

## DAFTAR PUSTAKA

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10.1088/1755-1315/357/1/012007.

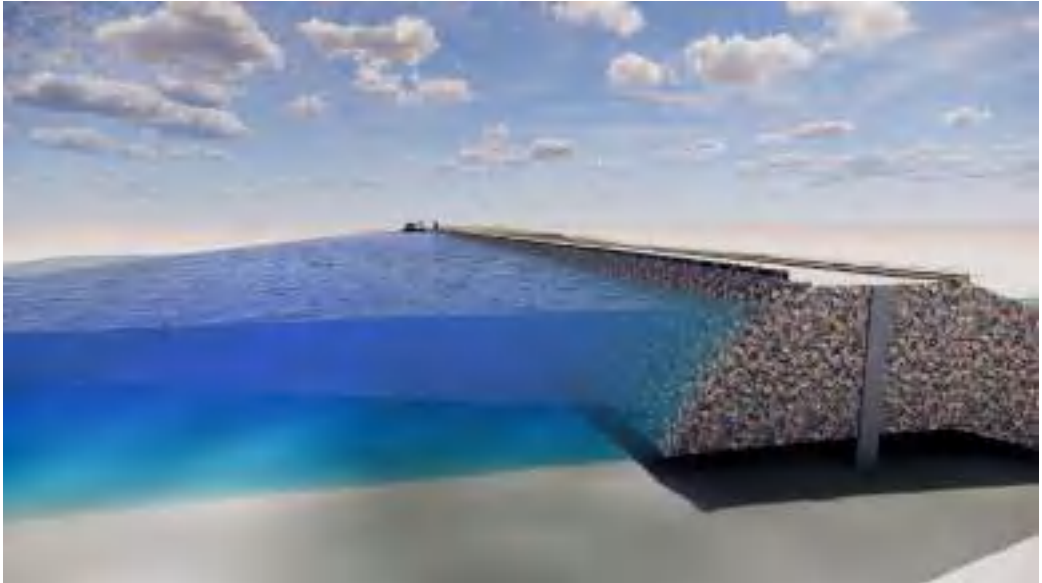
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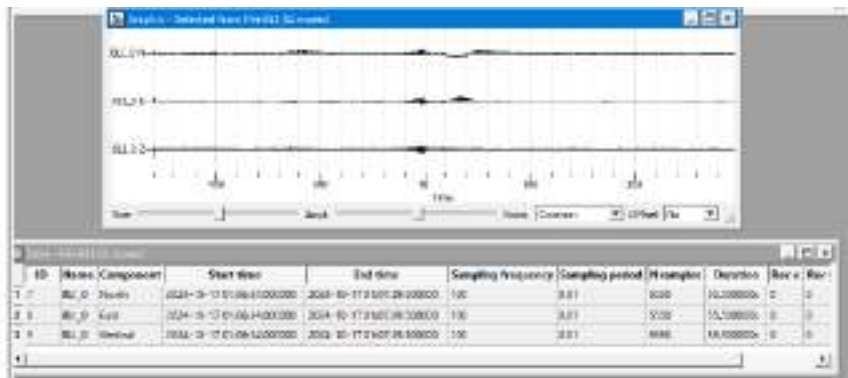
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## LAMPIRAN-LAMPIRAN



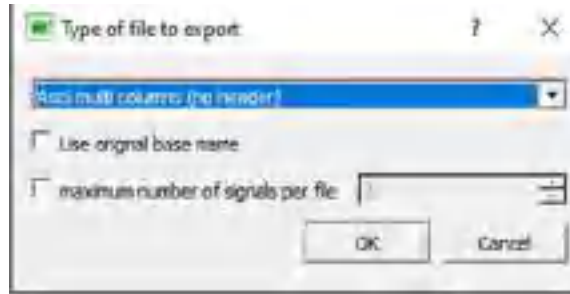
Lampiran 1. Gambar 3D Bendungan



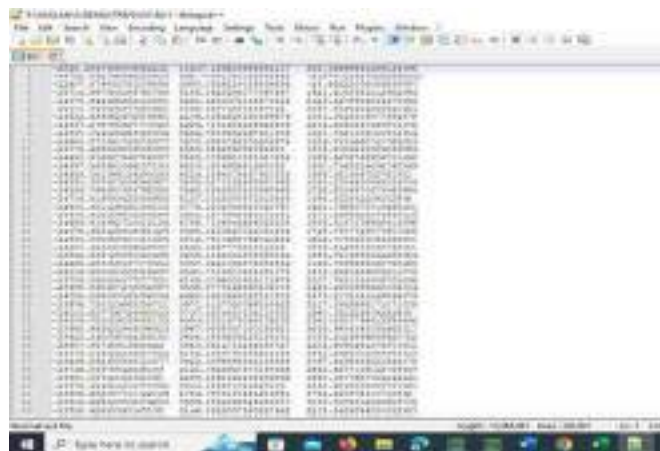
Lampiran 2. data mentah pengukuran microtremor



