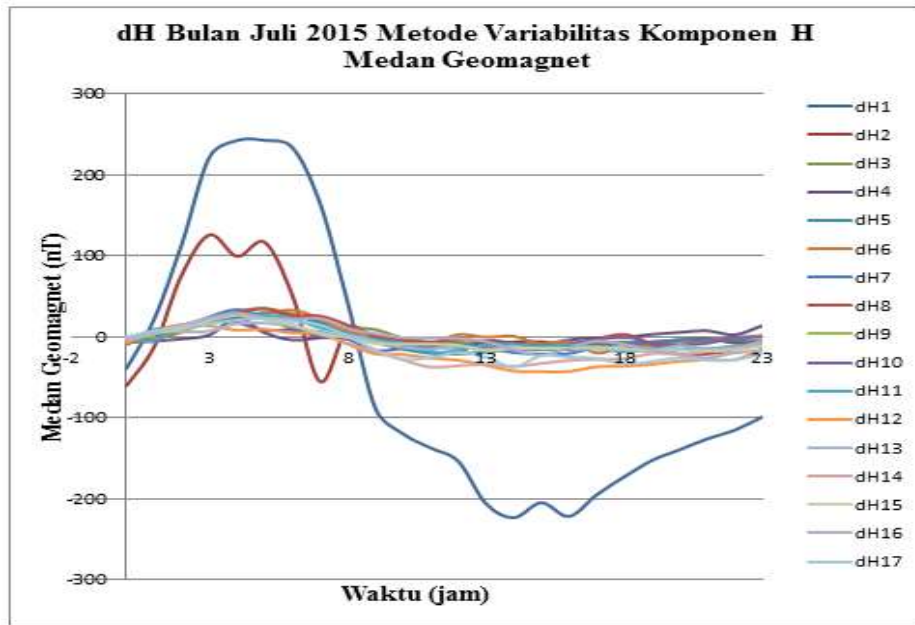
a) Pengolahan Sq (H) dan Sd (H) Metode Variabilitas Komponen H Bulan Juli 2015 Menggunakan Excel

➤ Data dH1 sampai Sq (H) Juli 2015

Tanggal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
7/1/2015	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...



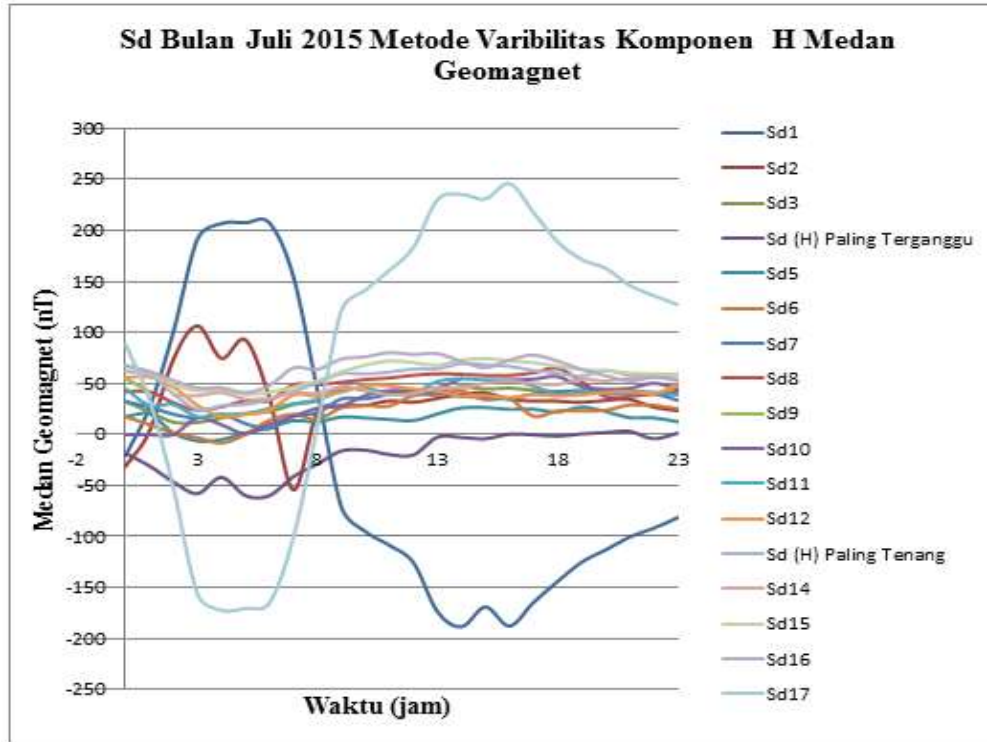
➤ Grafik dH1 sampai dH17



➤ Data Sd1 sampai Sd (H) Juli 2015

Tanggal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
0	-20.016	-0.11	33.8281	-18.411	37.4823	17.5534	33.3028	41.9428	35.0481	0	45.0287	53.8146	31.7513	60.8014	47.737	68.8831	34.28838978														
1	36.4748	124.748	22.1886	-60.677	30.1827	9.77238	24.8736	42.0867	41.8711	0	26.4687	56.455	38.9713	60.909	42.1811	34.3443	30.91131124														
2	300.881	73.6811	13.1213	-48.771	-48.6823	1.31273	18.8128	31.3521	0	26.4687	46.3057	40.0288	39.5862	48.84	51.878	-51.764	26.53384196														
3	191.844	-108.578	11.80238	-57.314	-6.2638	2.8748	25.258	23.786	18.4727	17.5148	28.6021	34.2886	38.0881	42.9484	45.7878	-158.58	21.27189152														
4	106.425	74.6406	16.1883	-41.887	-4.8981	-8.3881	16.9133	27.1917	9.34129	18.8403	17.8401	38.1406	-41.0375	-43.0767	-45.8079	-170.48	20.23189887														
5	107.822	30.7198	20.18838	-58.288	-5.1528	2.23238	15.7788	33.8784	0.84638	20.5441	18.8513	29.4687	34.5272	38.2257	41.3968	-170.48	20.0811834														
6	107.245	33.8783	21.2445	-58.288	6.90438	14.1012	3.89318	30.123	10.1733	20.5128	14.0244	34.4886	35.7738	41.4561	48.0788	-185.1	19.99781637														
7	134.514	94.187	28.247	-41.113	12.5748	18.7889	18.0213	48.3084	17.8528	30.1777	28.841	42.3229	41.8441	48.843	50.251	-200.44	23.21448371														
8	41.8208	11.3018	33.1883	-28.887	11.3411	15.1089	11.673	48.712	13.8628	34.1877	37.8423	30.9174	40.1185	52.9478	60.8718	8.254	30.09164848														
9	71.217	27.8881	48.8283	-18.021	17.2482	28.1742	38.0213	21.4428	28.2851	45.1228	41.2428	40.7888	48.741	61.8888	34.318	121.781	27.17782784														
10	-81.188	18.8931	48.0289	-15.411	18.2788	18.1678	33.2628	33.8887	38.5077	48.0281	48.1888	38.8084	43.3887	68.3021	78.1781	141.781	18.5165498														
11	-108.84	33.0337	43.1771	-19.541	14.8188	17.8627	38.8323	38.3886	43.1218	58.4058	47.771	43.1813	58.4061	71.1883	80.878	184.318	39.28880374														
12	125.75	31.5621	42.8884	-20.017	13.7848	38.1487	40.286	38.1384	43.0214	40.8218	44.7704	44.1289	40.0886	50.5286	58.8488	185.778	40.28870422														
13	-175.75	35.5821	42.1883	-2.4714	30.1884	38.1527	41.0784	38.8384	45.8881	51.0288	42.7086	44.7081	45.8128	61.8771	78.4186	281.21	45.14338045														
14	-188.54	38.948	46.0287	-2.8291	38.2075	42.8828	37.2621	38.5081	34.9488	44.7475	37.8888	48.7881	48.8527	71.1781	71.8352	285.411	45.91777074														
15	188.02	40.8582	44.7827	-4.0384	38.4787	34.0218	38.5118	37.388	38.5188	55.7381	38.1181	48.0388	30.4388	74.5142	65.5782	281.888	47.26072878														
16	187.71	34.6237	45.5825	0.33428	34.8021	35.1265	35.15	37.8788	33.3188	55.4611	38.5882	48.2288	51.2888	72.3042	72.1271	246.071	45.72834448														
17	-184.88	32.8015	45.4382	-1.2624	34.8137	17.8887	38.5386	40.582	34.6268	43.382	38.8413	42.6783	50.0748	50.8188	78.0171	218.24	42.18874843														
18	-144.34	32.7114	42.0488	-1.8804	22.8876	28.0785	42.0827	45.2811	38.8117	55.1854	37.7307	40.4381	48.5821	68.8861	71.1177	188.034	40.80580301														
19	125.34	31.559	41.0583	0.88135	36.7434	33.0985	43.1488	51.8743	47.1638	41.1084	38.701	57.3873	54.1818	65.878	68.8861	171.788	38.5168227														
20	123.28	33.4613	40.2278	1.81348	32.5264	23.8434	45.9488	37.2851	44.4733	40.3487	41.5785	45.0421	51.2074	42.7281	57.0788	185.024	38.67888235														
21	120.21	34.4813	41.0571	0.9883	16.2808	28.2838	43.0028	37.8425	45.1733	38.8838	42.1488	38.1242	51.0256	68.3094	52.1121	146.525	37.78601798														
22	81.808	38.8783	41.1181	-4.0841	38.1218	28.8883	40.4381	40.3177	50.3113	41.4038	40.2821	37.7281	38.2084	58.5128	38.1838	128.34	37.18081477														
23	81.488	31.7781	38.8181	2.27511	41.8241	23.3478	38.8811	42.4728	43.2784	38.084	37.8488	46.7814	38.5128	38.848	41.8811	127.848	36.40125128														

➤ Grafik Sd1 sampai Sd 17 Juli 2015

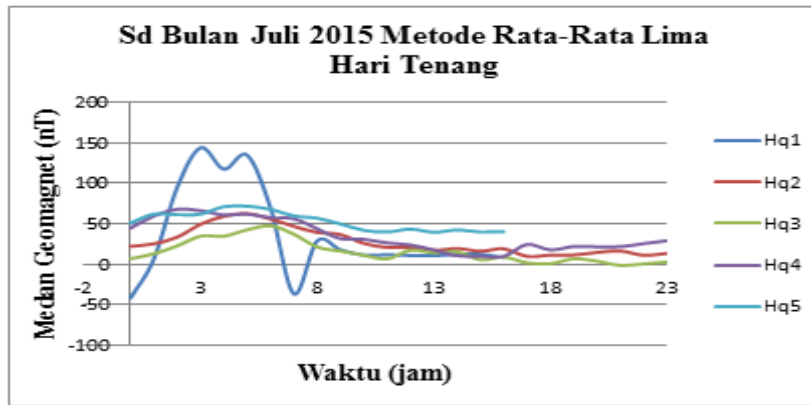


b) Pengolahan Sq (H) dan Sd (H) Metode Rata-Rata Lima Hari Tenang Bulan Juli 2015 Menggunakan Excel

➤ Data Hq1 sampai Hq4 Juli 2015

	0-0800/0800	0-0800/0800	0-0800/0800	08-1700/0800	08-1700/0800	Sq (H) Juli 2015
	Hq1	Hq2	Hq3	Hq4	Hq5	
0	-42.0821	21.8409	6.4932	44.1704	90.8991	28.4971
1	-6.0317	25.1436	12.1949	39.4252	43.9461	24.1404
2	95.2111	35.4311	22.9423	57.8851	61.2600	34.2300
3	104.2180	49.6807	34.8891	46.1941	41.9940	15.5230
4	127.6194	58.2212	34.6107	42.6394	51.2394	48.7012
5	133.5104	42.0278	42.4790	52.8901	51.2100	74.7111
6	44.2779	33.9448	37.2144	37.4044	47.8901	44.6473
7	-36.9675	46.7791	37.9147	34.1761	59.7526	52.5473
8	39.9624	39.347	11.2894	43.8317	50.8101	37.9810
9	17.8112	58.3311	38.187	11.9618	49.4200	32.3310
10	12.123	26.3742	33.8023	19.1741	41.8961	24.3910
11	11.3487	22.1011	6.1867	28.1291	39.1741	32.9100
12	33.3402	20.1780	17.2757	13.7004	40.5400	25.1410
13	19.5204	17.9549	13.941	17.4959	39.4971	19.8310
14	12.0610	14.8341	19.1771	18.4791	42.281	19.8400
15	12.2614	18.0100	5.4280	0.2401	30.8101	18.0100
16	7.9401	18.3079	8.3109	7.4800	49.287	17.2807
17		4.574	1.1044	24.2417		11.40104417
18		11.1810	6.1701	17.4179		8.7971
19		11.1810	6.1429	21.8477		19.21004417
20		14.4500	3.6317	21.1400		13.1411
21		18.2101	1.5407	21.4101		12.111
22		18.0101	0.3007	19.4101		12.1400
23		11.5100	1.1701	18.0101		14.47101011

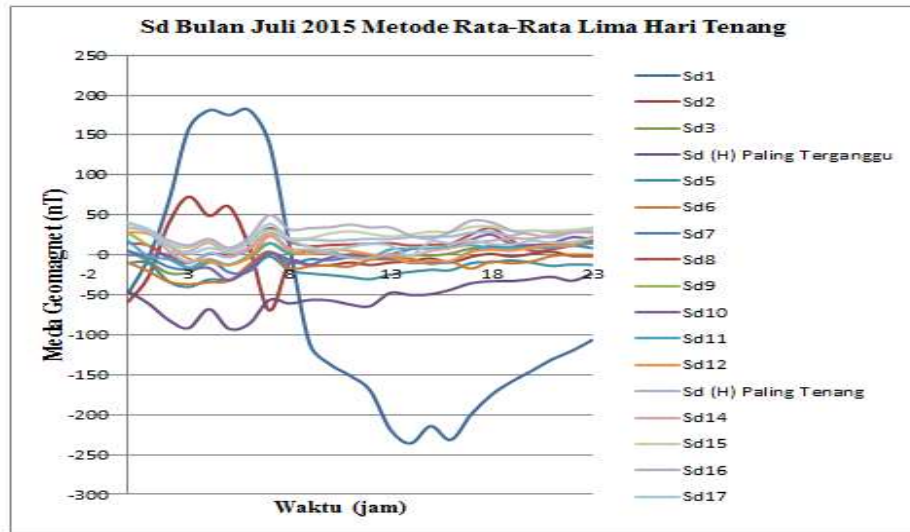
- Grafik Hq1 sampai Hq5 Juli 2015



- Data Sd1 sampai Sd (H) Juli 2015

Tanggal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Juli 2015	
0	-47.8877	58.4412	5.7089	-50.7317	8.881	-9.7889	-4.7799	24.8218	37.7222	0	-7.7774	38.2833	94.91																			3.448885333	
1	-0.88148	38.9188	7.97888	-28.8426	8.97258	-20.2844	3.18088	11.93542	11.95482	0	-3.88858	38.48472	-28.8938																			2.52006	
2	88.15424	38.18094	-22.879	-21.1781	50.2157	-20.4878	24.8877	-3.84938			0	-5.12158	11.75524	5.10754																		-1.55748	
3	218.1348	72.81848	-21.8382	-21.1791	39.8648	-39.8738	17.587	-8.8769			18.9888	38.2881	-9.2889	-9.2889																		-3.987775	
4	382.1482	48.81328	8.88952	-27.7868	38.7388	-34.2884	8.88452	1.42438			-18.188	8.88752	-7.82712	-7.82712																		-1.87888	
5	378.1874	9.88864	-3.82818	-21.1844	-39.8888	-32.2744	21.7278	8.4734			-11.8818	-11.8818	-12.8818	8.181																		0.388028	
6	159.1982	-49.1147	34.2188	-21.187	-1.7433	-4.4733	2.7032	18.188			-18.1818	-8.8188	-1.28178	8.2038																		4.4235	
7	33.09948	8.11812	1.88488	-27.18	-18.2813	-14.7138	38.1488	38.9058			-2.1845	14.8898	38.8288	27.138																		8.778438	
8	-11.297	12.8818	8.28172	-21.184	-25.1384	-14.1388	-5.27888	18.18132			-8.8882	1.78138	8.2078	-14.8813																		-1.778438	
9	-128.698	12.8818	1.88172	-21.184	-25.1384	-14.1388	-5.27888	18.18132			-1.18448	8.8792	8.8882	-8.8813																		-7.784332	
10	-121.698	8.42238	-5.25788	-21.184	-25.1384	-14.1388	-5.27888	18.18132			8.77784	-5.8898	5.8898	-8.8813																			-8.8138
11	-188.828	12.5845	1.42148	-21.184	-25.1384	-14.1388	-5.27888	18.18132			-1.17138	-5.88138	8.81372	-8.8813																			-11.784828
12	-318.888	8.58128	-2.88888	-21.184	-25.1384	-14.1388	-5.27888	18.18132			8.2254	7.8814	-2.1878	-14.8813																			-12.28788
13	328.818	-8.87748	-8.48888	-21.184	-25.1384	-14.1388	-5.27888	18.18132			7.97884	7.8774	-8.48878	-14.8813																			-13.28778
14	-214.212	-8.18748	-8.02888	-21.184	-25.1384	-14.1388	-5.27888	18.18132			8.43884	-7.9788	-14.212	-14.8813																			-13.2827
15	-271.522	-8.1284	1.8412	-21.184	-25.1384	-14.1388	-5.27888	18.18132			8.8888	9.7128	-7.278	-14.212																			-11.758828
16	-199.742	-12.25812	8.181818	-21.184	-25.1384	-14.1388	-5.27888	18.18132			28.1488	12.5812	8.88133	-14.212																			-13.2888188
17	-178.464	-1.8888	28.8241	-21.184	-25.1384	-14.1388	-5.27888	18.18132			15.2188	7.8888	8.4448	-14.212																			-14.772812
18	-168.715	-1.81807	7.87828	-21.184	-25.1384	-14.1388	-5.27888	18.18132			15.7878	8.81718	5.28888	-14.212																			-15.7788412
19	-167.888	1.125	-11.0748	-21.184	-25.1384	-14.1388	-5.27888	18.18132			12.2187	8.1888	8.277	-14.212																			-16.788812
20	-138.88	-1.1817	-11.078	-21.184	-25.1384	-14.1388	-5.27888	18.18132			14.826	9.5845	12.118	-14.212																			-17.888812
21	-138.88	-1.1817	-11.078	-21.184	-25.1384	-14.1388	-5.27888	18.18132			12.1138	18.2887	12.9842	-14.212																			-18.888812
22	-138.88	-1.1817	-11.078	-21.184	-25.1384	-14.1388	-5.27888	18.18132			28.8887	14.2847	22.8817	-14.212																			-19.888812
23	-138.88	-1.1817	-11.078	-21.184	-25.1384	-14.1388	-5.27888	18.18132			28.8887	14.2847	22.8817	-14.212																			-20.888812

