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Lampiran 1. Data Kedalaman

Permukaan Dasar Datar	Permukaan Dasar Miring
50	50
50	49.5
50	49
50	48.5
50	48
50	47.5
50	47
50	46.5
50	46
50	45.5
50	45
50	44.5
50	44
50	43.5
50	43
50	42.5
50	42
50	41.5
50	41
50	40.5
50	40
50	39.5
50	39
50	38.5
50	38
50	37.5
50	37
50	36.5
50	36
50	35.5
50	35
50	34.5
50	34
50	33.5
50	33
50	32.5
50	32
50	31.5

50	31
50	30.5
50	30
50	29.5
50	29
50	28.5
50	28
50	27.5
50	27
50	26.5
50	26
50	25.5
50	25
50	24.5
50	24
50	23.5
50	23
50	22.5
50	22
50	21.5
50	21
50	20.5
50	20
50	19.5
50	19
50	18.5
50	18
50	17.5
50	17
50	16.5
50	16
50	15.5
50	15
50	14.5
50	14
50	13.5
50	13
50	12.5
50	12
50	11.5
50	11
50	10.5

50	10
50	9.5
50	9
50	8.5
50	8
50	7.5
50	7
50	6.5
50	6
50	5.5
50	5
50	4.5
50	4
50	3.5
50	3
50	2.5
50	2
50	1.5
50	1
50	0.5
50	0

Lampiran 2. Script Model Input SWAN Kondisi Dasar Datar

```
PROJECT 'testbotflat"A577' '1'       $nama project



**********MODEL INPUT**********

MODE STAT ONED                  $Dimensi model (1D)
SET DEPMIN=0.01 MAXMES=999 MAXERR=3 PWTAIL=4
SET LEVEL 0
SET CARTESIAN
$ETUP 0
CGRID REGULAR 0 0 0 1000 0. 1500 0 &       $grid komputasi
[xpc][ypc][alpc][xlench][ylench][mxc][myc]
CIRCLE 36 0.03 0.8 30
[mdc][flow][fhigh][msc]
BOUND SHAPE JONSWAP 3.3 PEAK DSPR POWER $bentuk spektrum
pembangkit[gamma]
INPGRID BOTTOM REGULAR 0 0 0 1500 0 10 1        $inputgrid bottom
[xpinp][ypinp][alinp][mxinp][myinp][dxinp][dyinp]
READ BOTTOM 1. 'botflat50.dat '1 0 FREE          $input batimetri [fac] ‘buttom
file’ [idla][nhedf]
!NPGRID CURRENT REGULAR 0 0 0 100 0 10 1
!EAD CURRENT
BOUN SIDE W CONSTANT PAR 2 3 0 2       [hs][per][dir][dd]

GEN3 KOMEN                          $menjalankan fungsi wind,quad,wc
OFF QUAD                            $quad nonaktif
FRICTION                            $gesekan dasar
BREAKING                           $gelombang pecah
NUM ACCUR 0.02 0.02 0.02 98 15



**********MODEL OUTPUT**********


OUTPUT OPTIONS '%' TABLE 16 BLOCK 9 1000 SPEC 8
CURVE 'curve' 0 0 100 1000 0
Table 'curve' HEADER 'testbotflat.tab' XP YP WLEN DISSIP HSIGN RTP TM01
TMM10 DIR &
DSPR DEPTH SETUP         $file output
```

```
POIN 'S0'100 .00
SPEC 'S0' SPEC1D ABS 'testbotflat_point1.sp1'
SPEC 'S0' SPEC2D ABS 'testbotflat_point1.sp2'
POIN 'S1'200 .00
SPEC 'S1' SPEC1D ABS 'testbotflat_point2.sp1'
SPEC 'S1' SPEC2D ABS 'testbotflat_point2.sp2'
POIN 'S2'500 .00                                        $penempatan stasiun
SPEC 'S2' SPEC1D ABS 'testbotflat_point3.sp1'
SPEC 'S2' SPEC2D ABS 'testbotflat_point3.sp2'
POIN 'S3'600 .00
SPEC 'S3' SPEC1D ABS 'testbotflat_point4.sp1'
SPEC 'S3' SPEC2D ABS 'testbotflat_point4.sp2'
POIN 'S4'900 .00
SPEC 'S4' SPEC1D ABS 'testbotflat_point5.sp1'
SPEC 'S4' SPEC2D ABS 'testbotflat_point5.sp2'
POIN 'S5'980 .00
SPEC 'S5' SPEC1D ABS 'testbotflat_point6.sp1'
SPEC 'S5' SPEC2D ABS 'testbotflat_point6.sp2'

TEST 0 0
COMPUTE                 $memulai komputasi
STOP                    $hentikan komputasi
```

