

DAFTAR PUSTAKA

- Achmad, A., & Hamzah, A. S. (2016). *Database Karst Sulawesi Selatan (Karst Database of South Sulawesi Province)*.
- Budiwati, T., Budiyono, A., Setyawati, W., & Indrawati, A. (2010). Analisis Korelasi Pearson untuk Unsur-Unsur Kimia Air Hujan Di Bandung. *Jurnal Sains Dirgantara*, 7(2), 100–112.
http://jurnal.lapan.go.id/index.php/jurnal_sains/article/view/1118
- Duli, A., Mulyadi, Y., & Rosmawati. (2019). The Mapping out of Maros-Pangkep Karst Forest as a Cultural Heritage Conservation. *IOP Conference Series: Earth and Environmental Science*, 270(1). <https://doi.org/10.1088/1755-1315/270/1/012014>
- Favoria Gusa Rika. (2013). Pengolahan Citra Digital Untuk Menghitung Luas Daerah Bekas Penambangan Timah. *Jurnal Nasional Teknik Elektro*, 2(2), 27–34. <https://doi.org/10.20449/jnte.v2i2.71>
- Gazali, M. (2017). Lukisan prasejarah gua. *Imaji*, 15, 11.
<https://journal.uny.ac.id/index.php/imaji/article/view/13886/pdf>
- Kurniawan, D. (2018). *Linear regression*. Development Core Team.
- Linda, 2005. Tata Letak Lukisan Dinding Gua di Kabupaten Maros dan Pangkep, Sulawesi Selatan. Skripsi. Yogyakarta : Fakultas Ilmu Budaya UGM
- Mulyawan, H., Samsono, M. Z. H., & Setiawardhana. (2011). *Identifikasi Dan Tracking Objek Berbasis Image*. 1–5.

http://repo.pens.ac.id/1324/1/Paper_TA_MBAH.pdf

Permana, R. C. E., Gunawijaya, J., Taqyuddin, & Leihitu, I. (2018). *EKO-WISATA-BUDAYA LEANG-LEANG*.

Purnama, R. C. E. (2005). Bentuk Gambar Telapak Tangan Pada Gua-gua Prasejarah Di Kabupanten Pangkajene Kepulauan, Sulawesi Selatan. *Wacana*, 7 No.2, 161–174.

Samodra, Hanang, 2001. Nilai Strategis Kawasan Kars di Indoensia, Pengelolaan danPerlindungannya. Balitbang ESDM Departemen ESDM, Bandung

Situmorang, E. (2018). *Penerapan Metode Logarithmic Pada Proses Komposisi Warna Pada Citra*. 13(September), 280–284.

Somba, N. (2011). Sebaran Lukisan Gua di Wilayah Sulawesi Selatan dan Tenggara Serta Faktor Kerusakannya. *WalennaE*, 12 No.1, 9–16.

Suhartono, Y. (2012). Faktor-Faktor Penyebab Kerusakan Lukisan Gua Prasejarah Di Maros Pangkep dan Upaya Penanganannya. *Jurnal Konservasi Cagar Budaya Borobudur*, 6(1), 14–25.

Suhartono, Y., Atmaja, Y., & Lambang, R. P. (2008). *Studi Konservasi Lukisan Gua Prasejarah di Maros dan Pangkep*.

Yusriana, Khadijah, M. T., Rustan, & Susanti, D. (2020). KETERANCAMAN LUKISAN DINDING GUA PRASEJARAH BULU SIPONG I KABUPATEN PANGKEP SULAWESI SELATAN. *Asian Journal of Environment*, 4(December), 47–56.