- Grafik Sd1 sampai Sd17



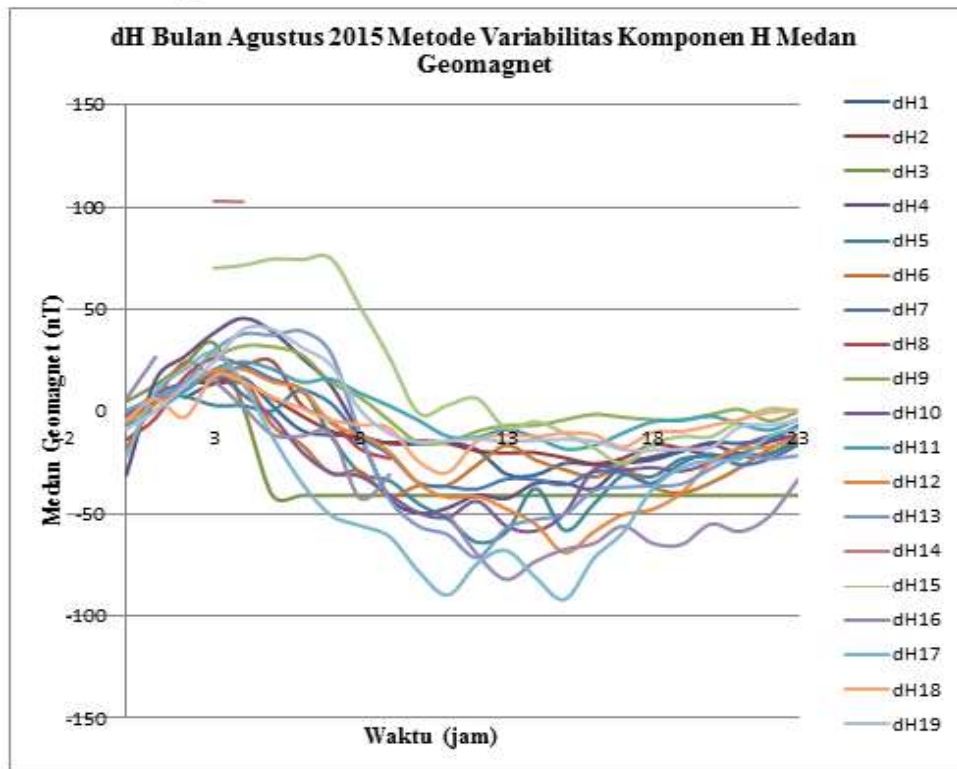
6.) Bulan Agustus 2015

a) Pengolahan Sq (H) dan Sd (H) Metode Variabilitas Komponen H Bulan Agustus 2015 Menggunakan Excel

➤ Data dH1 sampai Sq (H) Agustus 2015

Tanggal	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
05.0118	0	-0.1113	0.0468	0.0798	1.8743	-0.0348	-0.1333	0.0758	-0.0228	0.7941	-0.0810	0.0743	-0.0937	0.1307	-0.1894	0.0468	-0.0403	0.1833	0	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
05.0118	1	0.7089	13.7067	23.3123	16.0817	7.9857	16.2944	23.7883	26.0878	30.0215	20.9492	13.6753	13.8477	20.4248	-0.0318	12.8787	14.0002	0.0101	0	0.5895	1	0.5895	23.8940	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

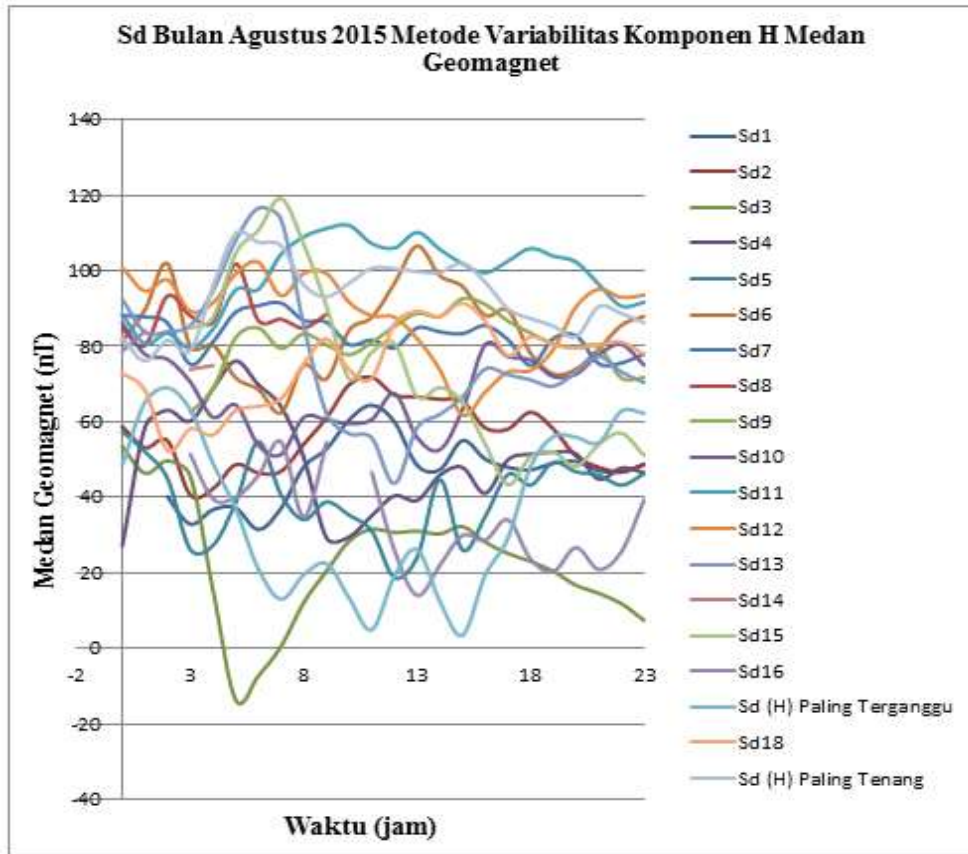
➤ Grafik dH1 sampai dH19



➤ Data Sd1 sampai Sd (H) Agustus 2015

Tanggal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	36.7736	36.4702	37.2893	37.4673	38.4277	38.1187	38.6762	38.1075	38.5125	39.0122	38.4407	38.7394	38.4228	37.8398	37.2202	37.4385	37.1081	36.4287	36.3498	36.2498	36.1498	36.0498	35.9498	35.8498	35.7498	35.6498	35.5498	35.4498	35.3498	35.2498	35.1498

➤ Grafik Sd1 sampai Sd 19 Agustus 2015

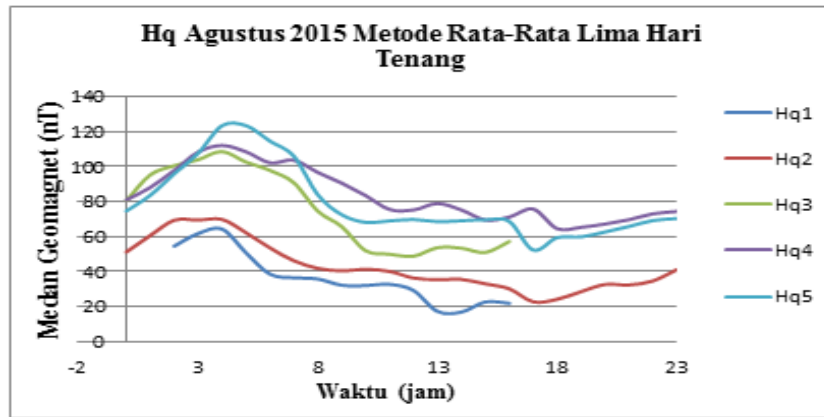


b) Pengolahan Sq (H) dan Sd (H) Metode Rata-Rata Lima Hari Tenang Bulan Agustus 2015 Menggunakan Excel

➤ Data Hq1 sampai Sq (H) Agustus 2015

Tanggal	0-3/08/2015	3-4/08/2015 LT	10-11/08/2015	20-21/08/2015	28-09/08/2015	Sd (H) Agustus 2015
jam	Hq1	Hq2	Hq3	Hq4	Hq5	
0		51.3245	80.8096	81.0634	74.7448	71.30525
1		60.7533	95.5949	88.2247	83.7083	82.0234
2	54.6718	69.4427	100.5499	97.9957	85.9463	85.7206
3	61.8385	69.5673	108.0838	108.4011	107.7630	90.3262
4	64.4942	69.0187	108.7386	112.2124	123.3086	85.75474
5	50.8342	62.6307	102.4984	108.5016	123.0327	89.58618
6	48.7071	63.7073	97.9804	103.2818	114.7811	81.87894
7	38.5439	66.2873	90.8871	101.7061	106.9532	74.7894
8	33.8789	61.9423	74.8933	84.7938	84.0863	66.97518
9	32.8128	60.5385	85.8572	90.8940	71.8341	60.4894
10	32.2866	61.0953	52.8254	83.5944	68.2793	55.47158
11	32.8277	48.2125	60.3857	73.8238	69.0922	53.5948
12	29.2384	38.6345	48.9178	73.2129	68.8804	51.9728
13	17.3782	35.5242	55.7705	79.0478	68.875	50.8798
14	16.988	35.6568	53.9387	75.5345	69.1823	52.1245
15	32.3744	33.1138	31.8521	68.5862	69.723	49.25008
16	21.6763	30.2693	57.3531	71.2676	68.8138	49.93788
17		33.8194		75.4663	52.5874	50.1533
18		34.2811		64.6446	58.6171	48.6788667
19		29.6191		65.4138	58.9677	51.8296
20		31.7718		67.2761	62.759	54.28756667
21		32.426		69.7828	65.7632	58.04833333
22		34.7423		73.1478	69.2367	59.0828
23		41.2187		74.4888	70.4325	62.04733333

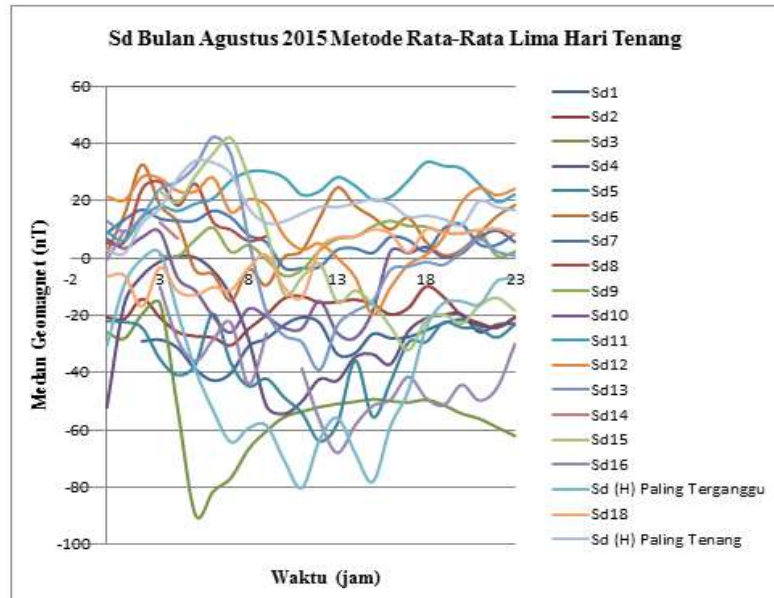
➤ Grafik Hq1 sampai Hq5 Agustus 2015



➤ Data Sd1 sampai Sd (H) Agustus 2015

Waktu (jam)	3	4	5	6	7	8	11	14	16	19	20	23	25	26	27	28	29	30	31	Sd (H) Agustus 2015
Hq1	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15
Hq2	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15	20	25	30	35	40	45
Hq3	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15	20	25
Hq4	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5
Hq5	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15	20	25	30	35

➤ Grafik Sd1 sampai Sd19 Agustus 2015



7.) Bulan September 2015

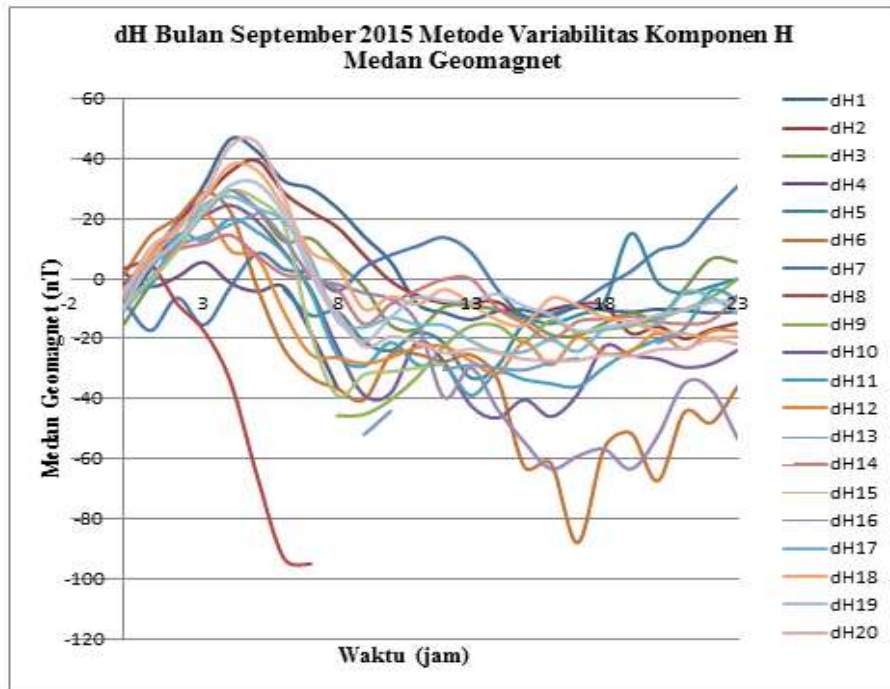
a) Pengolahan Sq (H) dan Sd (H) Metode Variabilitas Komponen H Bulan September 2015 Menggunakan Excel

➤ Data dH1 sampai Sq (H) September 2015

Tanggal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	30/9/2015
1	9.2787	12.124	15.113	1.8938	1.3181	7.2886	3.6282	-1.8473	6.2211	8.1754	-0.4451	8.759	4.9758	-6.7886	4.0382	8.8846	4.2091	4.1268	3.2288	0	0	4.12677947										
2	9.1771	8.1888	-6.8118	-1.8204	14.2211	-17.219	9.7128	7.1119	-1.2178	7.8146	3.1411	4.5177	-4.4822	4.3383	7.1232	1.1609	10.278	3.2084	3.2889	1	6.2888	4.12677947										
3	17.2128	25.7819	11.2183	3.8889	22.2128	4.3499	-8.2121	18.9728	-24.404	17.6239	18.2121	8.7838	9.4454	12.7138	18.2087	11.4349	18.9728	11.2183	3.2889	2	8.12129	11.70712871										
4	31.2712	18.871	11.2899	5.9388	18.917	-15.489	-17.287	21.1218	11.971	11.9718	14.2138	11.7838	11.5121	19.8838	18.458	12.9758	18.2121	18.9746	3.2889	3	9.78879	11.70712871										
5	98.8848	19.8848	19.8873	1.4784	11.2187	1.8487	-9.489	14.8878	10.8188	8.8188	18.1178	15.1121	29.8844	16.2094	17.491	17.9844	11.2899	14.8128	11.2899	4	9.32129	11.70712871										
6	81.427	18.1888	12.9819	-4.2244	-1.1387	3.9314	46.388	16.1791	18.8189	7.1141	15.7421	7.8084	16.4184	15.4084	25.8612	16.271	15.3382	16.1794	16.8484	5	4.27784	17.81181										
7	51.8482	21.4882	13.4791	-17.94	12.181	12.383	5.8127	8.8182	8.8182	-25.388	-24.938	4.112	-27.981	5.8484	8.4827	9.2712	1.6471	9.9894	7.341	6	4.33283	4.12677947										
8	22.948	17.1211	5.9881	-16.488	10.881	18.975	4.128	48.88	-22.138	-25.378	-24.318	8.4898	18.12	-1.2121	-10.388	4.2128	-12.179	11.212	13.412	7	1.78917	-11.70712871										
9	14.1218	7.8821	2.818	-10.884	-40.418	5.5178	48.274	18.888	18.18	18.11	81.978	18.117	21.818	-4.7818	-18.187	18.187	18.881	12.817	14.818	8	1.80938	-17.81181										
10	5.8118	-17.812	-16.488	12.878	18.18	7.884	-40.288	-18.381	-11.218	-16.24	-44.148	4.4381	30.848	-4.7841	-18.087	6.3381	-11.881	14.184	-17.718	9	1.85848	-16.17881778										
11	-8.811	-8.2121	-6.781	17.881	18.181	18.881	11.718	-11.881	-18.881	-12.784	9.778	18.782	-14.781	-18.288	18.881	4.2778	11.12	15.718	10.881	11	1.81188	-12.18177818										
12	-11.271	-8.1474	8.3718	-12.941	-17.814	11.8189	22.481	-17.881	-18.881	-22.884	18.218	18.218	18.218	18.218	18.218	18.218	18.218	18.218	18.218	12	1.81188	-14.4074818										
13	-18.8121	-10.271	8.8121	-10.344	-25.347	8.888	-10.881	-42.121	-18.928	-17.818	-25.781	-10.288	-25.788	-25.788	-25.788	-25.788	-25.788	-25.788	-25.788	13	5.32178	-15.81481788										
14	-18.7121	-7.7888	-10.314	-19.881	-19.812	-1.8888	-18.814	-16.478	-15.288	-10.8121	-19.788	-18.888	-18.888	-18.888	-18.888	-18.888	-18.888	-18.888	-18.888	14	3.87888	-18.17818										
15	-13.888	-19.81	-13.118	-14.818	-12.788	-12.188	10.878	-18.184	-18.888	-11.218	-19.788	-18.888	-18.888	-18.888	-18.888	-18.888	-18.888	-18.888	-18.888	15	3.88888	-18.70487178										
16	-12.184	-18.288	-18.888	-14.847	-11.818	-11.718	-12.888	-18.818	-18.888	-18.718	-17.888	-18.288	-18.288	-18.288	-18.288	-18.288	-18.288	-18.288	-18.288	16	4.08844	-17.2688718										
17	-12.184	-18.288	-18.888	-12.288	-18.888	-18.888	-17.888	-18.888	-18.888	-18.888	-18.888	-18.888	-18.888	-18.888	-18.888	-18.888	-18.888	-18.888	-18.888	17	4.14112	-17.1021888										
18	-18.487	-18.888	-14.788	7.8887	18.312	18.812	18.812	-12.218	-12.218	-18.888	14.81	14.378	18.888	18.888	11.818	-18.888	-18.888	-18.888	-18.888	18	4.02778	-18.2188888										
19	-11.281	-18.281	-11.418	18.2121	11.388	2.8887	-18.71	18.218	-18.718	-18.218	-18.218	-18.218	-18.218	-18.218	-18.218	-18.218	-18.218	-18.218	-18.218	19	4.08812	-14.217112										
20	-18.118	-18.888	-12.887	1.1782	17.871	8.9714	11.384	-18.718	-18.218	-18.218	-11.434	14.811	11.434	11.434	11.434	11.434	11.434	11.434	11.434	20	5.11181	-14.4448888										
21	-18.488	-18.888	-18.888	-4.8881	-14.812	11.3889	18.181	-18.418	-18.418	-18.418	-18.418	-18.418	-18.418	-18.418	-18.418	-18.418	-18.418	-18.418	-18.418	21	5.26712	-18.2188888										
22	-11.488	-18.888	4.887	2.2814	-17.888	21.8881	4.1881	-18.188	-18.888	-17.888	-18.888	-18.888	-18.888	-18.888	-18.888	-18.888	-18.888	-18.888	-18.888	22	6.2211	-17.814788										
23	-18.888	-14.784	4.8887	0	18.888	11.888	0	-18.718	-18.718	-17.474	4.8882	18.888	-11.48	-18.188	-18.812	-12.787	-12.788	-12.788	-12.788	23	8.27871	-6.128787										