Lampiran 3. Script Model Input SWAN Kondisi Dasar Miring

```
PROJECT 'testbotmiring"A577' '1'          $nama project



**********MODEL INPUT**********

MODE STAT ONED                          $Dimensi model (1D)
SET DEPMIN=0.01 MAXMES=999 MAXERR=3 PWTAIL=4
SET LEVEL 0
SET CARTESIAN
$ETUP 0
CGRID REGULAR 0 0 0 1000 0. 1500 0 &       $grid komputasi
[xpc][ypc][alpc][xlench][ylench][mxc][myc]
CIRCLE 36 0.03 0.8 30
[mdc][flow][fhigh][msc]
BOUND SHAPE JONSWAP 3.3 PEAK DSPR POWER    $bentuk spektrum
pembangkit[gamma]
INPGRID BOTTOM REGULAR 0 0 0 1500 0 10 1     $inputgrid bottom
[xpinp][ypinp][alinp][mxinp][myinp][dxinp][dyinp]
READ BOTTOM 1. 'botmiring50.dat '1 0 FREE      $input batimetri [fac] ‘buttom
file’ [idla][nhedf
!NPGRID CURRENT REGULAR 0 0 0 100 0 10 1
!EAD CURRENT
BOUN SIDE W CONSTANT PAR 2 3 0 2        [hs][per][dir][dd]

GEN3 KOMEN                              $menjalankan fungsi wind,quad,wc
OFF QUAD                                $quad nonaktif
FRICTION                                $gesekan dasar
BREAKING                                $gelombang pecah
NUM ACCUR 0.02 0.02 0.02 98 15



**********MODEL OUTPUT**********


OUTPUT OPTIONS '%' TABLE 16 BLOCK 9 1000 SPEC 8
CURVE 'curve' 0 0 100 1000 0
Table 'curve' HEADER 'testbotmiring.tab' XP YP WLEN DISSIP HSIGN RTP
TM01 TMM10 DIR &
DSPR DEPTH SETUP       $file output
```

```
POIN 'S0'100 .00
SPEC 'S0' SPEC1D ABS 'testbotmiring_point1.sp1'
SPEC 'S0' SPEC2D ABS 'testbotmiring_point1.sp2'
POIN 'S1'200 .00
SPEC 'S1' SPEC1D ABS 'testbotmiring_point2.sp1'
SPEC 'S1' SPEC2D ABS 'testbotmiring_point2.sp2'
POIN 'S2'500 .00                                   $penempatan stasiun
SPEC 'S2' SPEC1D ABS 'testbotmiring_point3.sp1'
SPEC 'S2' SPEC2D ABS 'testbotmiring_point3.sp2'
POIN 'S3'600 .00
SPEC 'S3' SPEC1D ABS 'testbotmiring_point4.sp1'
SPEC 'S3' SPEC2D ABS 'testbotmiring_point4.sp2'
POIN 'S4'900 .00
SPEC 'S4' SPEC1D ABS 'testbotmiring_point5.sp1'
SPEC 'S4' SPEC2D ABS 'testbotmiring_point5.sp2'
POIN 'S5'980 .00
SPEC 'S5' SPEC1D ABS 'testbotmiring_point6.sp1'
SPEC 'S5' SPEC2D ABS 'testbotmiring_point6.sp2'

TEST 0 0
COMPUTE                    $memulai komputasi
STOP                       $hentikan komputasi
```