LAMPIRAN

Lampiran 1 Data Hasil Perhitungan Data Cuaca Dalam Gua

Temperatur dalam gua (°C)										
Tanggal Pengukuran	"08.00"	"09.00"	"10.00"	"11.00"	"12.00"	"13.00"	"14.00"	"15.00"	"16.00"	"17.00"
24-Mar-2019		28.9	27.7	27.8	27.9	28.1	28.2	28.3	28.4	28.1
10-Oct-2019		30.1	31.2	29.2	29.4	29.9	29.9	30.1	30.2	
24-Mar-2020	27.8	27.7	27.6	27.7	27.8	28	28.1	28.2	28.2	28.1
8-Nov-2020	28.9	28.9	28.6	28.8	28.9	29.3	29.5	29.5	29.5	29.4
22-Mar-2021	28.0	27.4	27.5	27.6	27.9	28.1	28.2	28.3	28.4	28.1
1-Oct-2021	29.1	28.9	28.9	29.1	29.4	29.4	29.5	29.7	29.7	29.6
26-Mar-2022	27.9	27.2	27.5	27.4	27.5	27.8	27.9	28.2	29.5	27.6
20-Oct-2022	27.5	27.4	27.4	27.6	27.9	28.2	28.4	28.7	28.9	28.8

Kelembaban dalam gua (Rh)										
Tanggal Pengukuran	"08.00"	"09.00"	"10.00"	"11.00"	"12.00"	"13.00"	"14.00"	"15.00"	"16.00"	"17.00"
24-Mar-2019		90	97	92	95	94	89	92	92	89
10-Oct-2019		58	64	70	73	75	76	74	72	
24-Mar-2020	91	91	92	90	89	88	87	85	85	85
8-Nov-2020	82	80	86	89	89	88	88	86	87	88
22-Mar-2021	99	99	94	85	80	43	55	93	92	92
1-Oct-2021	78	81	84	84	82	86	80	79	80	81
26-Mar-2022	88	96	94	89	92	92	93	90	89	84
20-Oct-2022	96	99	93	87	84	82	81	82	84	84

Tahun	Julian day	Data Kerusakan (%)	laju kerusakan (%/year)	selisih Rata-Rata Temperatur (°C)	Standar Deviasi Temperatur (°C)	Rata-Rata Kelembaban (Rh)	Standar Deviasi Kelembaban (Rh)
10/102019	0.547945	0.270833333	0.494270833	1.84	0.23905987	-21.97	3.476385899
3/24/2020	0.454795	0.729166667	1.603288153	-2.08	-0.374907426	18.05	-3.494773273
11/8/2020	0.627397	16.45833333	26.2327147	1.21	0.118256941	-2.00	0.310238127
3/21/2021	0.364384	24.27083333	66.60792607	-1.18	0.00064661	-3.10	16.10385408
10/1/2021	0.531507	29.04166667	54.64024914	1.38	-0.034695838	-1.70	-16.61860636
3/26/2022	0.482192	32.00000000	66.36363636	-1.48	0.339202263	9.20	0.927945745
10/20/2022	0.542446	36.93750000	68.09185606	0.23	-0.050728901	-3.50	3.009416553

Lampiran 2 Data Hasil Perhitungan Data Cuaca Luar Gua

Temperatur luar gua (°C)										
Tanggal Pengukuran	"08.00"	"09.00"	"10.00"	"11.00"	"12.00"	"13.00"	"14.00"	"15.00"	"16.00"	"17.00"
24-Mar-2019	27.2	27.79	28.16	28.4	28.53	28.55	28.46	28.17	27.71	27.17
10-Oct-2019	28.76	30.22	31.48	32.2	32.68	32.94	32.9	32.56	31.97	31.05
24-Mar-2020	28.5	28.87	29.01	29.51	29.66	29.59	29.36	28.74	28.14	27.6
8-Nov-2020	29.73	30.59	31.4	32.02	32.38	32.48	32.33	31.96	31.44	30.61
22-Mar-2021	27.12	27.55	28.01	28.37	28.61	28.64	28.51	28.26	27.87	27.37
1-Oct-2021	27.4	27.9	28.28	28.53	28.65	29.01	29.33	29.21	28.82	28
26-Mar-2022	27.93	28.33	28.85	29.15	29.15	28.96	28.65	28.32	27.9	27.39
20-Oct-2022	29.12	30.01	30.76	31.18	31.46	31.49	31.33	31.23	30.84	30.05