➤ Grafik dH1 sampai dH20 September 2015

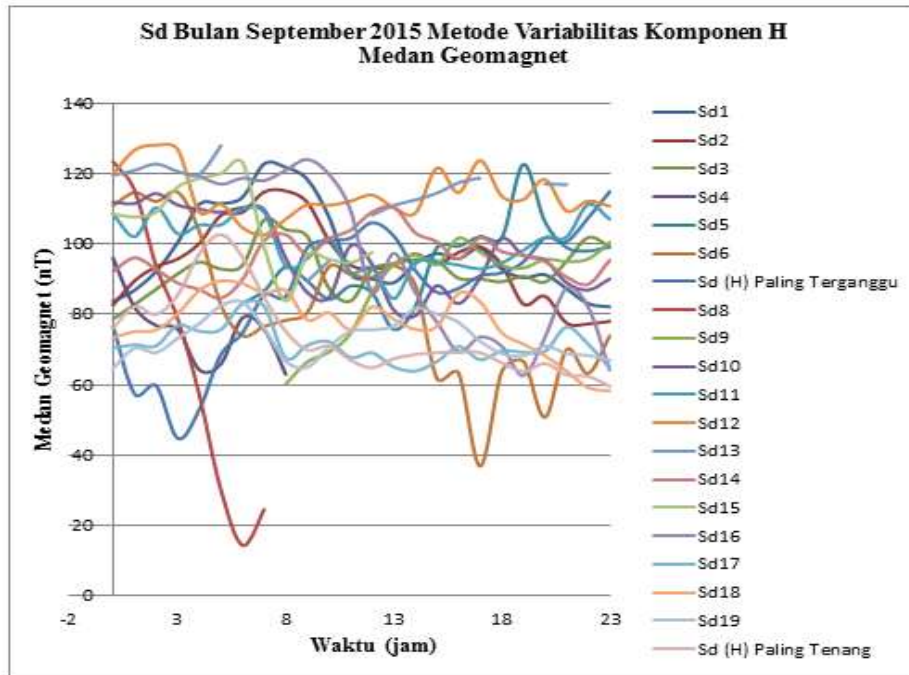




➤ Data Sd1 sampai Sd (H) September 2015

Tanggal	Sd1	Sd2	Sd3	Sd4	Sd5	Sd6	Sd7	Sd8	Sd9	Sd10	Sd11	Sd12	Sd13	Sd14	Sd15	Sd16	Sd17	Sd18	Sd19	Sd20	Sd21	Sd22	Sd23	Sd24	Sd25	Sd26	Sd27	Sd28	Sd29	Sd30		
1	80.70997	80.80001	78.71027	86.28267	81.00000	80.80001	82.52126	80.52000	81.00000	81.00000	81.00000	81.00000	81.00000	81.00000	81.00000	81.00000	81.00000	81.00000	81.00000	81.00000	81.00000	81.00000	81.00000	81.00000	81.00000	81.00000	81.00000	81.00000	81.00000	81.00000	81.00000	81.00000

➤ Grafik Sd1 sampai Sd(H) Paling Tenang September 2015

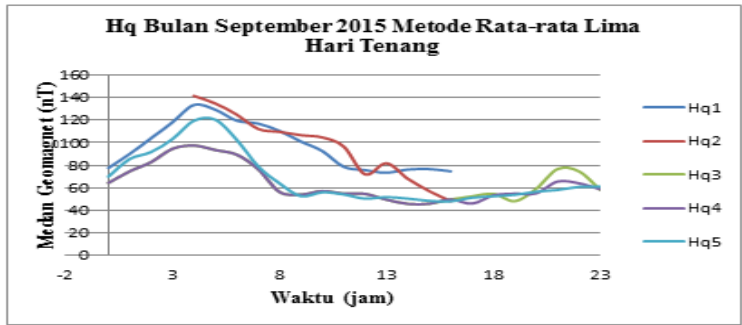


b) Pengolahan Sq (H) dan Sd (H) Metode Rata-Rata Lima Hari Tenang Bulan September 2015 Menggunakan Excel

➤ Data Hq1 sampai Sq (H) September 2015

Tanggal	31-08/08/2015	29-08/09/2015	28-27/08/2015	27-26/08/2015	26-06/09/2015	04/11/September 2015
0	97.8873		84.2882	84.2882	88.9709	88.0286
1	90.1949		74.8831	74.8831	88.8428	82.281
2	104.6277		82.8227	82.8227	81.7404	88.87875
3	102.1457		84.6285	84.6285	102.321	102.15417E
4	103.8457	141.7349	97.5489	87.5489	118.8983	110.08884
5	129.3009	134.9189	92.5551	85.5551	120.9493	114.39006
6	109.8811	128.0821	88.424	88.424	102.8906	109.28884
7	117.110	112.2848	78.6746	78.6746	78.1141	82.88726
8	102.1188	109.8078	86.2676	86.2676	83.8834	78.21246
9	101.1209	106.8078	82.3167	82.3167	82.6478	78.64876
10	81.8881	104.7158	87.0865	87.0865	88.9007	72.47102
11	78.8329	86.7287	84.8082	84.8082	84.8883	87.88088
12	78.702	77.8981	84.8784	84.8784	90.9707	81.42912
13	78.861	81.7787	88.8883	88.8883	81.7888	81.18284
14	76.2828	87.8889	88.8889	88.8889	83.8889	87.27888
15	76.3884	87.8276	88.2448	88.2448	88.2781	84.73288
16	74.6296	88.1117	88.6219	88.6219	87.828	82.9888
17			82.3889	85.9082	82.1888	88.6118333
18			84.8149	82.1847	82.4828	82.4407333
19			88.0870	84.7453	83.8938	82.1888887
20			88.1041	88.0828	88.8288	88.8888
21			78.8889	88.8882	88.0874	88.7828
22			74.8822	88.8844	88.7888	88.4288222
23			88.8828	88.8143	88.8888	88.1788222

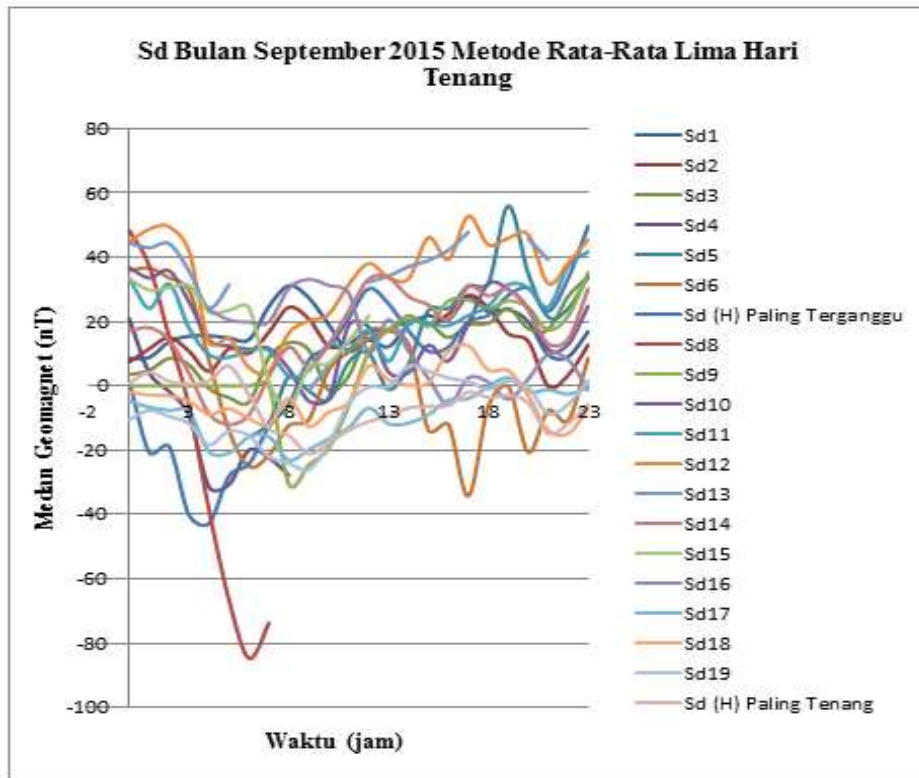
➤ Grafik Hq1 sampai Hq5 September 2015



➤ Data Sd1 sampai Sd (H) September 2015

Waktu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
1	700	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750

➤ Grafik Sd1 sampai Sd20 September 2015



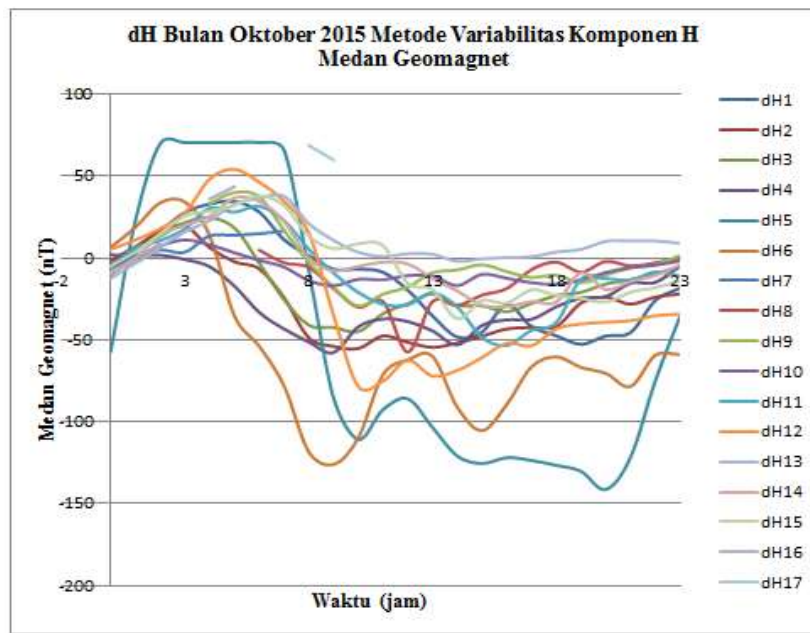
8.) Bulan Oktober 2015

a) Pengolahan Sq (H) dan Sd (H) Metode Variabilitas Komponen H Bulan Oktober 2015 Menggunakan Excel

➤ Data dH1 sampai Sq (H) Oktober 2015

Waktu (jam)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Sd1	48.919	45.519	41.752	37.986	34.220	30.454	26.688	22.922	19.156	15.390	11.624	7.858	4.092	0.326	-3.440	-7.206	-10.972	-14.738	-18.504	-22.270	-26.036	-29.802	-33.568	-37.334	-41.100	-44.866	-48.632	-52.398	-56.164	-59.930	-63.696	-67.462
Sd2	48.919	45.519	41.752	37.986	34.220	30.454	26.688	22.922	19.156	15.390	11.624	7.858	4.092	0.326	-3.440	-7.206	-10.972	-14.738	-18.504	-22.270	-26.036	-29.802	-33.568	-37.334	-41.100	-44.866	-48.632	-52.398	-56.164	-59.930	-63.696	-67.462

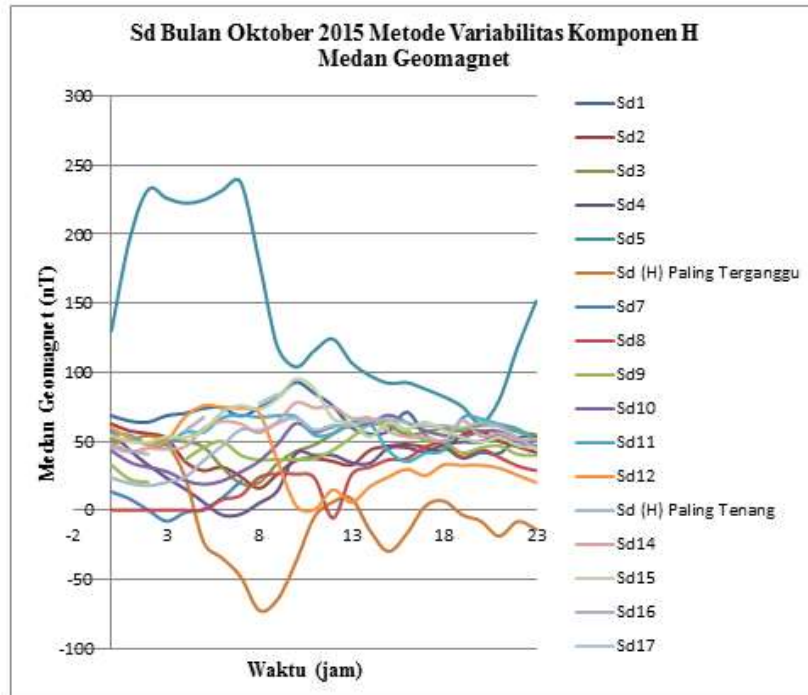
➤ Grafik dH1 sampai dH17 September 2015



➤ Data Sd1 sampai Sd (H) Oktober 2015

Tanggal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
01/10/2015	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

➤ Grafik Sd1 sampai Sd(H) Paling Tenang Oktober 2015

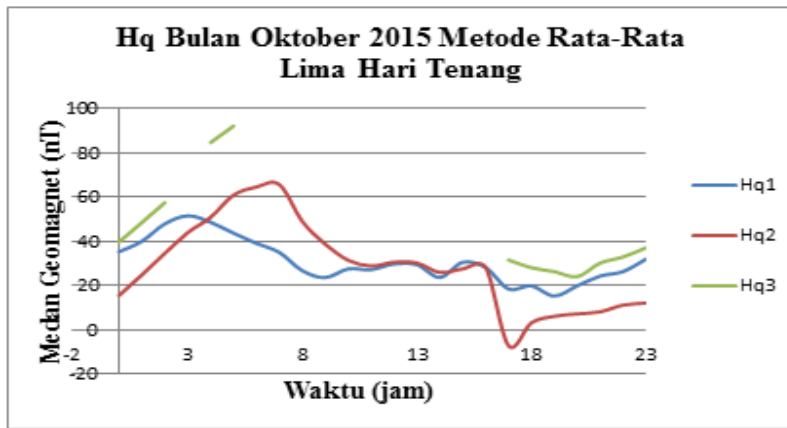


b) Pengolahan Sq (H) dan Sd (H) Metode Rata-Rata Lima Hari Tenang Bulan Oktober 2015 Menggunakan Excel

➤ Data Hq1 sampai Sq (H) Oktober 2015

Tanggal	10-01/10/2015	10-02/10/2015 LT	10-03/10/2015	Sq (H) Oktober 2015
0	46.8306	16.5768	48.7618	40.21000007
1	46.0779	24.8724	48.8808	37.8430
2	47.86	30.8772	47.9824	48.8762
3	51.5866	43.9482		47.37062
4	48.8771	50.8277	46.7172	41.44300007
5	44.7701	40.8808	46.1708	40.8142
6	33.121	34.8206		31.8708
7	46.0478	49.7487		40.888
8	38.7726	49.0702		37.9214
9	29.8827	38.7814		31.2174
10	27.5488	31.5287		26.5421
11	27.5348	28.8844		26.1848
12	29.8828	30.8686		30.2089
13	29.4784	30.5048		29.8915
14	34.7846	29.8472		33.82038
15	30.5514	27.5888		29.27
16	28.1748	28.2782		28.22025
17	18.8891	-7.1884	21.8888	14.21280009
18	18.881	3.1875	18.1288	17.88433333
19	18.2882	6.2827	18.3828	18.88680008
20	18.0343	7.2431	18.0034	17.88093333
21	18.8841	8.1889	18.2284	20.8888
22	18.8877	11.215	22.8888	21.11443333
23	32.0302	12.151	37.1372	27.88888887