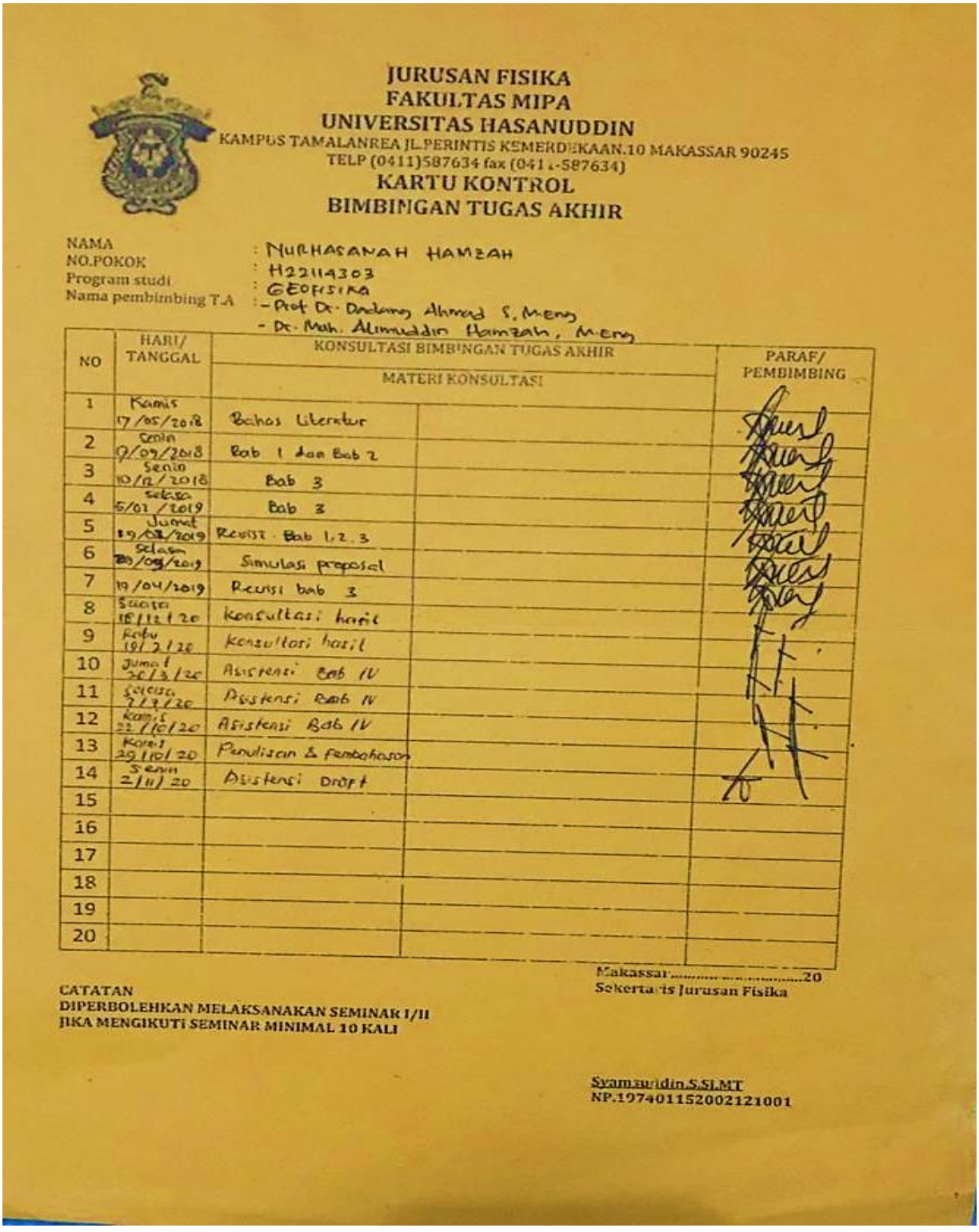
Lampiran 4. Script Plot Spektrum Kondisi Dasar Datar

```
S1 = swan_io_spectrum('testbotflat_point1.sp1');
freq = S1.frequency(1,:);
En = S1.VaDens(1,:);
plot(freq,En, 'b');
hold on

S2 = swan_io_spectrum('testbotflat_point2.sp1');
freq = S2.frequency(1,:);
En = S2.VaDens(1,:);
plot(freq,En, 'r');

S3 = swan_io_spectrum('testbotflat_point3.sp1');
freq = S3.frequency(1,:);
En = S3.VaDens(1,:);
plot(freq,En, 'g');

S4= swan_io_spectrum('testbotflat_point4.sp1');
freq = S4.frequency(1,:);
En = S4.VaDens(1,:);
plot(freq,En, 'm');

S5= swan_io_spectrum('testbotflat_point5.sp1');
freq = S5.frequency(1,:);
En = S5.VaDens(1,:);
plot(freq,En, 'y');

S6= swan_io_spectrum('testbotflat_point6.sp1');
freq = S6.frequency(1,:);
En = S6.VaDens(1,:);
plot(freq,En, 'k');

legend('st-1','st-2','st-3','st-4',’st-5’,’st-6’)
ylim([0 1.8]);
xlim([0.2 0.6]);
xlabel('Frekuensi (Hz)');
ylabel(' E(f)(m^2/Hz)');
grid on
hold off
```