Kelembaban luar gua (Rh)										
Tanggal Pengukuran	"08.00"	"09.00"	"10.00"	"11.00"	"12.00"	"13.00"	"14.00"	"15.00"	"16.00"	"17.00"
24-Mar-2019	82.38	78.25	76.25	75.56	75.69	76.25	77.12	78.88	81.75	86
10-Oct-2019	65.19	56.94	51.38	51.12	50.19	48.25	48.38	49.38	50.88	53.56
24-Mar-2020	77.5	71.06	69.94	68.94	69.5	70.81	72.69	76.31	79.75	83.06
8-Nov-2020	58.94	54.5	52.38	51.62	52.56	53.62	55.25	57.44	60	64.31
22-Mar-2021	87.19	83.75	80.31	77.75	76.38	76.44	77.31	78.75	81.5	85.62
1-Oct-2021	82.25	76.5	71.19	67.44	65.62	63.94	63.12	65.12	70.06	76.5
26-Mar-2022	79.31	74.62	72.56	71.75	71.94	72.69	73.69	75.12	77.56	81.31
20-Oct-2022	71.06	66.38	63.44	62.31	62.12	62.75	63.81	67.12	76.25	75.44

Tahun	Julian Day	Data Kerusakan (%)	laju kerusakan (%/year)	selisih Rata-Rata Temperatur (°C)	Standar Deviasi Temperatur (°C)	Rata-Rata Kelembaban (Rh)	Standar Deviasi Kelembaban (Rh)
10/10/2019	0.547945	0.270833333	0.494270833	3.662	0.822454689	-26.286	1.649112649
3/24/2020	0.454795	0.729166667	1.603288153	-2.778	-0.670518901	21.429	-0.245505534
11/8/2020	0.627397	16.45833333	26.2327147	2.596	0.248040066	-17.894	-0.834530159
3/21/2021	0.364384	24.27083333	66.60792607	-3.463	-0.382963779	24.438	-0.160630844
10/1/2021	0.531507	29.04166667	54.64024914	0.482	0.078427338	-10.326	2.50651893
3/26/2022	0.482192	32.00000000	66.36363636	-0.050	-0.025616904	4.881	-3.10570162
10/20/2022	0.542446	36.93750000	68.09185606	2.284	0.189034714	-7.987	2.078569327

Lampiran 3 Hasil Pengolahan Matlab cuaca dalam Gua

```
%Nonlinear modeling of Rate of Cave-art damages at Leang Parewe
%inputs: hourly manual in-situ temperatures and humidities
%during monitoring projects (3 times a year) by pak Rustan et al of
%BPCB (Badan Pelestarian Cagar Budaya Sulsel)
%halmar halide
%Lab. Hidrometeorologi, Dept. Geofisika FMIPA Unhas
%Makassar, 20/12/2022
clear
clf

%https://www.mathworks.com/help/stats/regress.html
%[b,bint,r,rint,stats] = (y,X,alpha)

load parw.dat % {damage rate_of_damage meanT stdT meanRh stdRh}
dmg=parw(:,1)
dmg = 7×1
    0.2708
    0.7292
   16.4583
   24.2708
   29.0417
   32.0000
   36.9375
rod=parw(:,2)
rod = 7×1
    0.4943
    1.6033
   26.2327
   66.6079
   54.6402
   66.3636
   68.0919
mT=parw(:,3)
mT = 7×1
    1.8444
   -2.0800
    1.2100ss
   -1.1800
    1.3800
   -1.4800
    0.2300
sT=parw(:,4)
sT = 7×1
    0.2391
   -0.3749
    0.1183
```

```

0.0006
-0.0347
0.3392
-0.0507
mRh=parw(:,5)
mRh = 7×1
-21.9722
18.0500
-2.0000
-3.1000
-1.7000
9.2000
-3.5000
sRh=parw(:,6)
sRh = 7×1
3.4764
-3.4948
0.3102
16.1039
-16.6186
0.9279
3.0094
y1=dmg
y1 = 7×1
0.2708
0.7292
16.4583
24.2708
29.0417
32.0000
36.9375
y2=rod
y2 = 7×1
0.4943
1.6033
26.2327
66.6079
54.6402
66.3636
68.0919
X= [ones(size(dmg)) mT mRh mT.*sT mRh.*sRh mT.*sRh] %OK
X = 7×6
1.0000    1.8444   -21.9722    0.4409   -76.3839    6.4120
1.0000   -2.0800    18.0500    0.7798   -63.0807    7.2691
1.0000    1.2100   -2.0000    0.1431   -0.6205    0.3754
1.0000   -1.1800   -3.1000   -0.0008   -49.9219   -19.0025