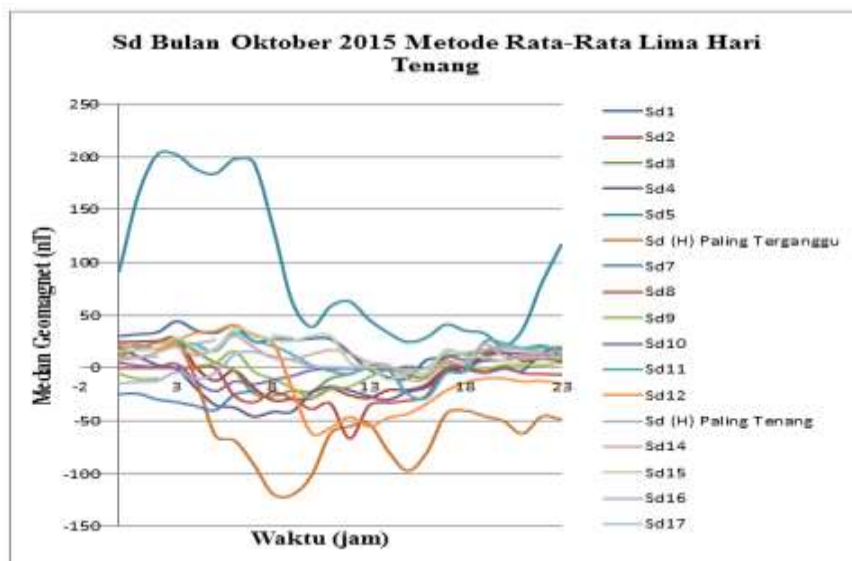
➤ Grafik Hq1 sampai Hq3 Oktober 2015



➤ Data Sd1 sampai Sd (H) Oktober 2015

Tanggal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
0	90.8101	24.4092	10.8212	19.6125	91.7517	75.8228	-24.8117	0	-5.4179	5.10213	17.5117	21.5741	-14.8495	7.82919	16.1029	5.94909									34.87994467
1	32.042	24.0030	18.1910	10.8099	104.24	24.208	-24.001	0	-10.1008	2.234	21.8255	19.0801	-12.975	9.7881	16.9071	10.7372									20.15068807
2	33.4964	27.0711	19.0694	2.8813	203.486	24.2352	-29.4068	0	-8.8161	1.2664	17.3975	17.7298	-12.996	15.0386	19.3046	10.8293									22.54986
3	46.2799	27.8547	19.0694	-0.5125	201.878	25.8298	-32.248	0		5.82096	25.4779	26.2212	-8.8209	19.9946	28.8717										29.55059558
4	38.8207	0.85525	15.5245	-18.984	188.192	-10.018	-35.905	0	2.25213	-12.794	22.4628	35.3055	10.512	12.72	18.2586	23.2705									17.50850667
5	20.1837	-51.846	5.2017	-54.992	184.081	20.87	-39.839	0	4.73984	-21.909	15.8696	35.055	-8.8559	18.7716	17.5117	26.9436									10.90170467
6	40.4137	-1.9846	-2.8984	-97.812	187.824	90.902	-29.088	26.189	15.888	-12.79	33.1472	40.9251	22.7999	30.4734	37.2212										15.58946
7	20.0811	-18.711	-23.307	-49.962	194.744	91.225	-21.946	-32.436	-5.1818	-13.346	25.873	30.7409	20.2467	19.5941	31.7137										6.12976
8	17.6898	-10.874	19.486	-41.409	191.836	-120.21		12.79	-10.118	-11.149	30.8734	23.9121	21.2498	9.63	26.6495								30.9695		1.521106467
9	38.1228	-28.29	-21.37	-41.218	82.6187	-120.22		-25.023	-18.709	-7.9744	12.0499	-19.82	2.2944	8.6497	25.5209								29.8887		2.840218328
10	17.8791	-18.861	-12.258	13.737	98.8029	-102.08		-36.798	-18.46	-1.8796	2.8712	61.157	-1.8796	13.0401	32.2413										-1.79493286
11	17.4988	-19.745	8.7883	-17.947	98.0399	-82.08		-33.876	-18.761	-8.8288	1.8754	-56.784	-8.8288	17.0302	35.4832										-8.394018571
12	14.4057	-25.720	-5.8998	-21.227	81.8884	-89.232		-66.795	-17.257	-8.4009	-6.4112	-46.305	-8.4009	15.8459	5.5550										-10.55183971
13	-1.8439	-18.911	0.8996	-18.494	81.7872	-65.793		-35.825	-8.8213	-8.4121	2.3089	-55.564	-8.4121	5.2719	1.847										-10.84438571
14	8.8543	10.789	1.4257	30.079	81.9397	-98.798		-31.879	1.7599	-1.1199	1.4182	-47.006	1.32889	1.7795	18.829										-14.12089571
15	-10.088	10.884	-0.0257	-21.489	84.0064	-87.252		-30.888	-8.8281	2.4818	-24.237	-49.418	-1.8888	-10.294	3.8821										-17.68867887
16	7.59979	-18.841	8.7759	-18.199	16.846	90.989		-24.096	-4.171	-6.0494	-18.194	-68.773	-0.96909	-11.8	-4.7811										-18.9722867
17	7.88017	-0.8423	10.1707	-4.0283	81.2381	-85.525		-0.3096	4.18427	11.1781	0.0288	-21.471	16.4359	6.75227	17.287										2.89772361
18	-0.2307	-8.014	12.3408	18.7827	26.4478	-82.545		1.27167	2.81857	7.88547	1.8916	-13.881	16.5386	2.79877	11.0444										2.082205238
19	-4.4209	11.9927	25.4201	7.25917	32.8978	-82.518		-0.7277	-0.8400	11.1499	24.7889	-9.7457	15.4257	22.7881	10.4161										6.471988909
20	-0.472	14.8072	19.2758	7.18187	30.7024	90.518		1.88087	1.84337	14.8276	23.7949	-8.8478	11.1254	11.9952	7.00447										5.890018887
21	-1.1839	8.8187	18.0404	11.4637	36.188	-85.388		-8.9151	5.4372	13.7969	18.0746	-12.747	15.5424	12.5426	8.1096										4.750707143
22	14.756	8.59187	19.3481	9.38227	80.7028	-85.754		-9.5718	2.89227	12.8099	21.4059	-12.299	16.9986	15.4095	9.44817										10.27698867
23	18.751	0.80485	19.7549	15.8901	116.46	-88.81		-8.2053	4.81075	-11.8798	15.1081	-14.848	8.87503	16.5837	10.0237										12.55178330

➤ Grafik Sd1 sampai Sd17 Oktober 2015

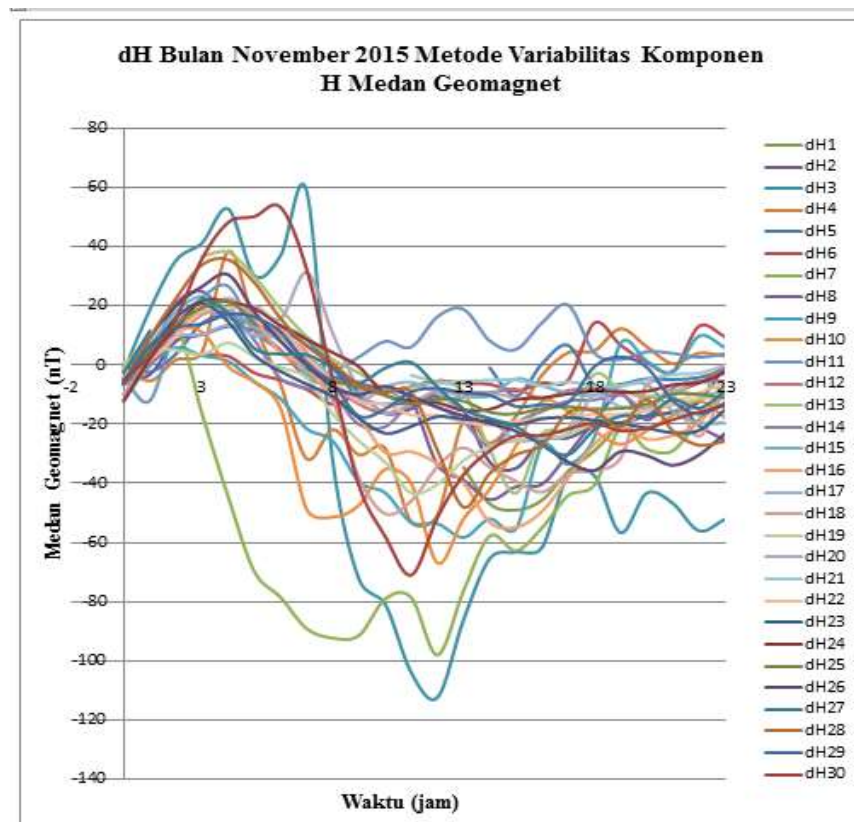


## 9.) Bulan November 2015

## a) Pengolahan Sq (H) dan Sd (H) Metode Variabilitas Komponen H Bulan November 2015 Menggunakan Excel

## ➤ Data dH1 sampai Sq (H) November 2015

## ➤ Grafik dH1 sampai dH30 November 2015

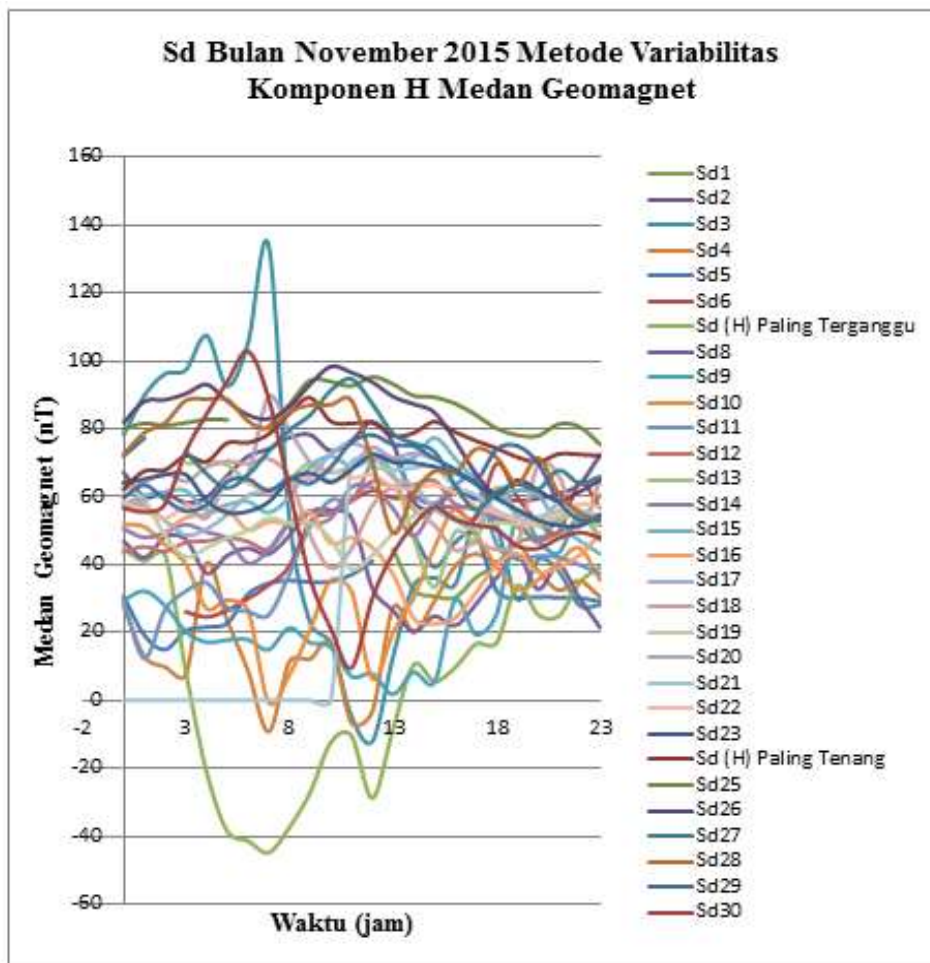




➤ Data Sd1 sampai Sd (H) November 2015



➤ Grafik Sd1 sampai Sd(H) November 2015

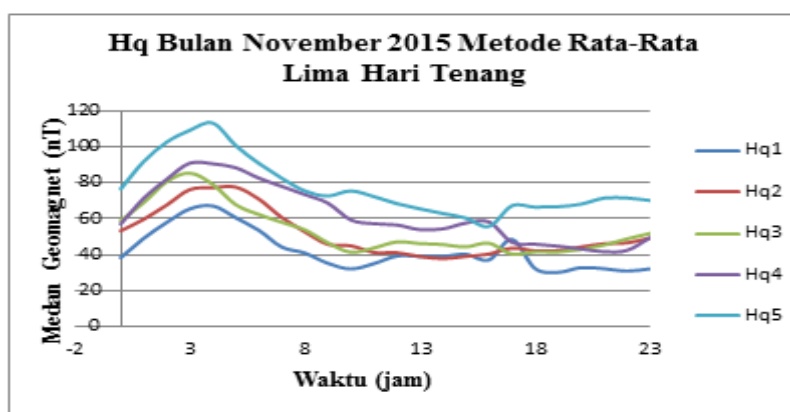


b) Pengolahan Sq (H) dan Sd (H) Metode Rata-Rata Lima Hari Tenang Bulan November 2015 Menggunakan Excel

➤ Data Hq1 sampai Sq (H) November 2015

Tanggal	11-11/2015	12-11/2015	13-11/2015	14-11/2015	15-11/2015	Hq11-November 2015
1	58.2748	58.2828	58.2878	57.1012	76.8468	58.0844
2	59.2124	58.7524	58.9774	71.4324	81.8974	66.2274
3	58.9324	57.7424	69.8924	69.6924	101.5748	76.8224
4	60.4928	78.0812	66.4748	69.8888	108.1812	85.9672
5	67.3728	77.6128	78.1272	89.6812	112.6188	88.5172
6	68.9768	77.4724	87.4778	88.4928	109.7472	78.0872
7	81.8928	78.8728	87.6828	89.8828	94.8767	72.0874
8	64.2488	80.712	88.0012	98.0078	81.8808	84.7512
9	66.9572	82.6127	89.8882	78.6123	78.9128	88.9128
10	71.2124	88.7814	88.6078	88.7884	72.7284	83.8278
11	71.2284	88.6924	81.4882	89.8812	71.8188	86.7984
12	71.8227	81.2724	87.7972	87.3227	71.2208	86.8472
13	79.2827	81.2277	87.1882	86.6812	68.4988	105.1888
14	88.0824	89.0814	94.2072	89.7128	68.6988	88.1882
15	88.1824	87.8828	88.6812	88.8888	61.8784	78.0888
16	88.2824	88.6827	84.8828	87.8812	88.8884	88.1828
17	87.8828	88.8828	88.8812	88.8888	88.7888	87.8888
18	88.6824	88.8828	88.8888	88.8888	88.8888	88.8888
19	88.8824	88.8828	88.8812	88.7888	88.7888	88.8888
20	88.8828	88.8828	88.8812	88.7888	88.7888	88.8888
21	88.8828	88.8828	88.8812	88.7888	88.7888	88.8888
22	88.8828	88.8828	88.8812	88.7888	88.7888	88.8888
23	88.8828	88.8828	88.8812	88.7888	88.7888	88.8888

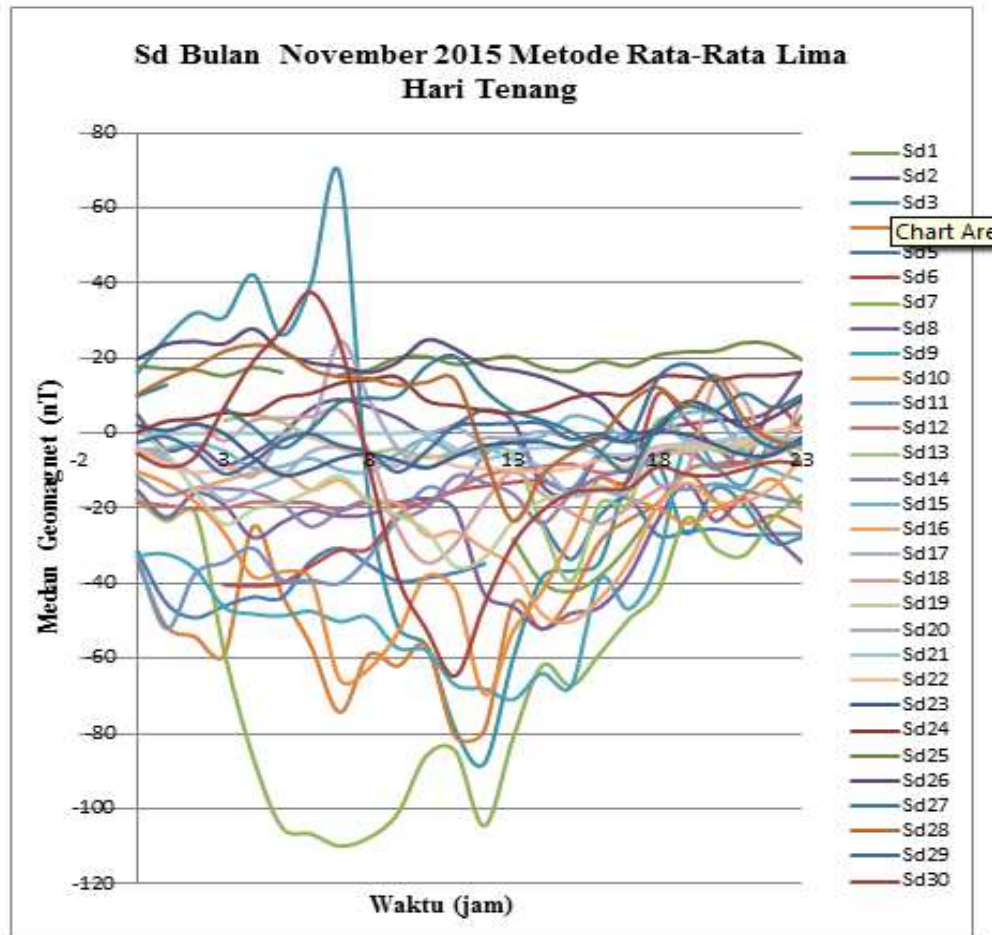
➤ Grafik Hq1 sampai Hq5 November 2015



➤ Data Sd1 sampai Sd (H) November 2015

Tanggal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Sd11-November 2015		
1	3.354	3.674	3.653	3.651	3.644	3.674	3.674	3.674	3.674	3.674	3.674	3.674	3.674	3.674	3.674	3.674	3.674	3.674	3.674	3.674	3.674	3.674	3.674	3.674	3.674	3.674	3.674	3.674	3.674	3.674	3.674	3.674	-4.88211425	
2	4.471	3.8	3.8	3.8	4.517	5.077	5.138	5.138	5.138	5.138	5.138	5.138	5.138	5.138	5.138	5.138	5.138	5.138	5.138	5.138	5.138	5.138	5.138	5.138	5.138	5.138	5.138	5.138	5.138	5.138	5.138	5.138	5.138	-8.46708657
3	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	3.287	-8.9388875