Lampiran 5. Script Plot Spektrum Kondisi Dasar Miring

```
S1 = swan_io_spectrum('testbotmiring_point1.sp1');
freq = S1.frequency(1,:);
En = S1.VaDens(1,:);
plot(freq,En, 'b');
hold on
S2 = swan_io_spectrum('testbotmiring_point2.sp1');
freq = S2.frequency(1,:);
En = S2.VaDens(1,:);
plot(freq,En, 'r');

S3 = swan_io_spectrum('testbotmiring_point3.sp1');
freq = S3.frequency(1,:);
En = S3.VaDens(1,:);
plot(freq,En, 'g');

S4= swan_io_spectrum('testbotmiring_point4.sp1');
freq = S4.frequency(1,:);
En = S4.VaDens(1,:);
plot(freq,En, 'm');

S5= swan_io_spectrum('testbotmiring_point5.sp1');
freq = S5.frequency(1,:);
En = S5.VaDens(1,:);
plot(freq,En, 'y');

S6= swan_io_spectrum('testbotmiring_point6.sp1');
freq = S6.frequency(1,:);
En = S6.VaDens(1,:);
plot(freq,En, 'k');

legend('st-1','st-2','st-3','st-4',’st-5’,’st-6’)
ylim([0 1.8]);
xlim([0.2 0.6]);
xlabel('Frekuensi (Hz)');
ylabel(' E(f)(m^2/Hz)');
grid on
hold off
```

Lampiran 6. Kartu Kontrol Bimbingan Tugas Akhir



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Program studi : GEOFISIKA
Nama pembimbing T.A : - Prof Dr. Dadang Ahmad S, M.Eng
- Dr. Muh. Alimuddin Hamzah, M.Eng

NO	HARI/ TANGGAL	KONSULTASI BIMBINGAN TUGAS AKHIR MATERI KONSULTASI	PARAF/ PEMBIMBING
1	Kamis 17/05/2018	Bahas Literatur	
2	Senin 9/09/2018	Bab 1 dan Bab 2	
3	Senin 10/12/2018	Bab 3	
4	selasa 5/02/2019	Bab 3	
5	Jumat 29/03/2019	Revisi Bab 1,2,3	
6	Selasa 30/04/2019	Simulasi proposal	
7	19/04/2019	Revisi bab 3	
8	Selasa 18/12/20	Konsultasi hasil	
9	Rabu 19/2/20	Konsultasi hasil	
10	Jumat 20/3/20	Asistensi Bab IV	
11	Selasa 21/4/20	Asistensi Bab IV	
12	Kamis 22/10/20	Asistensi Bab IV	
13	Kamis 29/10/20	Penulisan & pembahasan	
14	Senin 2/11/20	Asistensi Draft	
15			
16			
17			
18			
19			
20			