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Lampiran 3. Penentuan File Ekspor Pada Geopsy



Lampiran 4. Data Microtremor UD, NS, EW



Lampiran 5. Command Prompt Cygwin



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F:\HSLAN\AJEMOV\TREN\801\convert_format_microtremor.f - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window F
convert_format_microtremor.f
1 integer nst(1),nmb,ink
2 character gp*='1'
3 dimension dat(1:3),t(1:3)
4 dimension time(1:3)
5 real ave,avef
6
7 gp='000000'
8 tim='0000'
9 nmb=100000
10
11 do i=1,nmb
12 read(1,*)time(i),dat(1,i),dat(2,i),dat(3,i)
13 continue
14
15 open(unit=10,file=gp)
16
17 do i=1,nmb
18 ave=0
19 ink(i)=1
20 do j=1,3
21 dat(1,j)=dat(1,j)/AMP(1)
22 aveave=AVE(1,3)
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1000 continue
101
102 write(10,*)t1
103 write(10,*)t2
104 format('4E4')
105 write(10,*)time(i),time(nmb),ave,nmb,ink
106 format('10.1E10.4E9.1E10.1E10.1E10')
107 write(10,*)dat(1,3),nmb
108 format('10.1E10')
109 CONTINUE
110 CLOSE(10)
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### Lampiran 6 Skrip Convert Format Microtremor

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C
C IOFFS & IOFFL are minimum and maximum period value as
C lower boundary and highest boundary for spectrum data
C that we want to obtain
C toffs=0.02 means 1/0.02 --> 50 Hz (freq. max)
C toffl=40.0 means 1/40.0 --> 0.025 Hz (freq. min)
C toffe=0.02
C toffl=40.0
C write(5,*)'write length of parzen window :'
C read(5,*)band
C band=0.1
C

```

### Lampiran 7 Skrip Convert Format Microtremor

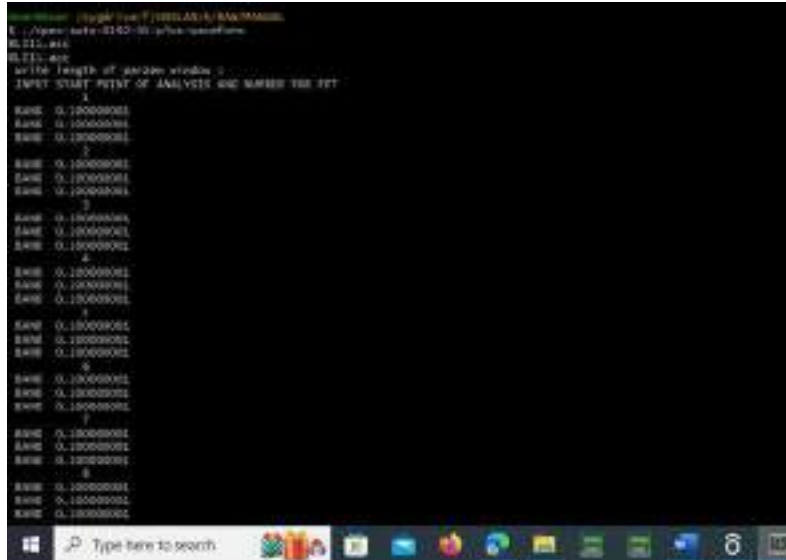
```

C
C WRITE(5,*)'INPUT START POINT OF ANALYSIS AND NUMBER FOR FFT'
C READ(5,*)NST,ndat
C READ(5,*)NST
C nst=1
C ndat=360000
C ndat=12100 !BISA MODIFIKASI (JUMLAH DATA SATU WINDOW)
C ndat=1024
C ndat=60000
C kb=0