- Grafik Sd1 sampai Sd30 November 2015



#### 10.) Bulan Desember 2015

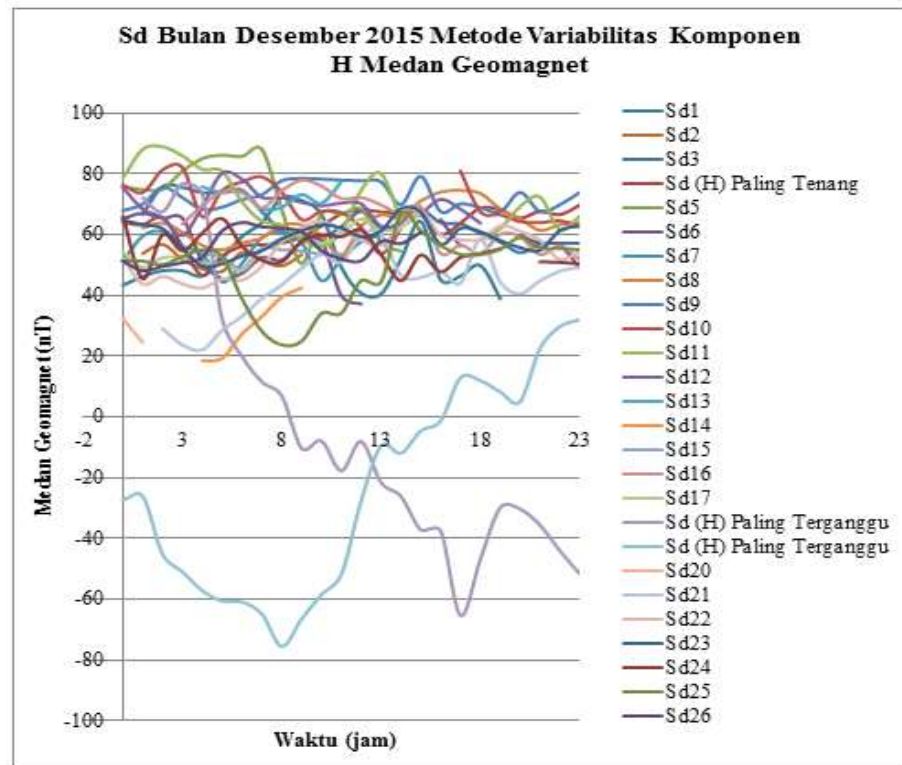
- Pengolahan Sq (H) dan Sd (H) Metode Variabilitas Komponen H Bulan Desember 2015 Menggunakan Excel

- Data dH1 sampai Sq (H) Desember 2015



Waktu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50										
05:00	190	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250
05:05	190	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250

➤ Grafik Sd1 sampai Sd(H) Desember 2015

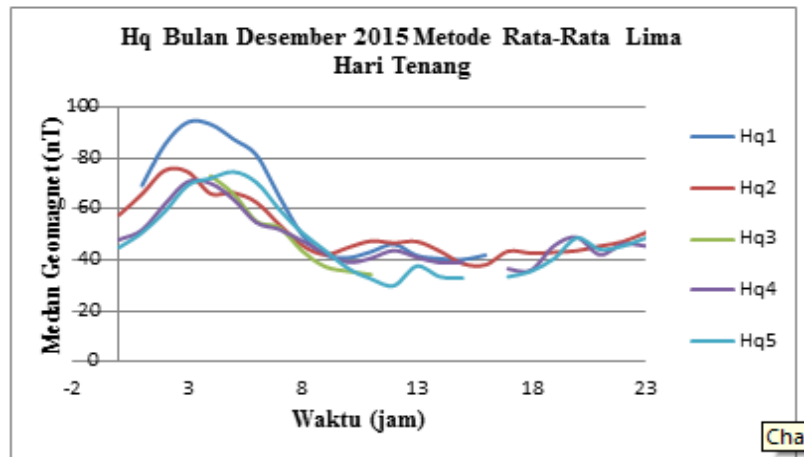


b) Pengolahan Sq (H) dan Sd (H) Metode Rata-Rata Lima Hari Tenang Bulan Desember 2015 Menggunakan Excel

➤ Data Hq1 sampai Sq (H) Desember 2015

Tanggal	3-01/12/2015	04-02/12/2015	10-06/12/2015	17-18/12/2015	27-28/12/2015	Sd(H) Desember 2015
1	66	57.842	66	47.8923	44.9923	50.24893333
2	69.181	65.8477	69	54.7512	50.4673	58.84653
3	65.2858	70.1287	68.8938	61.8962	58.8857	67.47823
4	64.8442	74.6827	70.688	70.688	68.2621	71.52623
5	62.2703	82.9483	72.9023	69.2848	72.8889	74.82294
6	67.8171	66.8960	66.8910	64.4423	74.8122	71.50999
7	62.0202	62.3095	62.2234	54.822	70.2078	64.72089
8	62.7764	59.8975	62.9482	62.8819	58.7981	58.48123
9	68.754	49.721	48.4782	47.3701	58.2209	47.38704
10	42.9869	42.0791	37.8722	42.7344	49.4828	41.5432
11	40.8923	44.2287	32.5402	39.2489	38.9412	38.33288
12	42.2864	47.378	34.2489	40.841	32.9443	39.4973
13	46.2142	46.0382	40.8887	35.881	41.2708	41.2708
14	42.7908	47.3818	42.0742	37.2289	41.87823	41.87823
15	46.217	43.4753	38.9021	33.4228	38.37651	38.37651
16	40.2384	38.3488	39.8917	32.8389	37.8389	37.8389
17	41.843	38.8883	38.8883	38.8383	38.8383	38.8383
18	42.485	42.485	38.487	33.9449	37.7425	37.7425
19	42.4252	42.4252	38.4402	35.4347	38.0344627	38.0344627
20	42.8705	42.8705	40.2349	40.2376	40.2376	40.2376
21	43.6768	43.6768	48.8297	48.8888	48.8888	48.8888222
22	45.4076	45.4076	42.2349	44.234	42.8388222	42.8388222
23	47.1247	47.1247	46.1781	45.4363	46.2488222	46.2488222
24	50.7286	50.7286	45.4298	48.3748	48.3447222	48.3447222

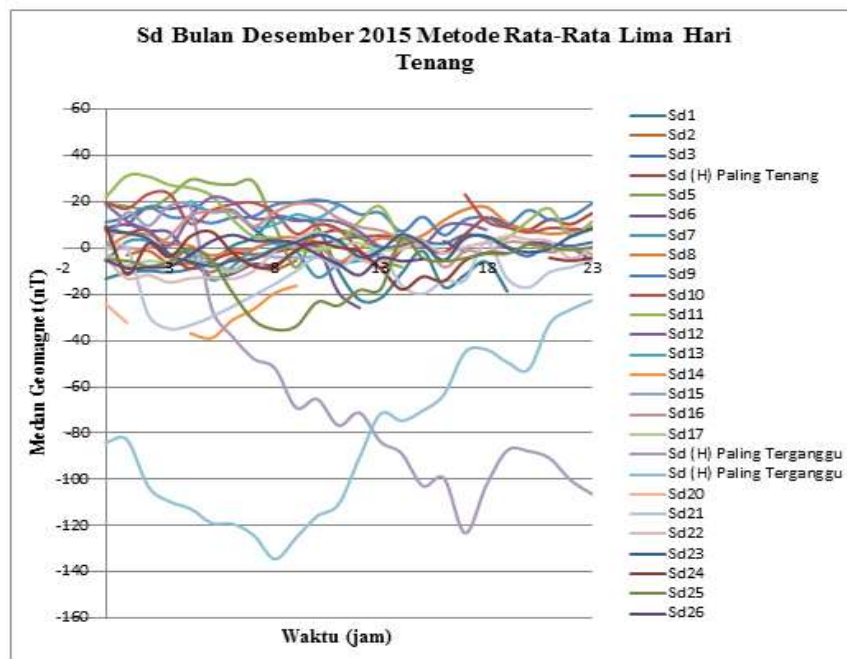
➤ Grafik Hq1 sampai Hq5 Desember 2015



➤ Data Sd1 sampai Sd (H) Desember 2015

Stasiun	Waktu	Sd1	Sd2	Sd3	Sd4	Sd5	Sd6	Sd7	Sd8	Sd9	Sd10	Sd11	Sd12	Sd13	Sd14	Sd15	Sd16	Sd17	Sd18	Sd19	Sd20	Sd21	Sd22	Sd23	Sd24	Sd25	Sd26	Sd27	Sd28	Sd29	Sd30	
44.0013	0	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284	58.2284

➤ Grafik Sd1 sampai Sd30 Desember 2015

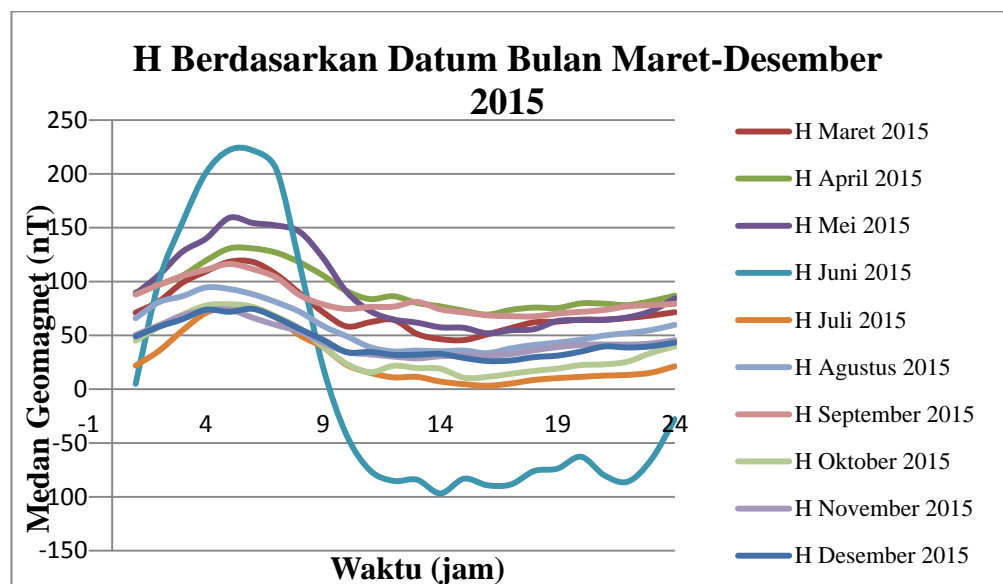




## Lampiran 2

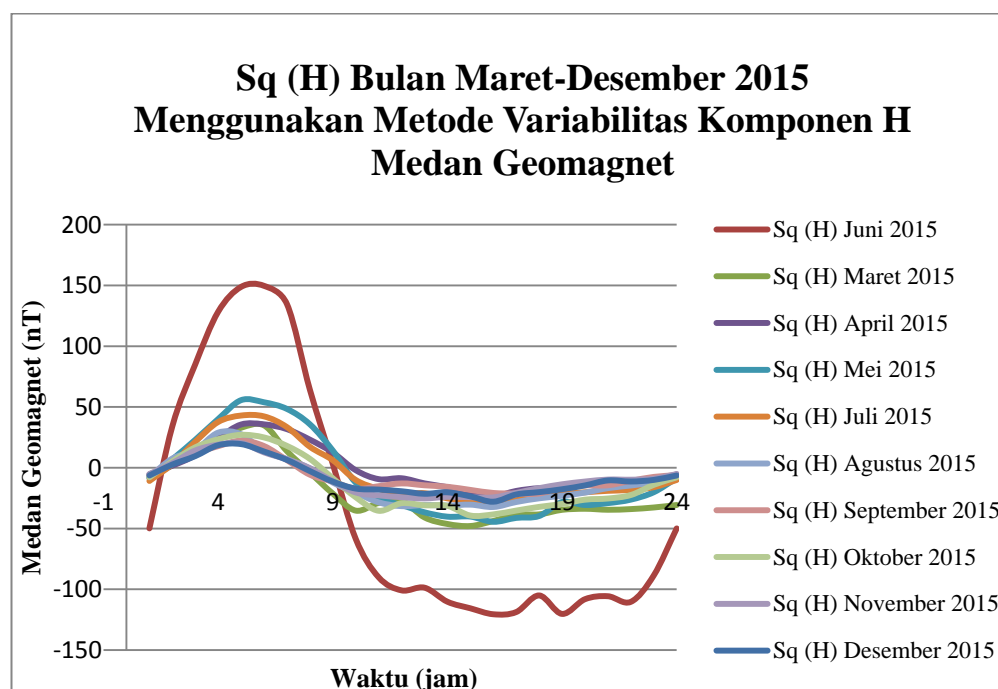
### 1. Data Bulan Maret-Desember 2015 BPAA Sumedang

Datum Gabungan dari Bulan Maret-Desember 2015 BPAA Sumedang



### 2. Sq (H) Gabungan Bulan Maret-Desember 2015

a). Sq (H) Gabungan dari Bulan Maret-Desember 2015 menggunakan Metode Variabilitas Komponen Medan Geomagnet

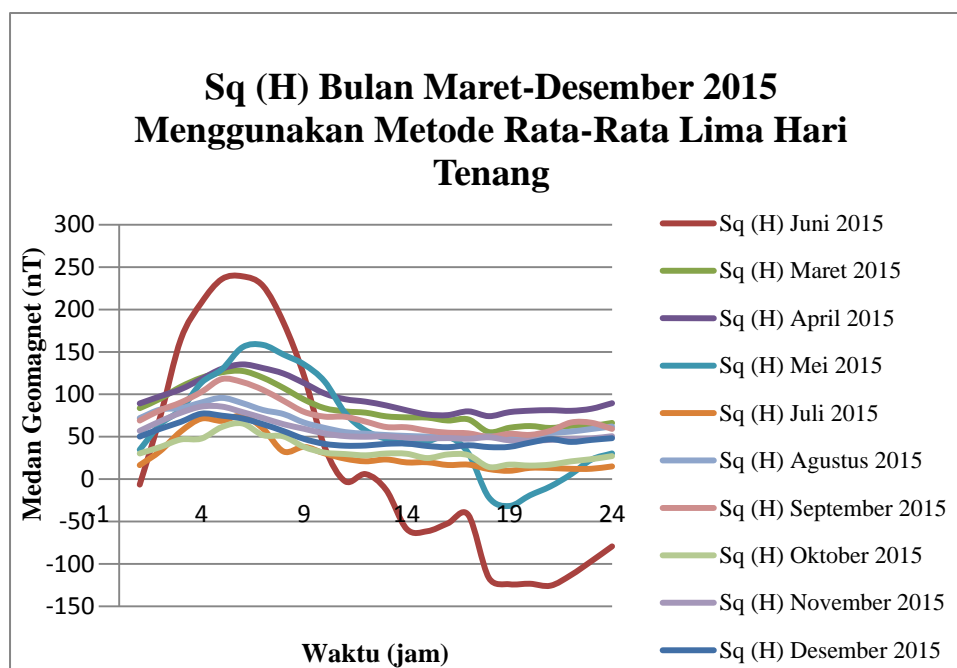


Mujahidin, 2016

VARIABILITAS KOMPONEN H MEDAN GEOMAGNET DI BALAI PENGAMATAN ANTARIKSA  
ATMOSFER SUMEDANG

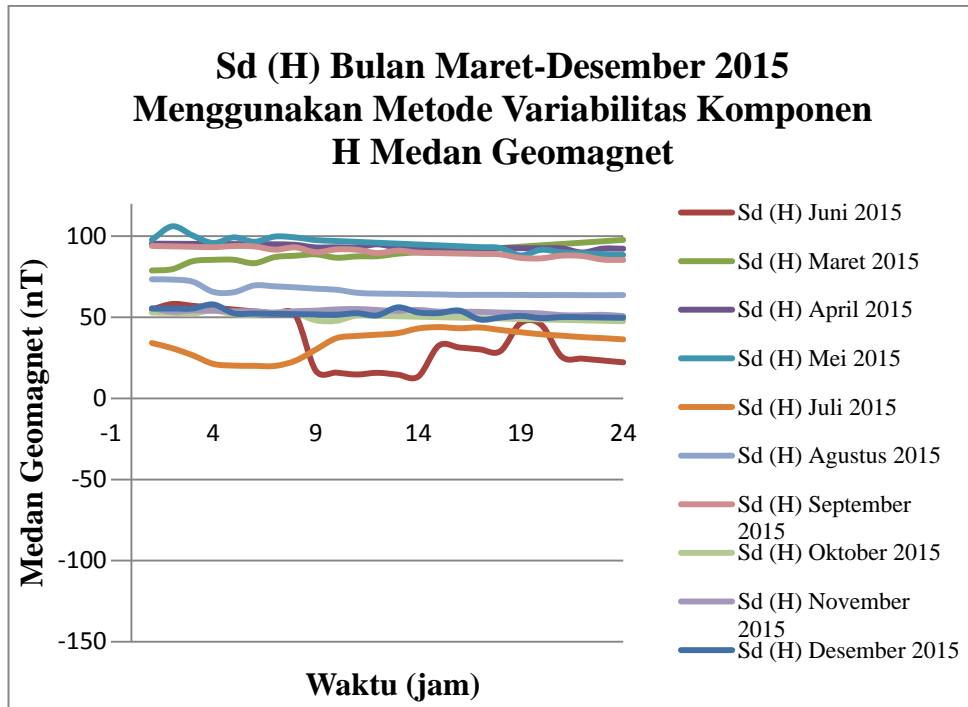
Universitas Pendidikan Indonesia | repository.upi.edu | perpustakaan.upi.edu

- b). Sq (H) Gabungan dari Bulan Maret-Desember 2015 menggunakan Metode Rata-Rata Lima Hari Tenang