Makassar 20
Sekretaris Jurusan Fisika

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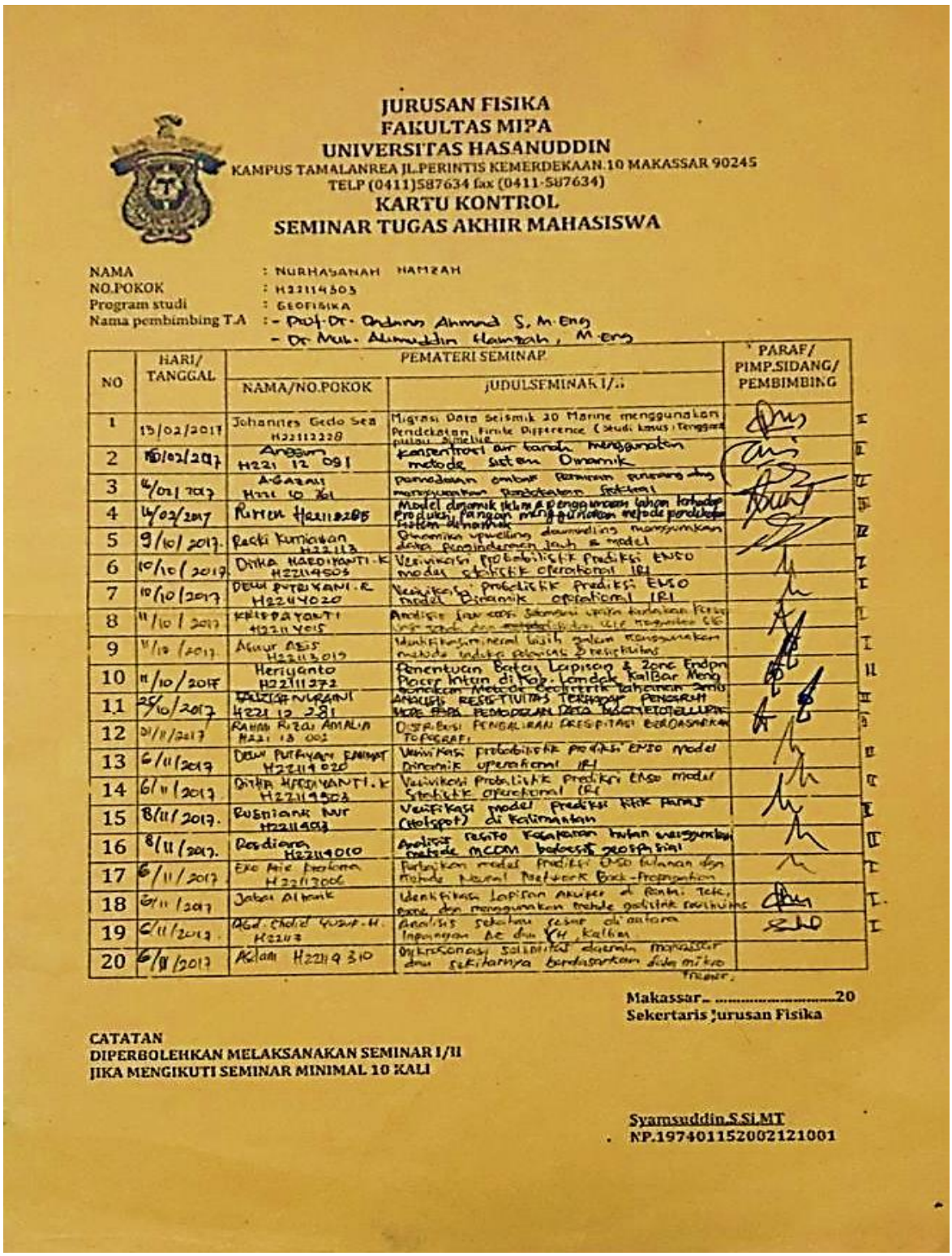
Lampiran 7. Kartu Kontrol Seminar