```

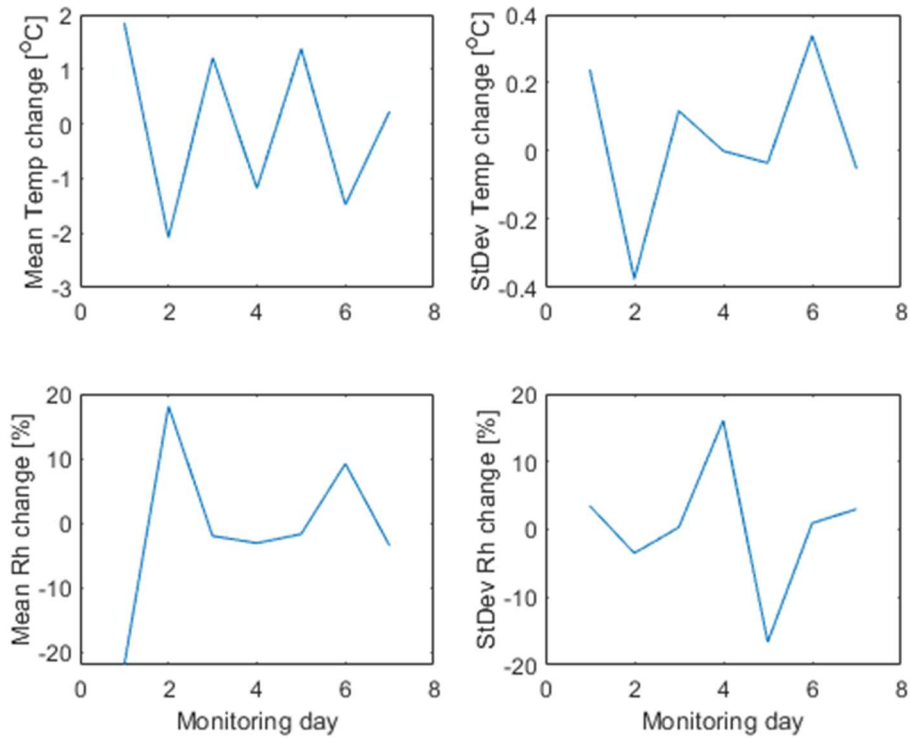
```

1.0000    1.3800   -1.7000   -0.0479    28.2516   -22.9337
1.0000   -1.4800    9.2000   -0.5020    8.5371   -1.3734
1.0000    0.2300   -3.5000   -0.0117   -10.5330    0.6922
b = regress(y2,X)
b = 6×1
    82.3377
   -78.5733
   -9.6968
   129.7746
     2.7169
     0.2128
out=X*b
out = 7×1
    1.5293
    2.1032
   23.6213
   65.3361
   56.0548
   67.1689
   68.2203
t=1:7;

% Menghitung korelasi person dan rmse
R= corr(y2,out)
R = 0.9989
RMSE = sqrt(mean((y2-out).^2))
RMSE = 1.3322

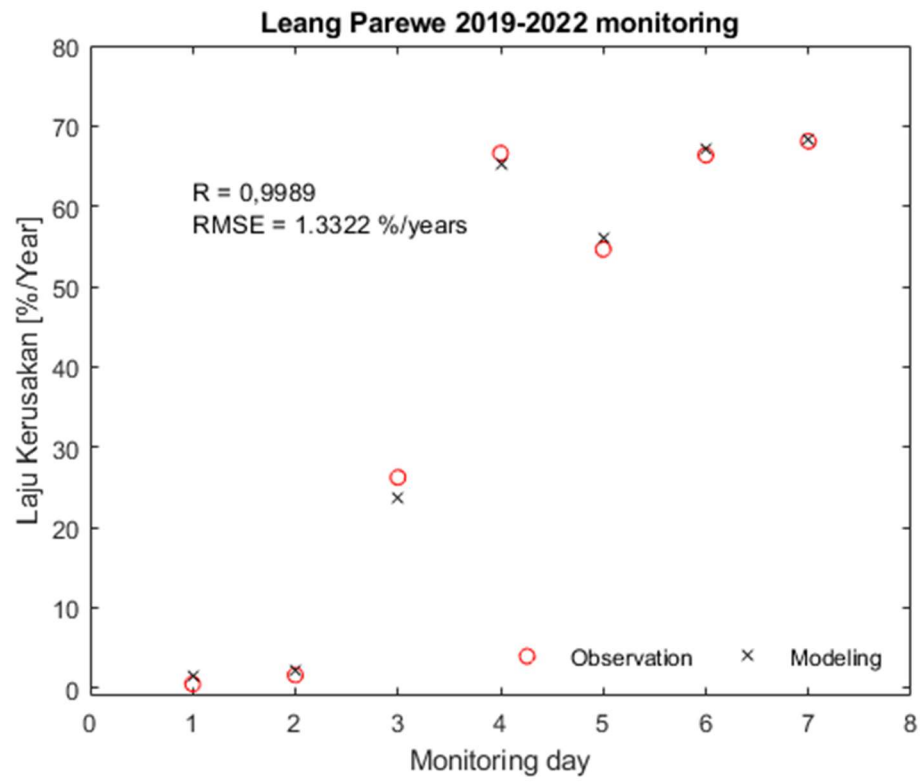
%plotting inputs
subplot(2,2,1),plot(t,mT)
ylabel('Mean Temp change [^oC]')
subplot(2,2,2),plot(t,sT)
ylabel('StDev Temp change [^oC]')
subplot(2,2,3),plot(t,mRh)
xlabel('Monitoring day')
ylabel('Mean Rh change [%]')
subplot(2,2,4),plot(t,sRh)
ylabel('StDev Rh change [%]')
xlabel('Monitoring day')