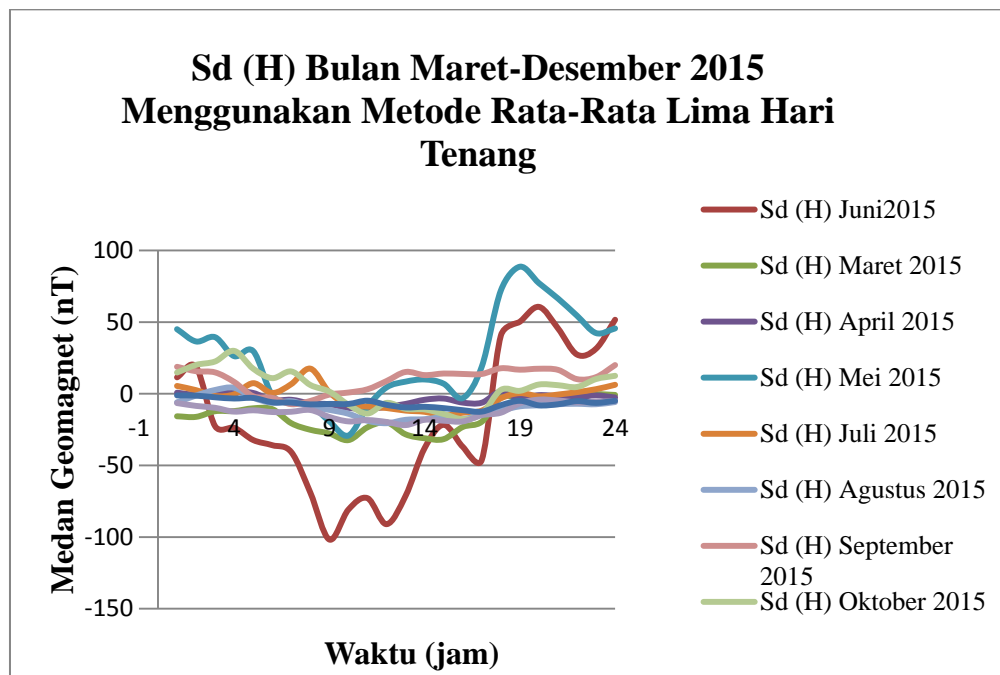


### 3. Sd (H) Gabungan Bulan Maret-Desember 2015

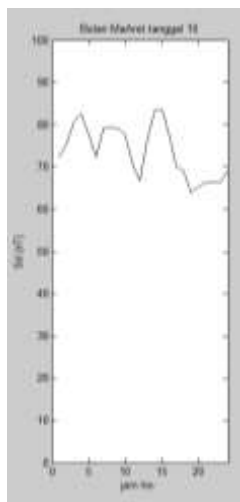
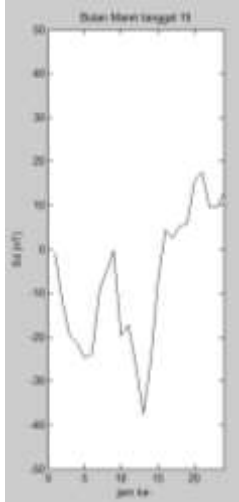
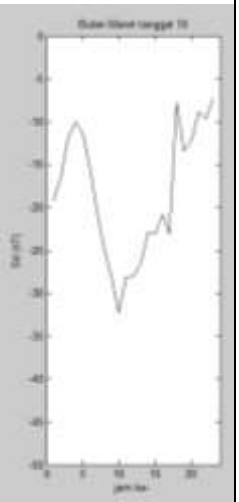
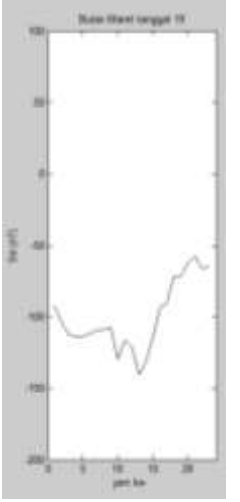
- a). Sd (H) Gabungan dari Bulan Maret-Desember 2015 menggunakan Metode Variabilitas Komponen H Medan Geomagnet

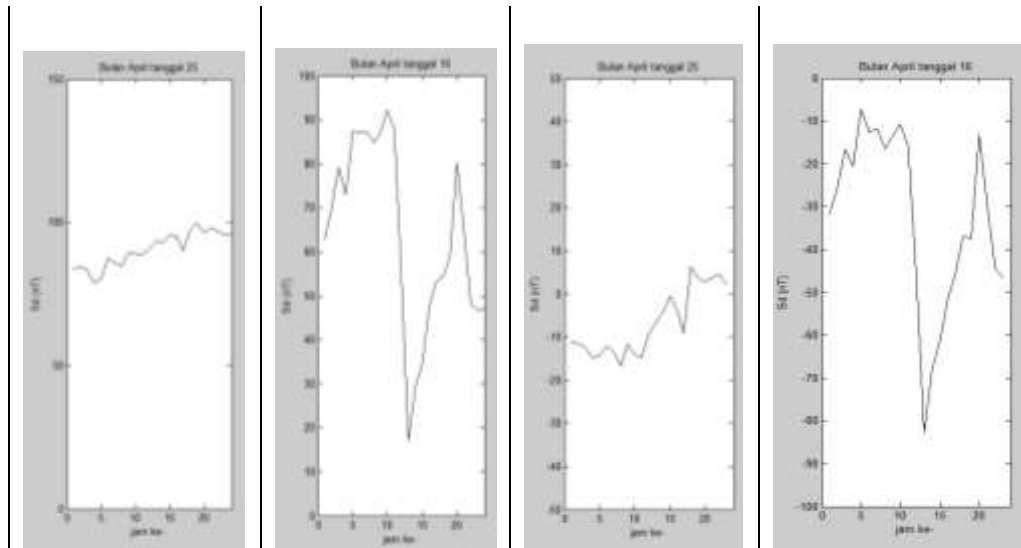


b). Sd (H) Gabungan dari Bulan Maret-Desember 2015 menggunakan Metode Rata-Rata Lima Hari Tenang

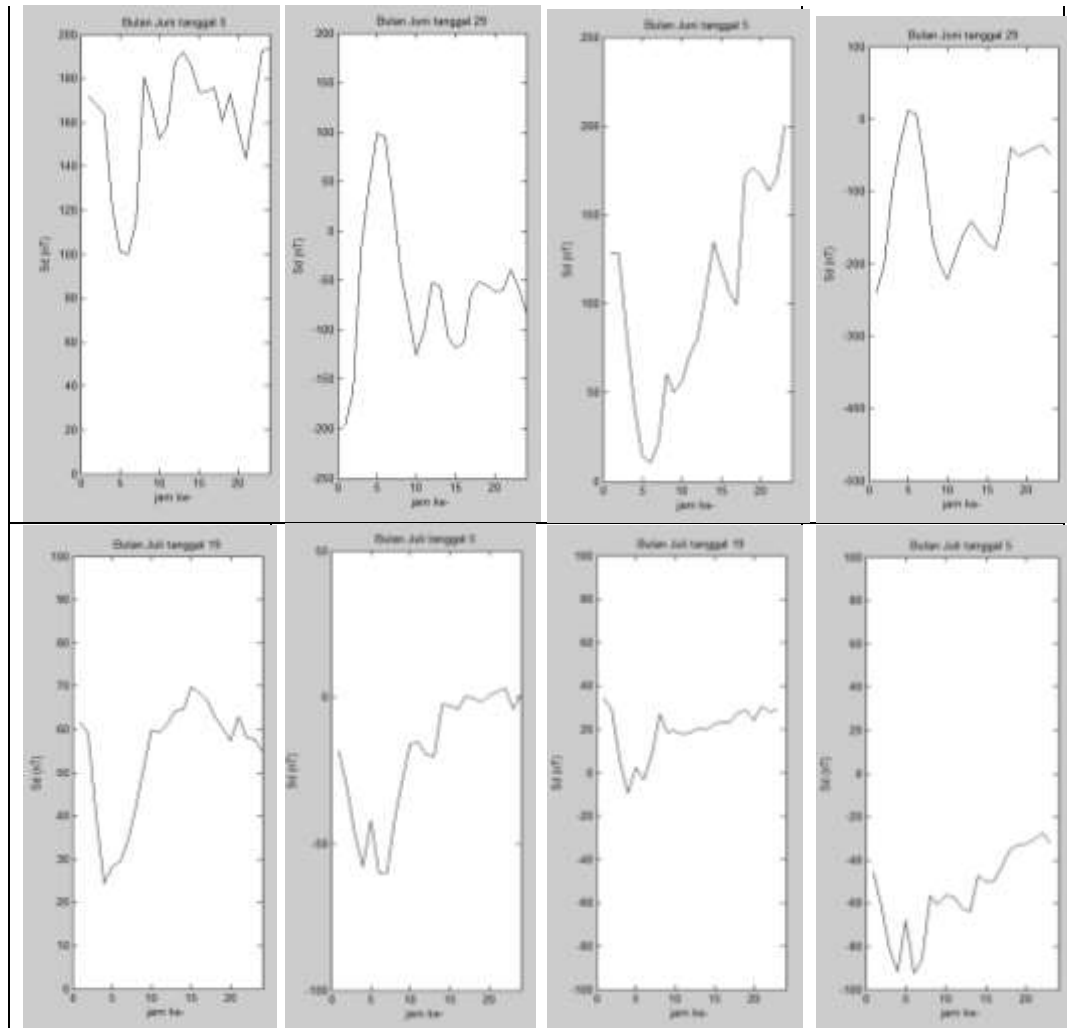


**4. Plot interpretasi Grafik Sd (H) Hari-Hari saat Badai Geomagnet (Stormy Day) dan saat Hari Tenang (Quietest Day) menggunakan Matlab Bulan R2013a Maret-Desember 2015 Berdasarkan Indeks Dst Tahun 2015**

Hasil Perhitungan Sd (H) Kedua Metode			
Metode Variabilitas Komponen H Medan Geomagnet		Metode Rata-Rata Lima Hari Tenang	
Sd (H) Saat Tenang	Sd (H) Saat Terganggu	Sd (H) Saat Tenang	Sd (H) Saat Terganggu
			

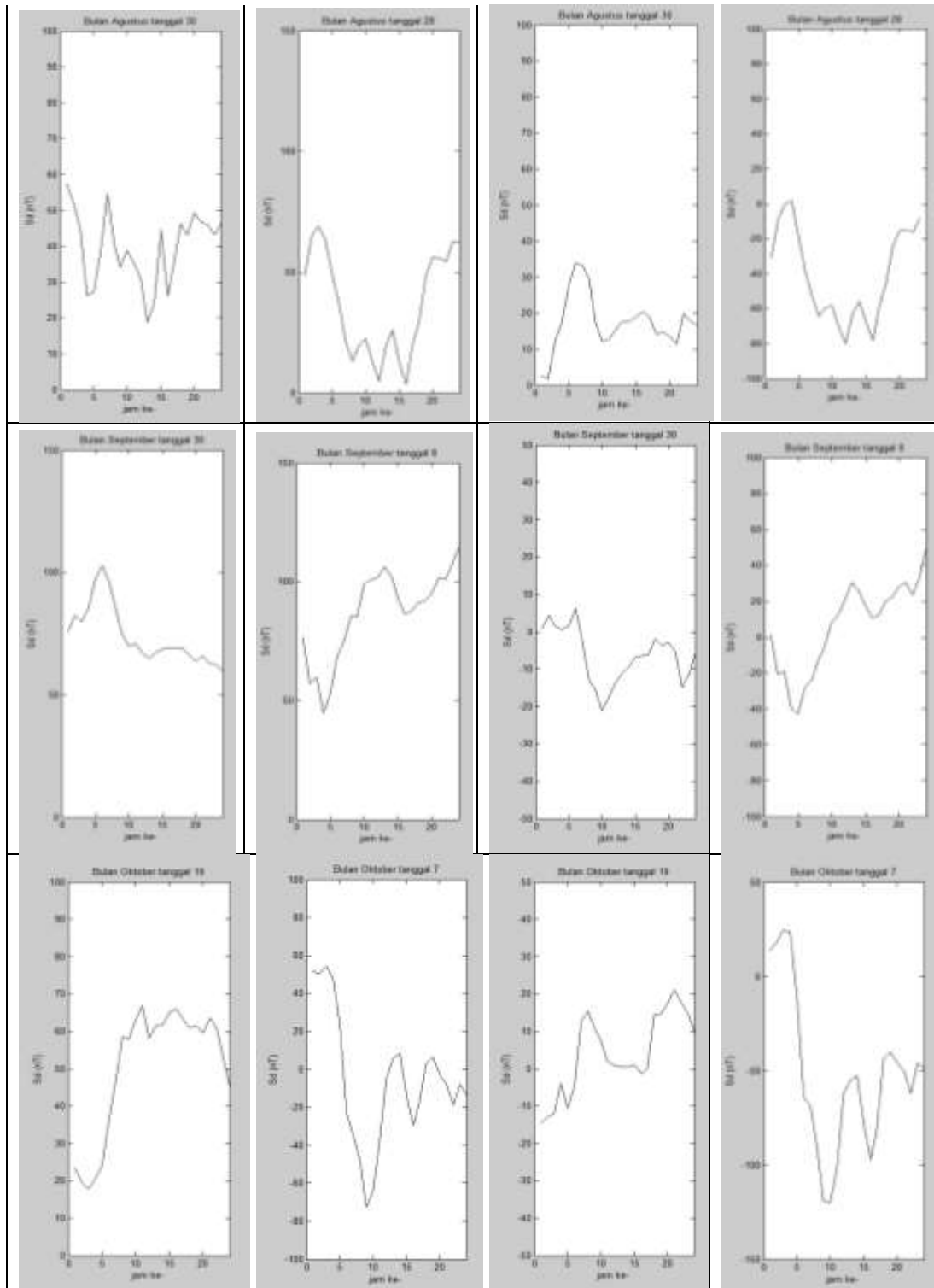


Hasil Perhitungan Sd (H) kedua Metode			
Metode Variabilitas Komponen H Medan Geomagnet		Metode Variabilitas Komponen H Medan Geomagnet	
Sd (H) Saat Tenang	Sd (H) Saat Tenang	Sd (H) Saat Tenang	Sd (H) Saat Tenang

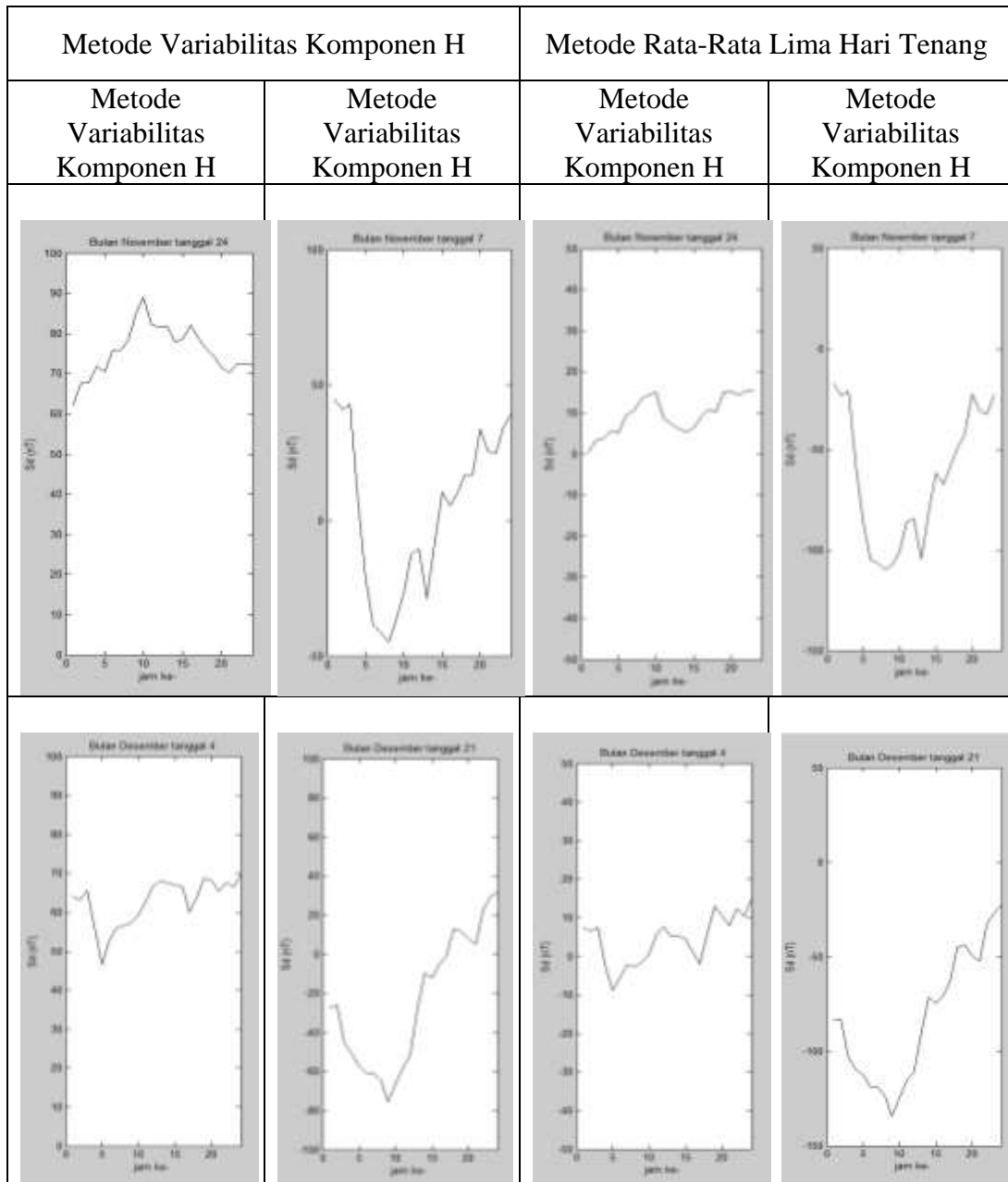


### Hasil Perhitungan Sd (H) kedua Metode

Metode Variabilitas Komponen H Medan Geomagnet		Metode Variabilitas Komponen H Medan Geomagnet	
Sd (H) Saat Tenang	Sd (H) Saat Tenang	Sd (H) Saat Tenang	Sd (H) Saat Tenang



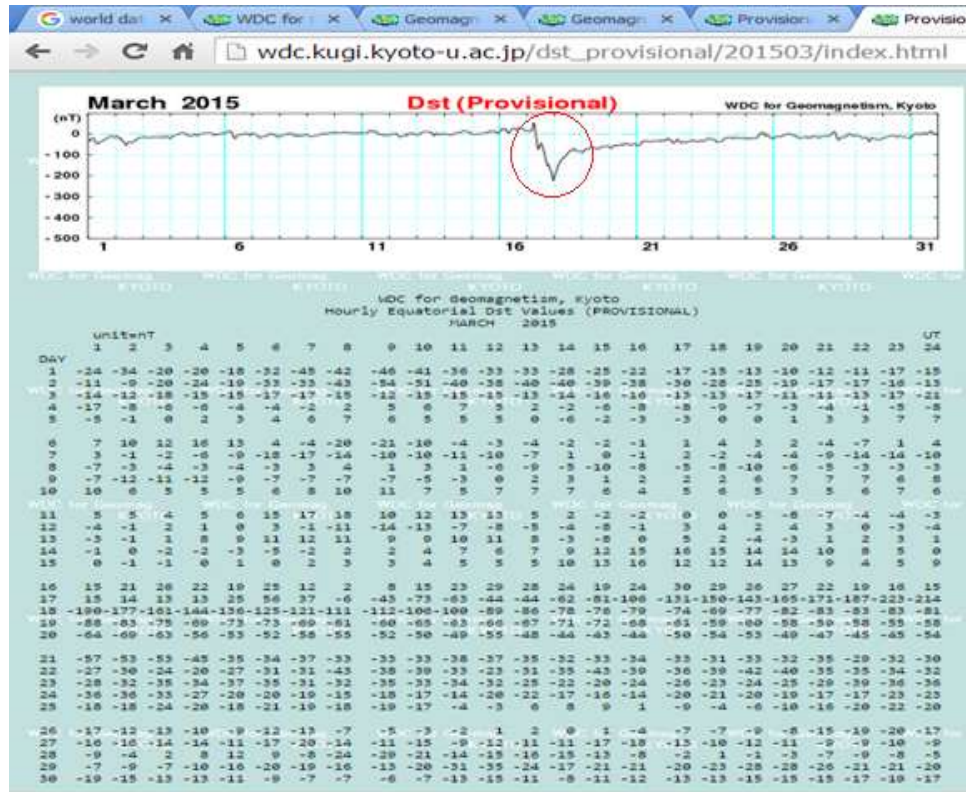
### Hasil Perhitungan $S_d$ (H) Kedua Metode