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Nama pembimbing T.A : - Prof. Dr. Andi Ahmad S, M.Eng
- Dr. Mul. Alimuddin Hamzah, M.Eng

NO	HARI/ TANGGAL	PEMATERI SEMINAR		PARAF/ PIMP.SIDANG/ PEMBIMBING
		NAMA/NO.POKOK	JUDULSEMINAR I/..	
1	15/02/2017	Johannes Gedo Sea H22112228	Migrasi Data Seismik 2D Marine menggunakan Pendekatan Finite Difference (Studi kasus : Tenggara pulau Sumatra	
2	16/02/2017	Anggun H221 12 091	konsentrasi air tanah menggunakan metode sistem Dinamik	
3	4/02/2017	A. Gazali H221 10 361	pemodelan embar Permukan bawah dan menggunakan Pendekatan fraktal	
4	4/02/2017	Ruyen Hasiholan H22112285	Model dinamik iklim & pengaruhnya lahan terhadap Produksi pangan menggunakan metode pendekatan sistem dinamik	
5	9/10/2017	Rachi Kurniawan H22113	Dinamika upwelling daerah laut menggunakan data pengindraan jauh & model	
6	10/10/2017	Ditha Hardiyanti. K H22114503	Verifikasi Probabilistik Prediksi ENSO model statistik operasional IRI	
7	10/10/2017	Dewi Putriyani. R H22114020	Verifikasi Probalistik Prediksi ENSO model Dinamik operasional IRI	
8	11/10/2017	Kristi Yanti H22114015	Analisis laju erosi Sungai untuk kebutuhan Pasir [illegible]	
9	11/10/2017	Akbar Aris H22113019	Identifikasi mineral lisik galena menggunakan metode indeks polarisasi & resistivitas	
10	11/10/2017	Heriyanto H22111371	Penentuan Batas Lapisan & Zone Endapan Placer Intan di Kab. Landak KalBar Menggunakan Metode Geolistrik Tahanan Jenis	
11	25/10/2017	Fatiha Nurani H221 12 281	Analisis Resistivitas Terhadap Pengaruh Nilai Pori Pendugaan Data Magnetotellurik	
12	31/10/2017	Rahma Rizki Amalia H221 13 001	Distribusi Pengaliran Presipitasi Berdasarkan Topografi	
13	6/11/2017	Dewi Putriyani Enawati H22114020	Verifikasi Probabilistik Prediksi ENSO model Dinamik operasional IRI	
14	6/11/2017	Ditha Hardiyanti. K H22114503	Verifikasi Probalistik prediksi ENSO model Statistik operasional IRI	
15	8/11/2017	Rusniani Nur H22114013	Verifikasi model prediksi titik panas (Hotspot) di Kalimantan	
16	8/11/2017	Resdiana H22114010	Analisis resiko kegagalan tanam menggunakan metode MCDM berbasis geospasial	
17	6/11/2017	Eko Arie Prakoso H22117006	Perkiraan model prediksi ENSO tahunan dgn Metode Neural Network Back-Propagation	
18	6/11/2017	Jabar Alfarik	Identifikasi Lapisan Akuifer di Pantai Tete, Enrekang menggunakan metode geolistrik konfigurasi	
19	6/11/2017	Abd. Khalid Yusuf. H. H22107	Analisis sebaran resmi di antara Inpanyan Ae dan Yh, Kalbar	
20	6/11/2017	Aslam H22119310	Oseanografi Sedimentasi disekitar Mangrove dan sekitarnya berdasarkan data mikro Tremor.	

Makassar, ...20
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