```



```
clf

%modeling result
plot(t,y2,'or',t,out,'xk')
axis([0 8 -1 80])
legend('Observation','Modeling','location','southeast','orientation',
'horizontal')
legend boxoff
xlabel('Monitoring day')
ylabel('Laju Kerusakan [%/Year]')
str = {'R = 0,9989','RMSE = 1.3322 %/years'};
text(1,60,str)
title('Leang Parewe 2019-2022 monitoring')
```



Lampiran 4 Hasil Pengolahan Matlab cuaca luar Gua

```
%Nonlinear modeling of Rate of Cave-art damages at Leang Parewe  
%inputs: hourly manual in-situ temperatures and humidities  
%during monitoring projects (3 times a year) by pak Rustan et al of  
%BPCB (Badan Pelestarian Cagar Budaya Sulsel)  
%halmar halide  
%Lab. Hidrometeorologi, Dept. Geofisika FMIPA Unhas  
%Makassar, 20/12/2022  
clear  
clf
```

```
%https://www.mathworks.com/help/stats/regress.html  
%[b,bint,r,rint,stats] = (y,X,alpha)
```

```
load parw_o.txt % {damage rate_of_damage meanT stdT meanRh stdRh}  
dmg=parw_o(:,1)
```

```
dmg = 7×1  
    0.2708  
    0.7292  
   16.4583  
   24.2708  
   29.0417  
   32.0000  
   36.9375
```

```
rod=parw_o(:,2)
```

```
rod = 7×1  
    0.4943  
    1.6033  
   26.2327  
   66.6079  
   54.6402  
   66.3636  
   68.0919
```

```
mT=parw_o(:,3)
```

```
mT = 7×1  
    3.6620  
   -2.7780  
    2.5960  
   -3.4630  
    0.4820  
   -0.0500  
    2.2840
```

```
sT=parw_o(:,4)
```

```
sT = 7×1  
    0.8225  
   -0.6705  
    0.2480
```

```

-0.3830
0.0784
-0.0256
0.1890
mRh=parw_o(:,5)
mRh = 7×1
-26.2860
21.4290
-17.8940
24.4380
-10.3260
4.8810
-7.9870
sRh=parw_o(:,6)
sRh = 7×1
1.6491
-0.2455
-0.8345
-0.1606
2.5065
-3.1057
2.0786
y1=dmg
y1 = 7×1
0.2708
0.7292
16.4583
24.2708
29.0417
32.0000
36.9375
y2=rod
y2 = 7×1
0.4943
1.6033
26.2327
66.6079
54.6402
66.3636
68.0919
X= [ones(size(dmg)) mT mRh mT.*sT mRh.*sRh mT.*sRh] %OK
X = 7×6
1.0000    3.6620   -26.2860    3.0118   -43.3486    6.0391
1.0000   -2.7780    21.4290    1.8627   -5.2609    0.6820
1.0000    2.5960   -17.8940    0.6439   14.9331   -2.1664
1.0000   -3.4630    24.4380    1.3262   -3.9255    0.5563