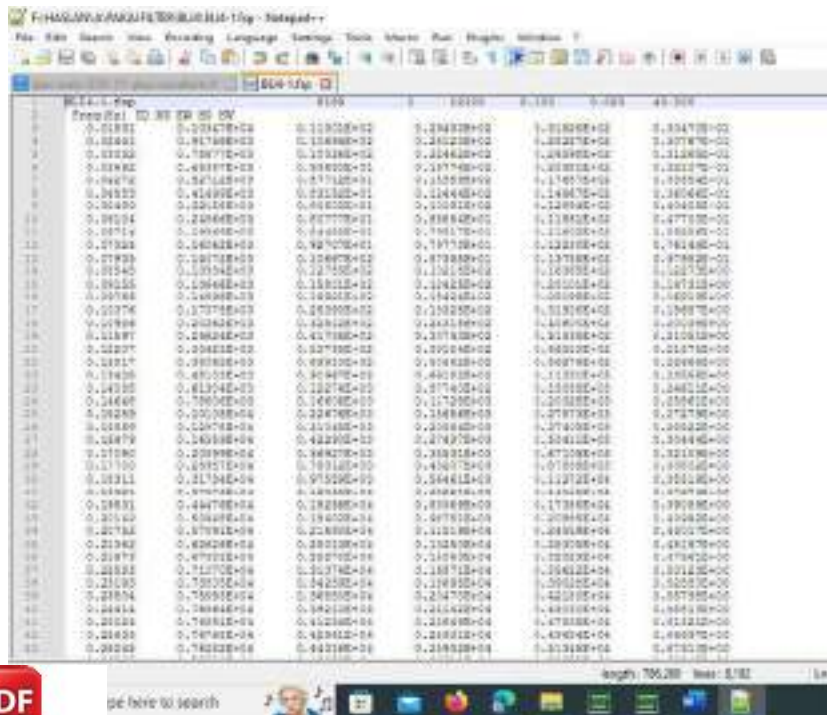
```

### Lampiran 8 Skrip Convert Format Microtremor



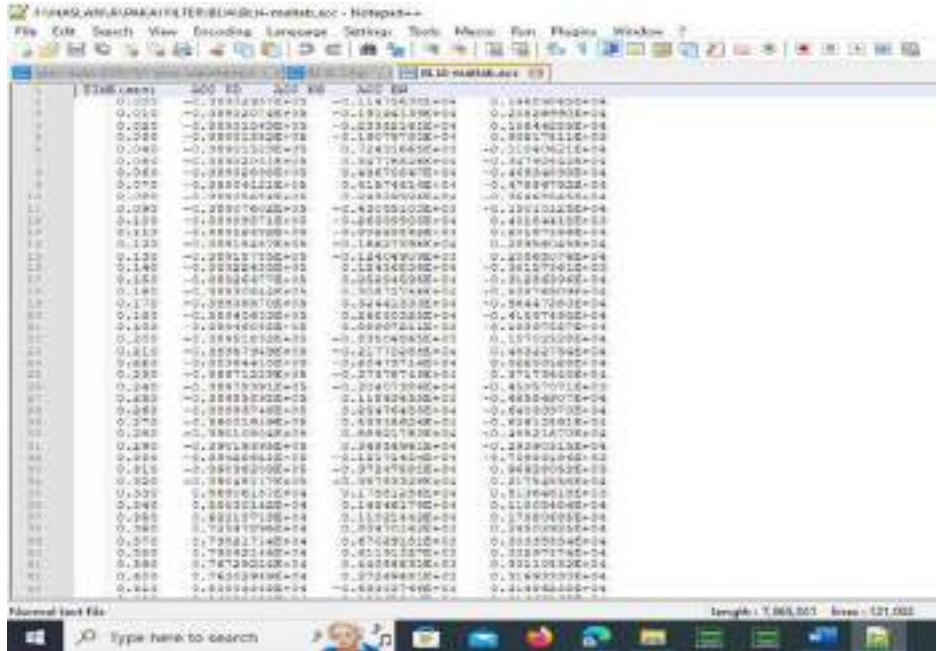


Lampiran 9 skripCygwin pengolahan HVSR rata-rata

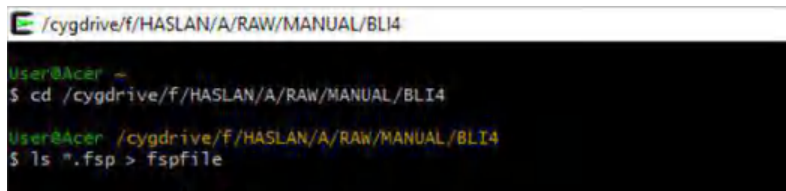


Lampiran 10 Skrip file fsp