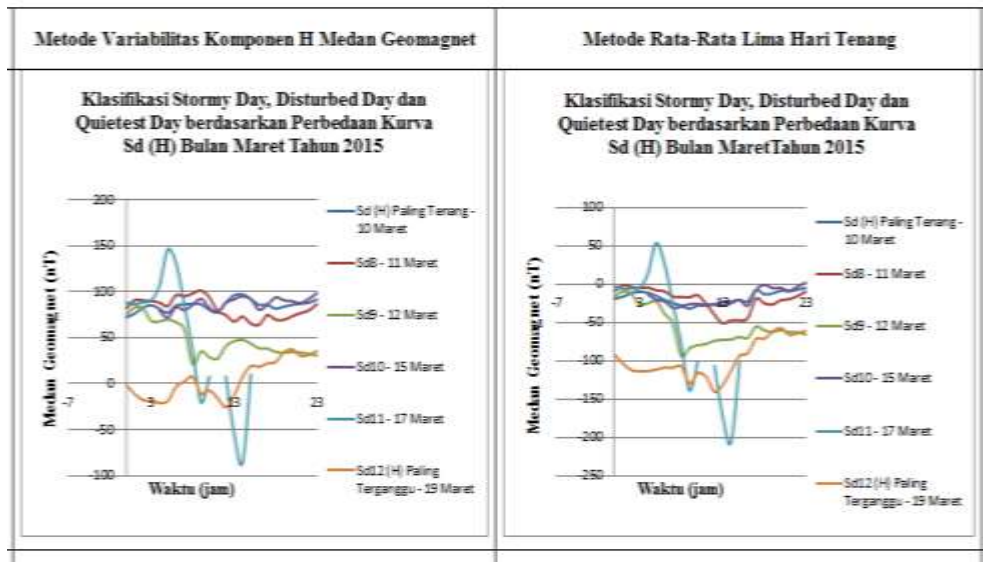
**5. Perbandingan Kesesuaian Hasil Plot Grafik Hari-Hari saat Stormy Day dan Quietest Day dan saat diantara Keduanya, Disturbed Day Menggunakan Excel dengan Data Indeks Dst Bulan Maret-Desember 2015**



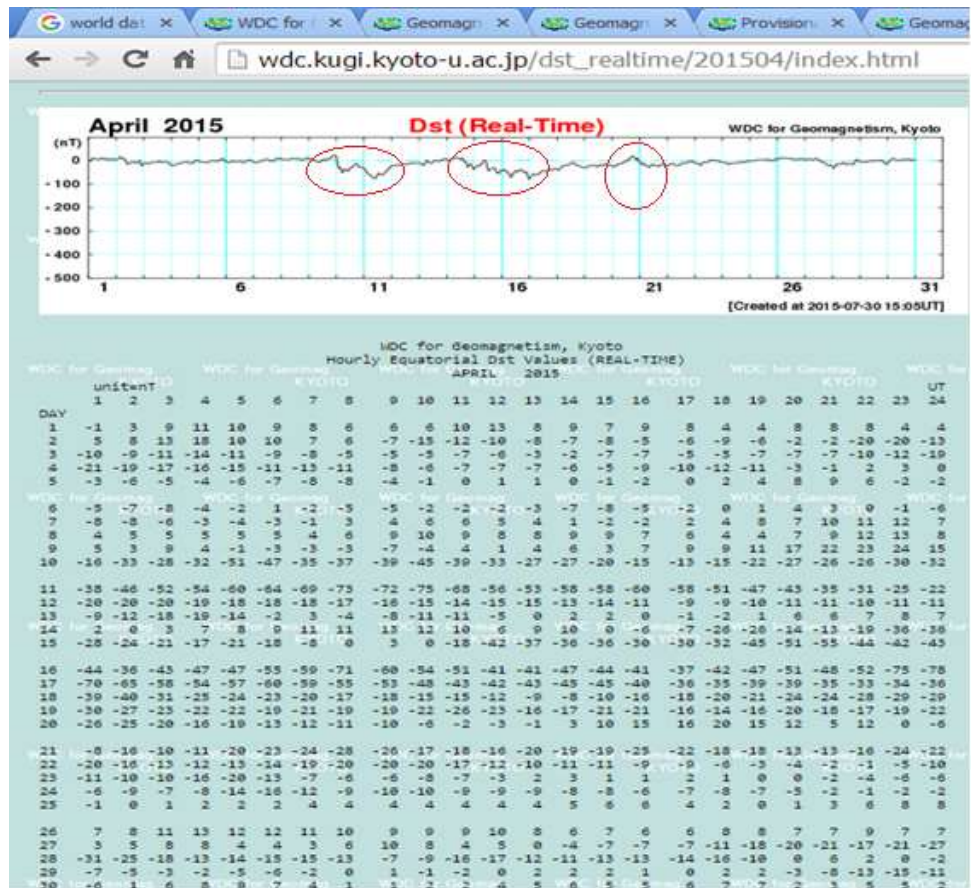
- a) Bulan Maret 2015
  - Indeks Dst Bulan Maret 2015



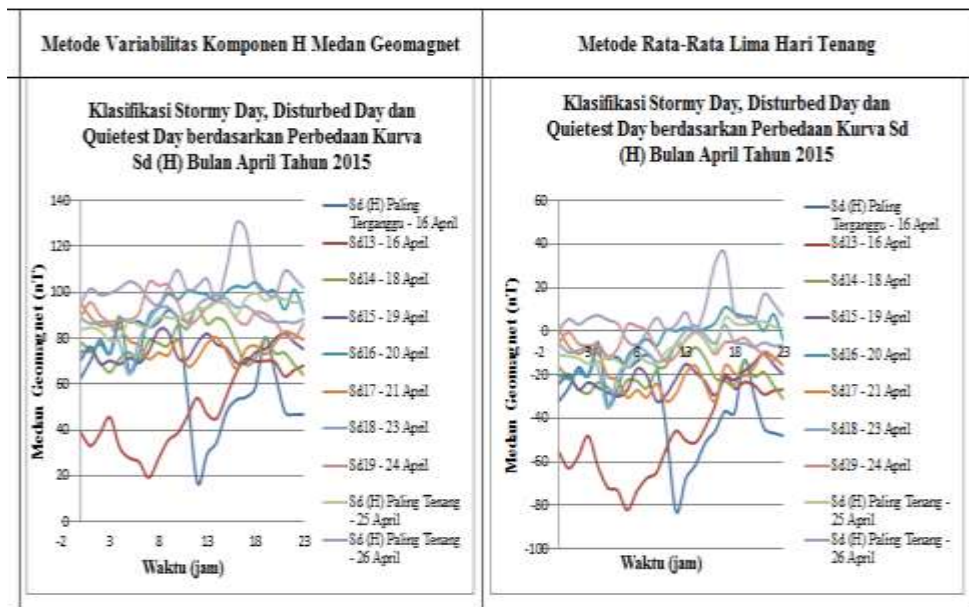
- Hasil Pengolahan Excel



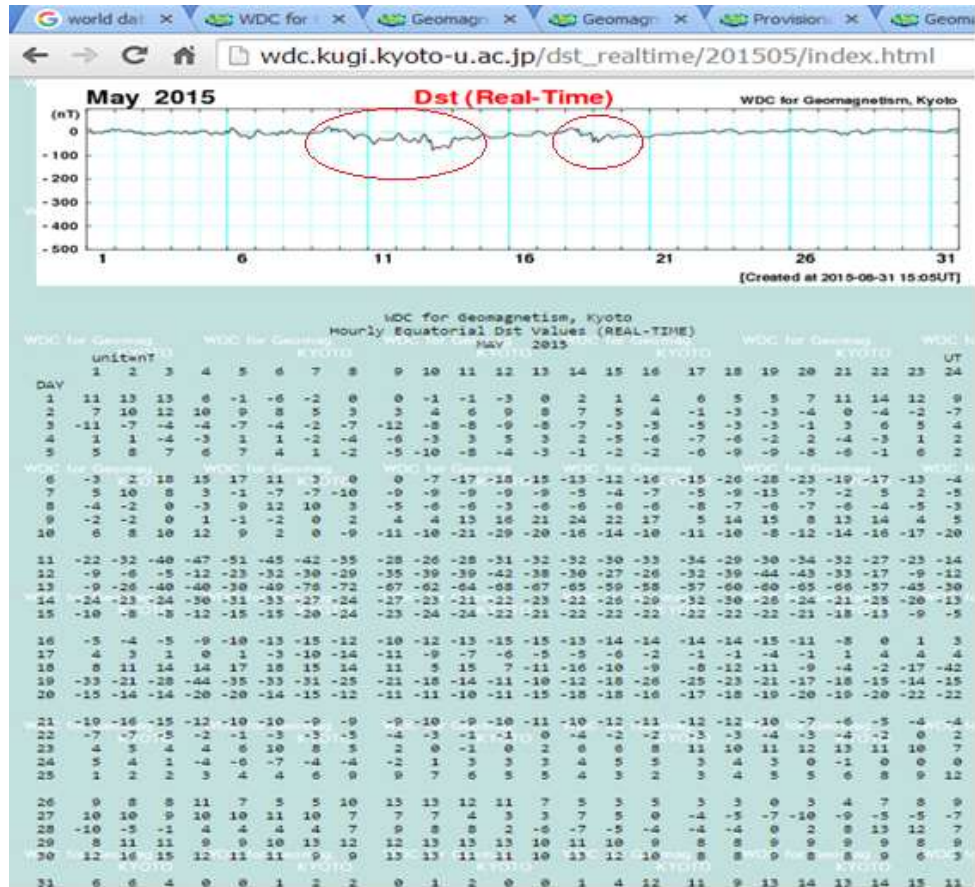
- b) Bulan April 2015
  - Indeks Dst Bulan April 2015



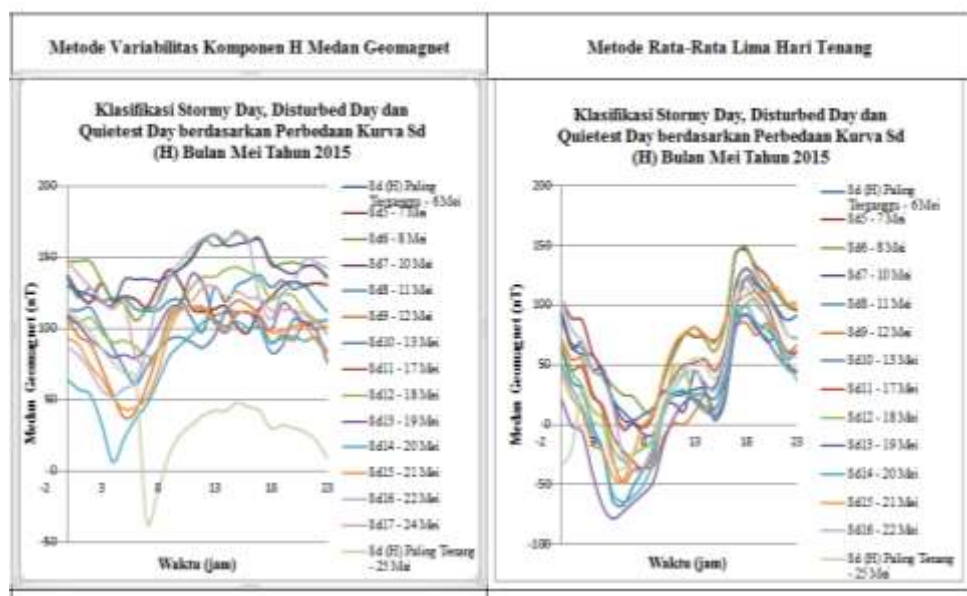
➤ Hasil Pengolahan Excel



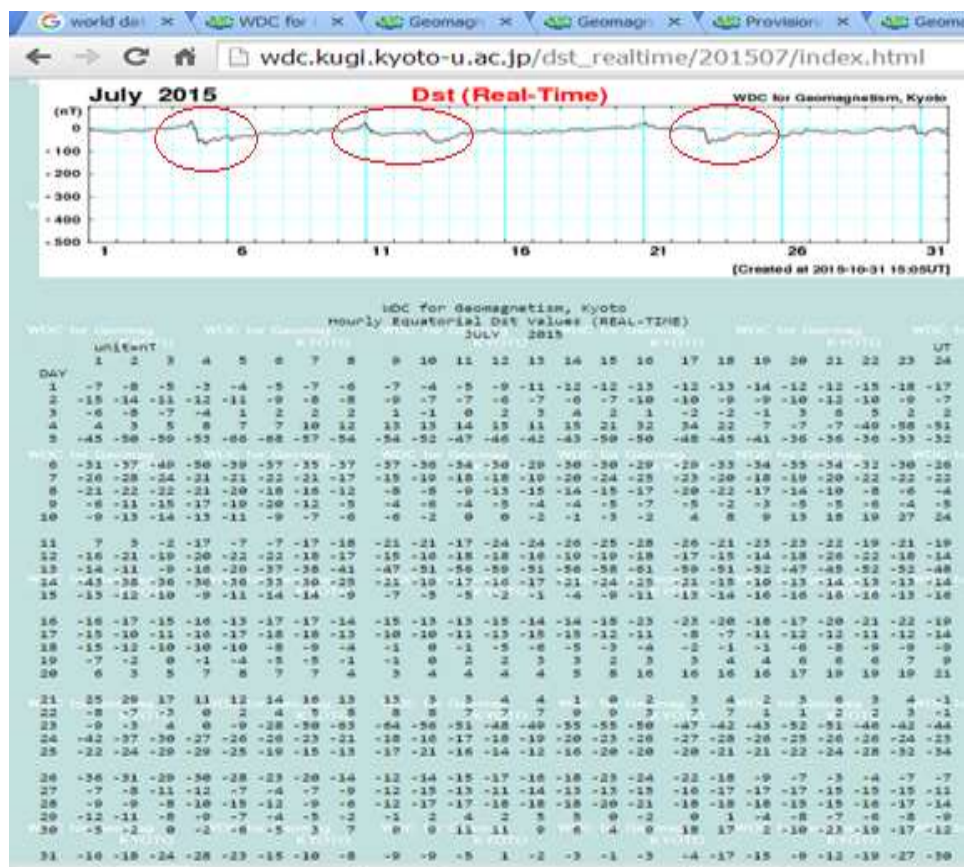
- c) Bulan Mei 2015
  - Indeks Dst Bulan Mei 2015



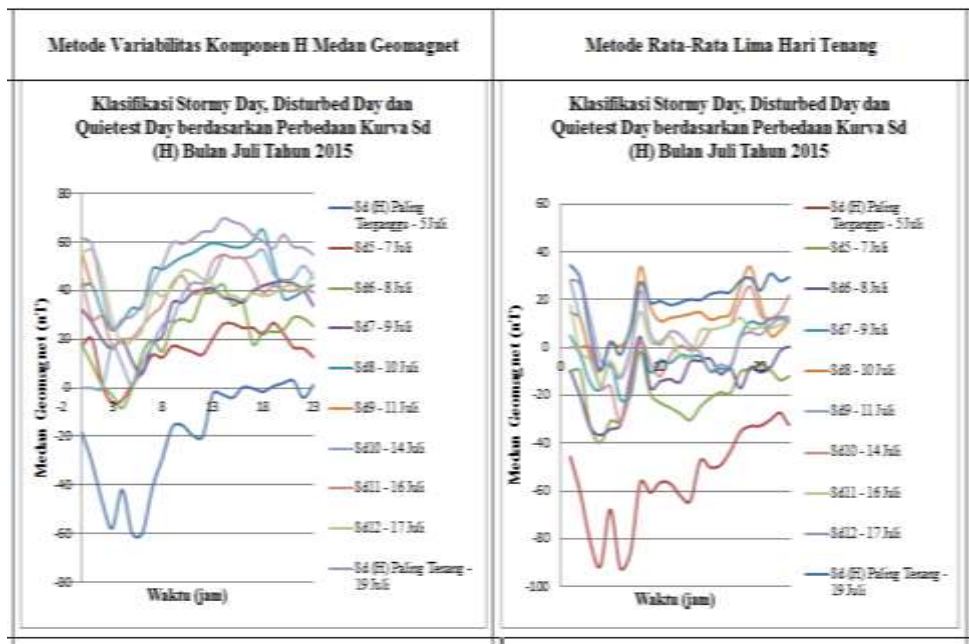
- Hasil Pengolahan Excel



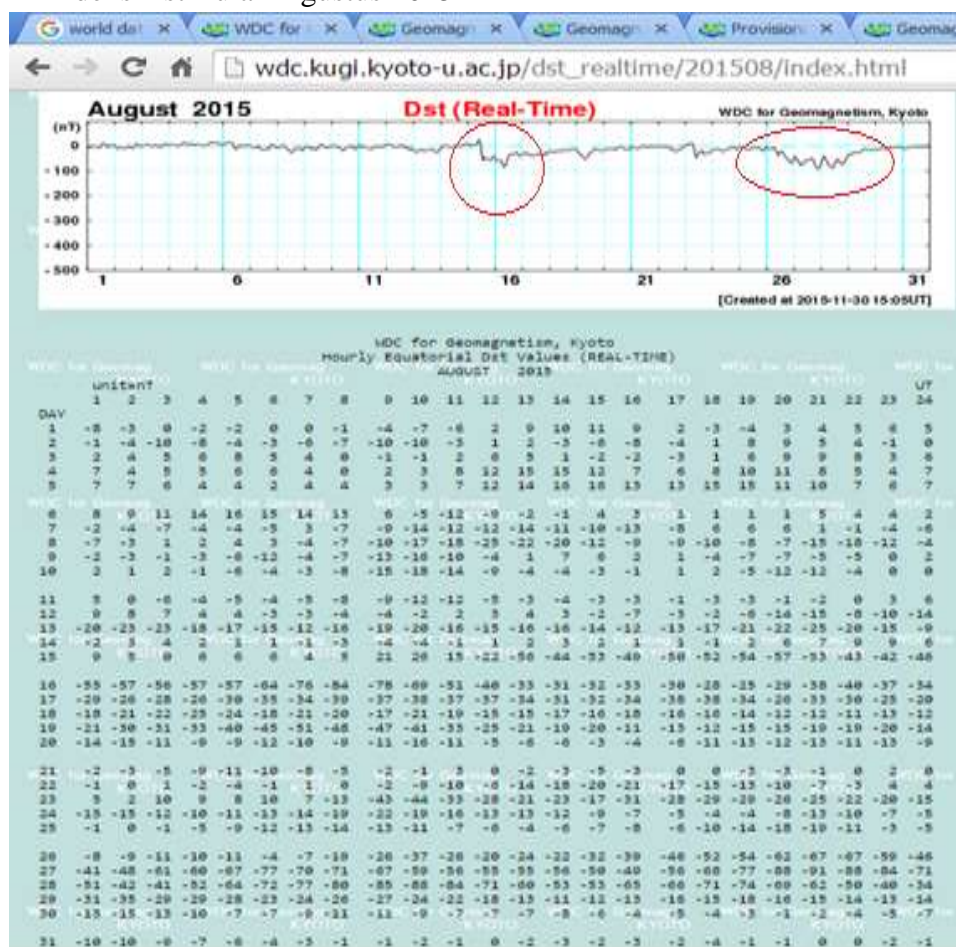
- d) Bulan Juli 2015  
 ➤ Indeks Dst Bulan Juli 2015