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Lampiran 11 Skrip file ACC

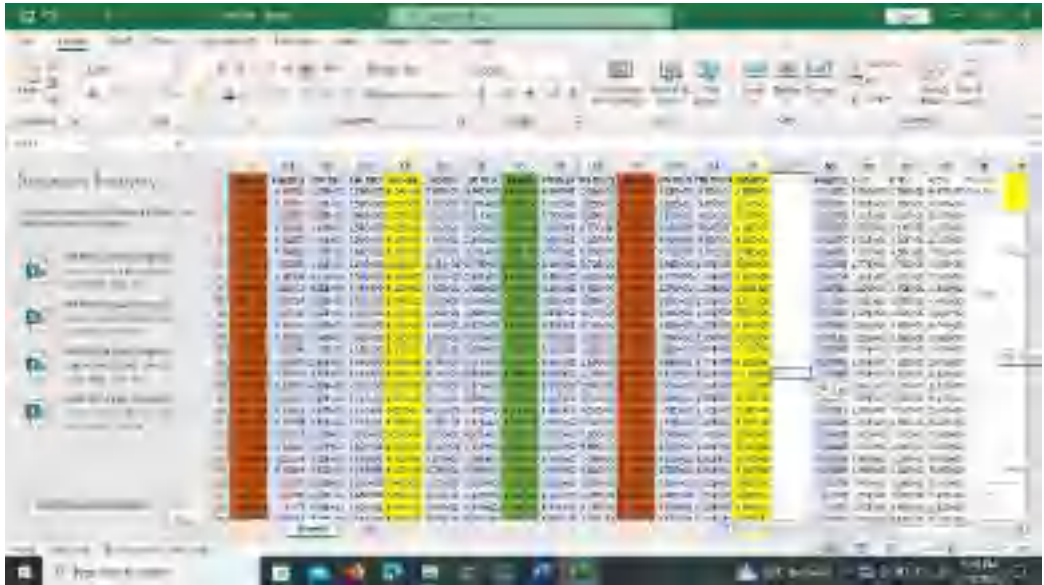


Lampiran 12 Terminal Cygwin dengan perintah ls \*.fsp > fspfile





Lampiran 13 hasil pengolahan HVSR rata-rata perhitungan dari setiap window

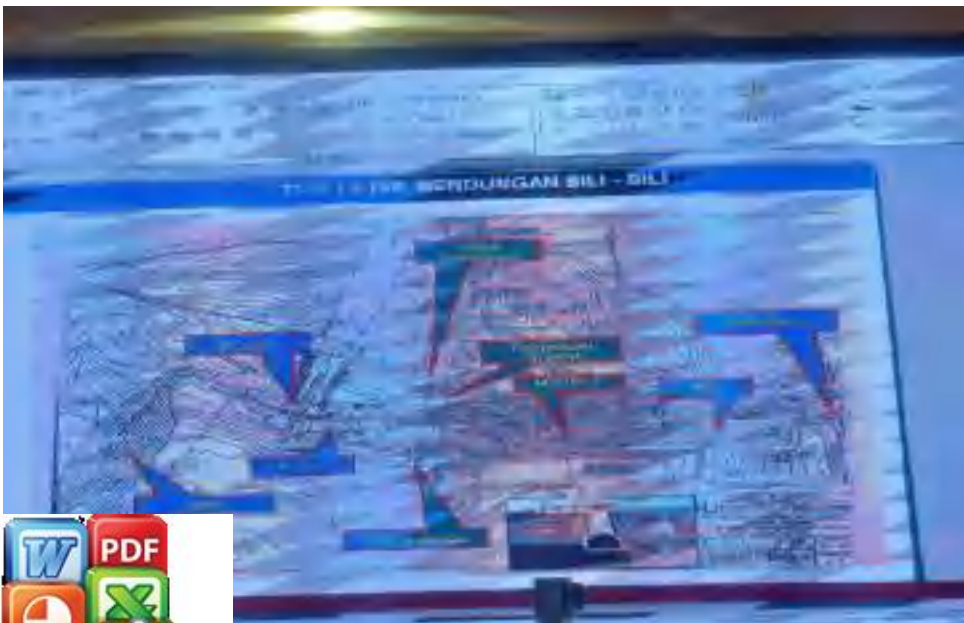


Lampiran 14 pengolahan data spectral ratio

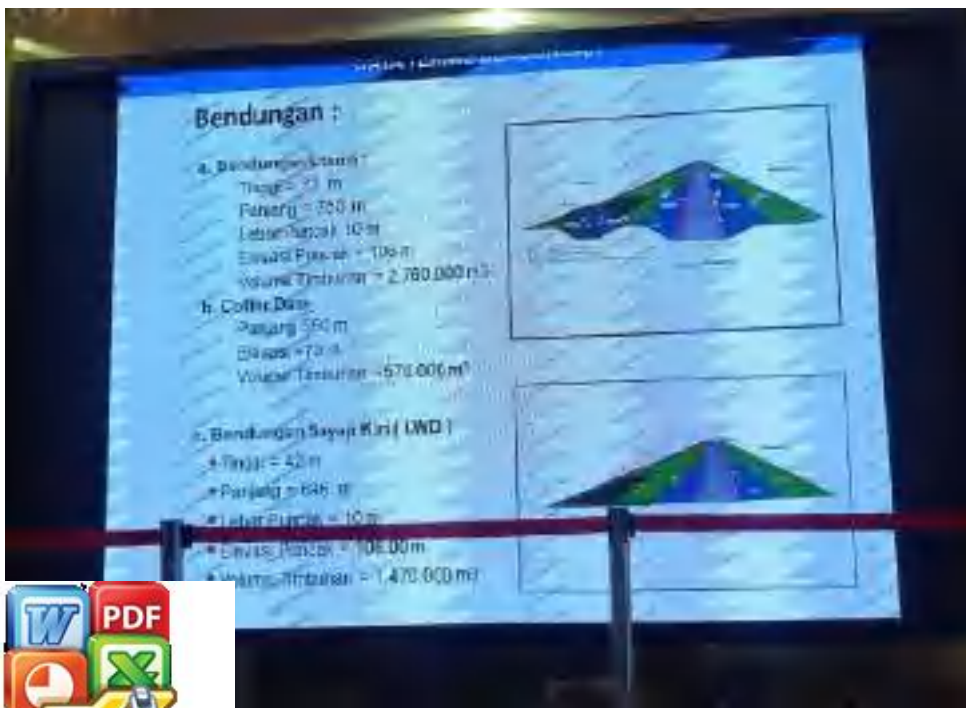
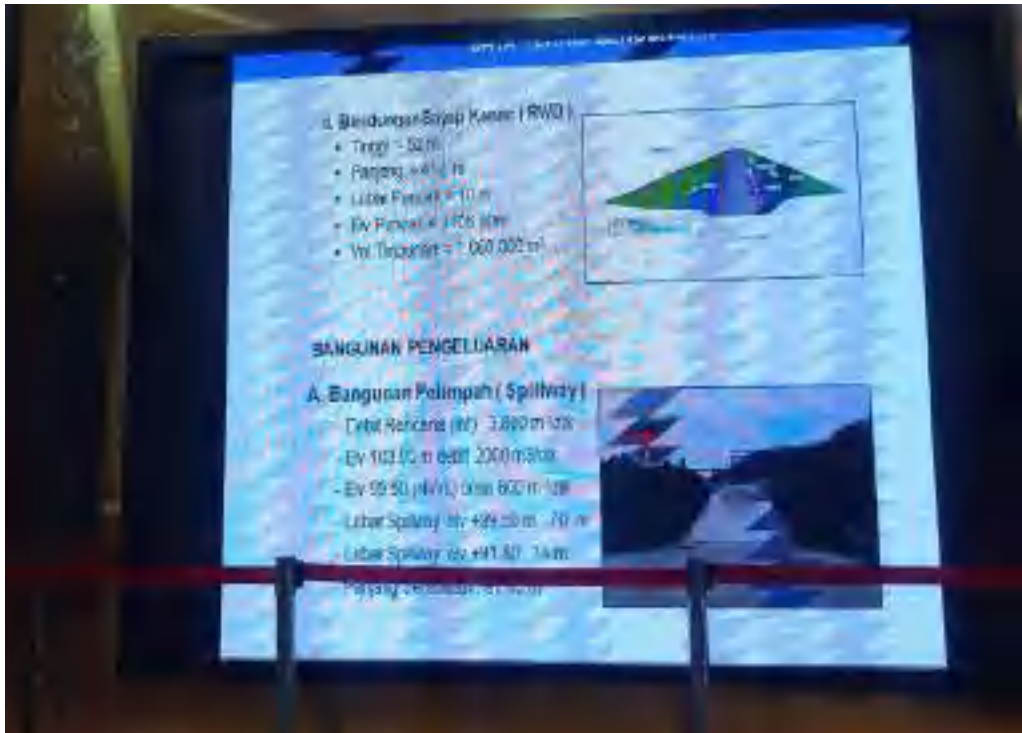




Lampiran 15 pengukuran di lapangan



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ipiran 17 : Data Geometri Bendungan Bili-Bili



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