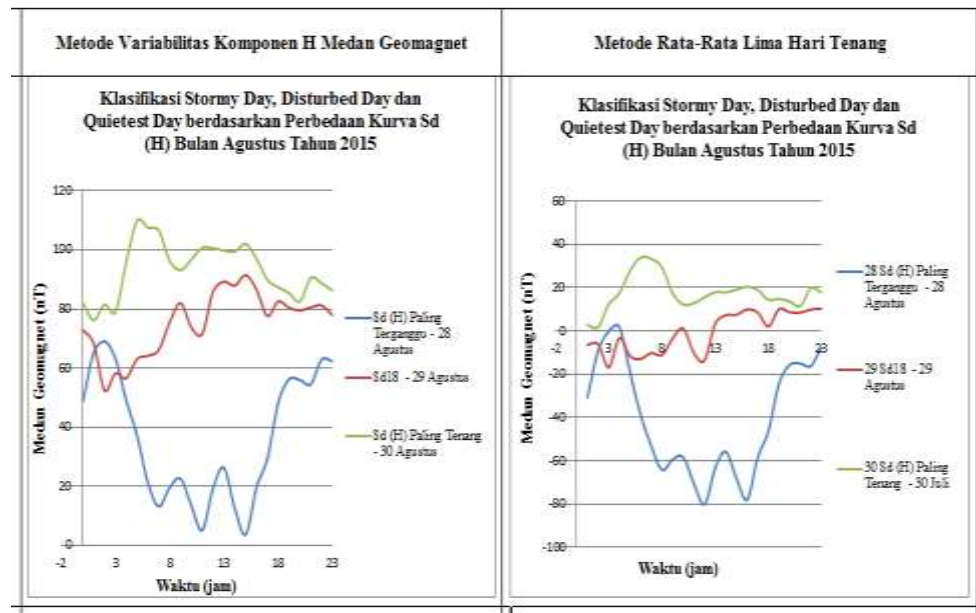
- Hasil Pengolahan Excel



- e) Bulan Agustus 2015
  - Indeks Dst Bulan Agustus 2015



➤ Hasil Pengolahan Excel



f) Bulan September 2015

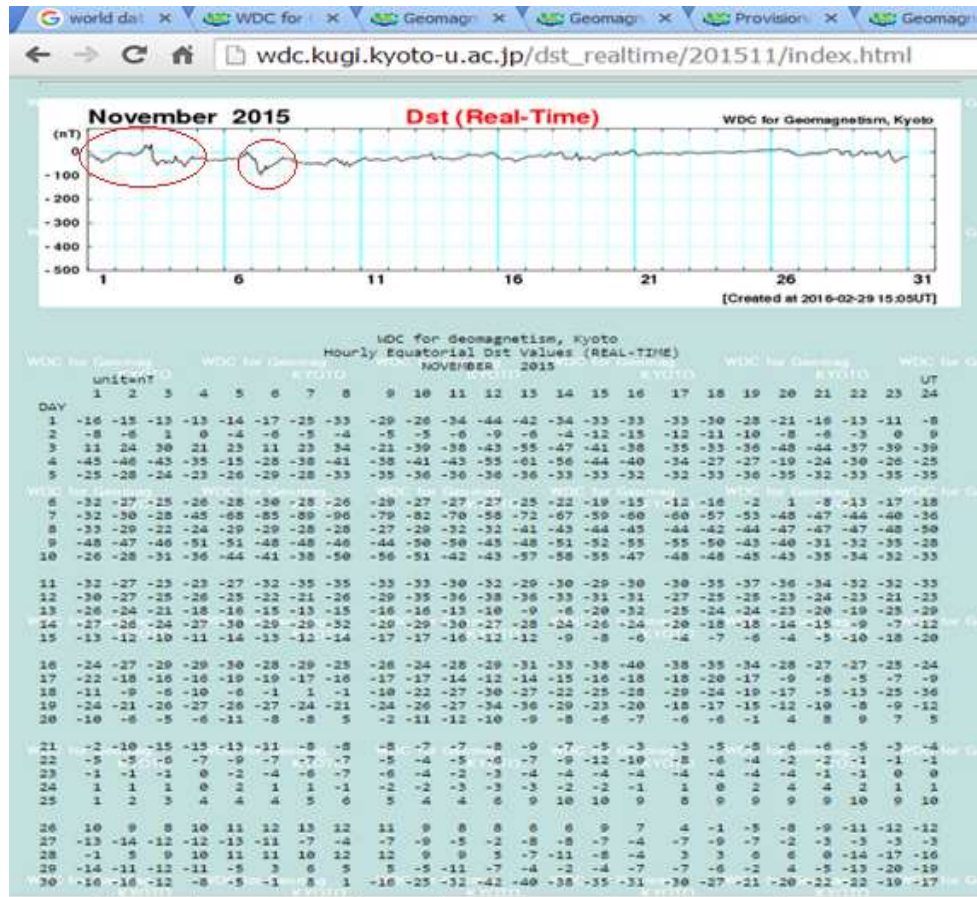
➤ Indeks Dst Bulan September 2015



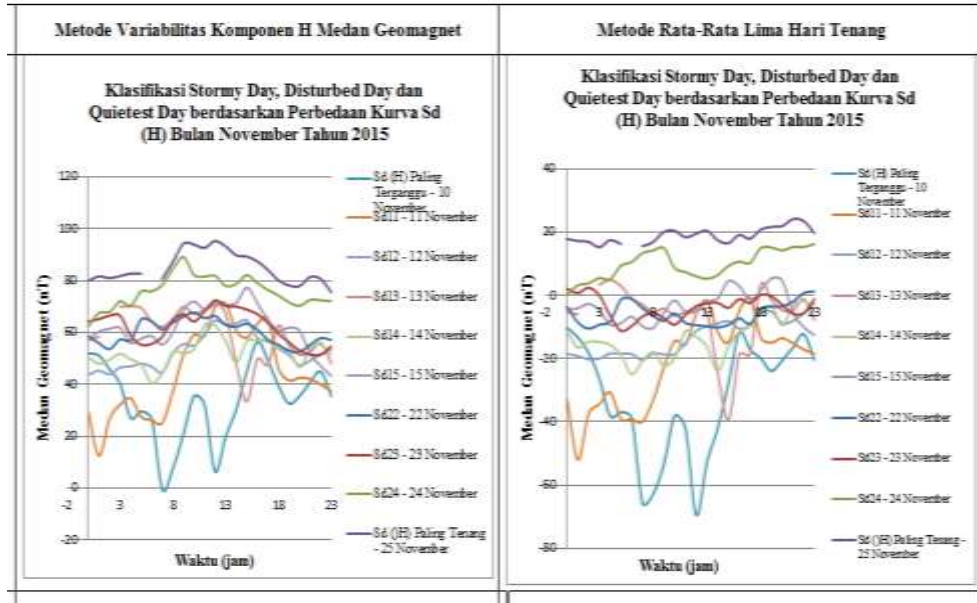




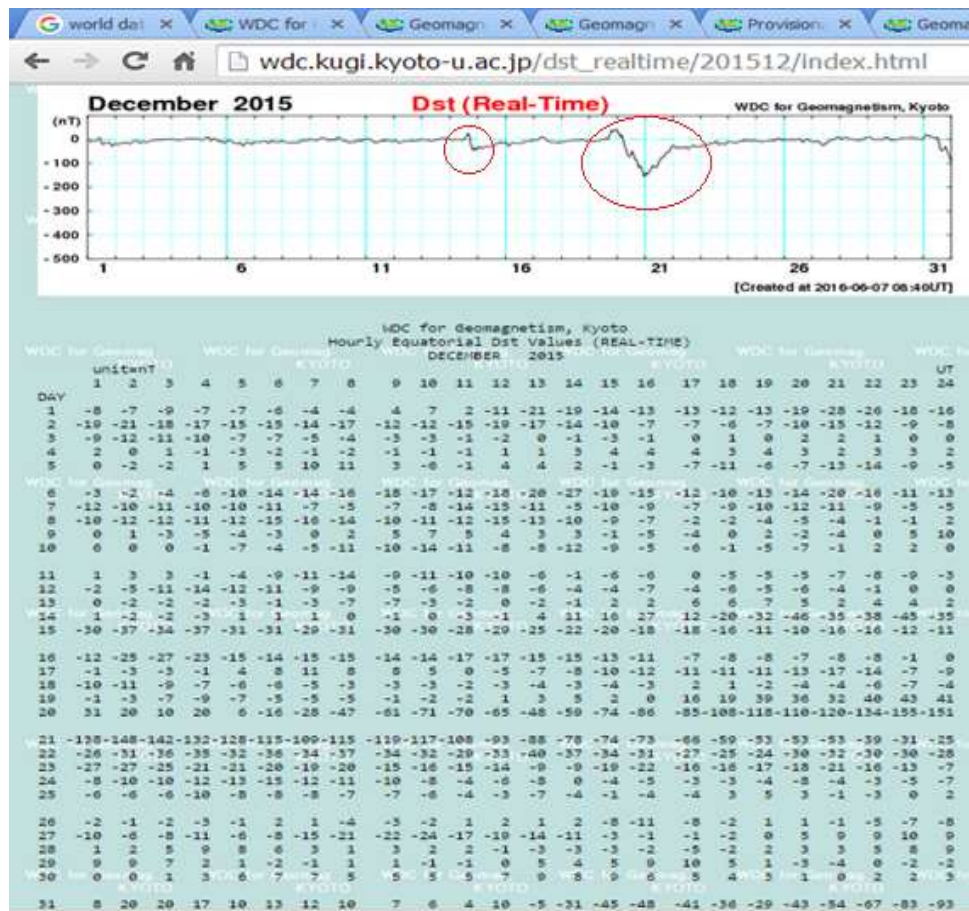
- h) Bulan November 2015
  - Indeks Dst Bulan November 2015



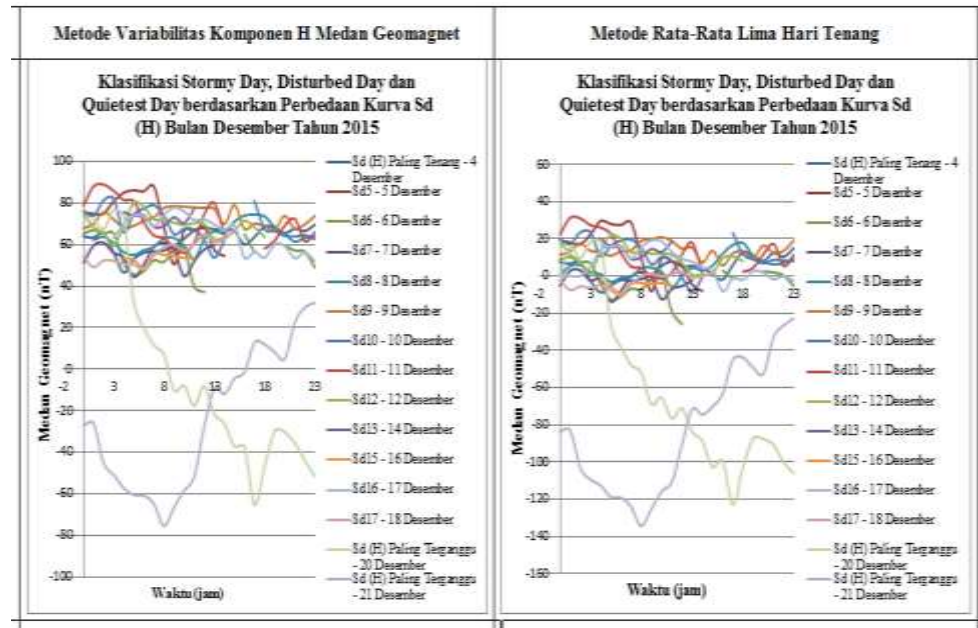
- Hasil Pengolahan Excel



- i) Bulan Desember 2015
  - Indeks Dst Bulan Desember 2015

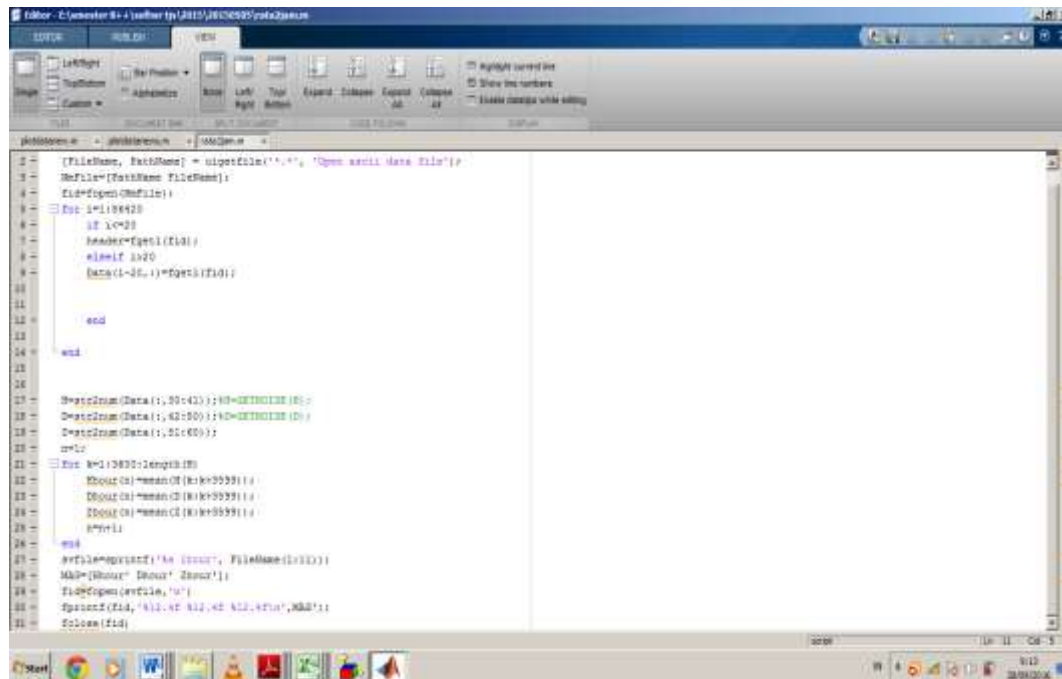


➤ Hasil Pengolahan Excel



Lampiran 3

a) Algoritma Matlab R2013a Perata-Rata Jam Data Komponen H Medan Geomagnet



```
[FileName, ExitName] = uigetfile('*.txt', 'Open again mana file?');
fileID = fopen(FileName);
fclose(fileID);

% Define the number of days
N = 31; % for December
for i = 1:N
    % Read data for each day
    load(sprintf('data\\%02d.txt', i));
    
    % Process the data
    % ... (processing steps) ...
    
end

% Save the results
save('Average_H', 'Average_H', 'z');
fclose(fileID);
```

b) Algoritma Matlab R2013a dalam Plot Grafik Sq (H) dan Sd (H) Harian

```

1 clear; close all; clc
2
3 % Jika ingin membuat data dari sebuah variabel dengan kondisi ini
4 % maka kelasnya adalah: 'sinus', 'cosinus', 'tan', 'cot'
5 % dan nama A2, jika ingin membuat data yang dibaca hanya pada nilai a2 dengan: B1
6
7 tgl_24=kelas('a:Desember2015.klas', 'Dosen1', 'RIS, RIZKI');
8 dfl=kelas('a:Desember2015.klas', 'Dosen1', 'A3, A28');
9
10
11 subplot(1, 2, 1);
12 plot(tgl_24, 'r');
13 title('Ditinjau November tanggal 25');
14 xlabel('jam ke-');
15 ylabel('A3 107');
16 axis([0 24 -90 90]);
17
18
19
20

```

## Lampiran 4

### DAFTAR RIWAYAT HIDUP



Seorang mahasiswa Fisika UPI yang mengambil Prodi Fisika dengan konsentrasi “Fisika Bumi dan Antariksa” atau lebih dikenal dengan “Geofisika”. Merupakan seseorang yang mudah beradaptasi dengan lingkungan baru dan orang baru. Memiliki kemampuan dalam hal perencanaan, dapat bekerja sama, cukup cepat dalam belajar/ menerima sesuatu yang baru dan sudah terbiasa bekerja dibawah tekanan baik mental maupun fisik.

#### A. Biodata Pribadi

Nama Lengkap : Mujahidin  
 NIM : 1203133  
 Tempat/tanggal lahir : Cirebon, 27 Desember  
 1993  
 Jenis Kelamin : Laki-Laki  
 Tinggi badan : 169 cm  
 Berat badan : 64 kg  
 Agama : Islam  
 Status Pernikahan : Belum Nikah