```

```

1.0000    0.4820   -10.3260    0.0378   -25.8823    1.2081
1.0000   -0.0500    4.8810    0.0013   -15.1589    0.1553
1.0000    2.2840   -7.9870    0.4318   -16.6015    4.7475

```

```
b = regress(y2,X)
```

```

b = 6×1
    63.9197
   -3.7949
    0.0266
  -27.9604
    0.2810
    7.0031

```

```
out=X*b
```

```

out = 7×1
   -4.7774
   26.2482
   24.6124
   43.4231
   61.9467
   61.0314
   71.5495

```

```
t=1:7;
```

```
% Menghitung korelasi person dan rmse
```

```
R= corr(y2,out)
```

```
R = 0.8801
```

```
RMSE = sqrt(mean((y2-out).^2))
```

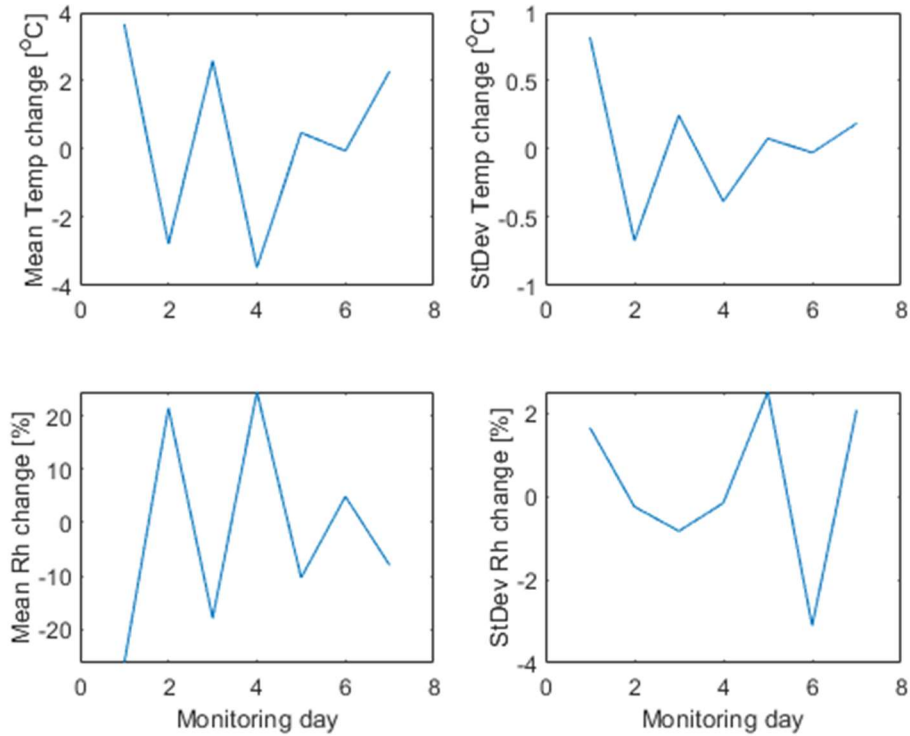
```
RMSE = 13.4648
```

```
%plotting inputs
```

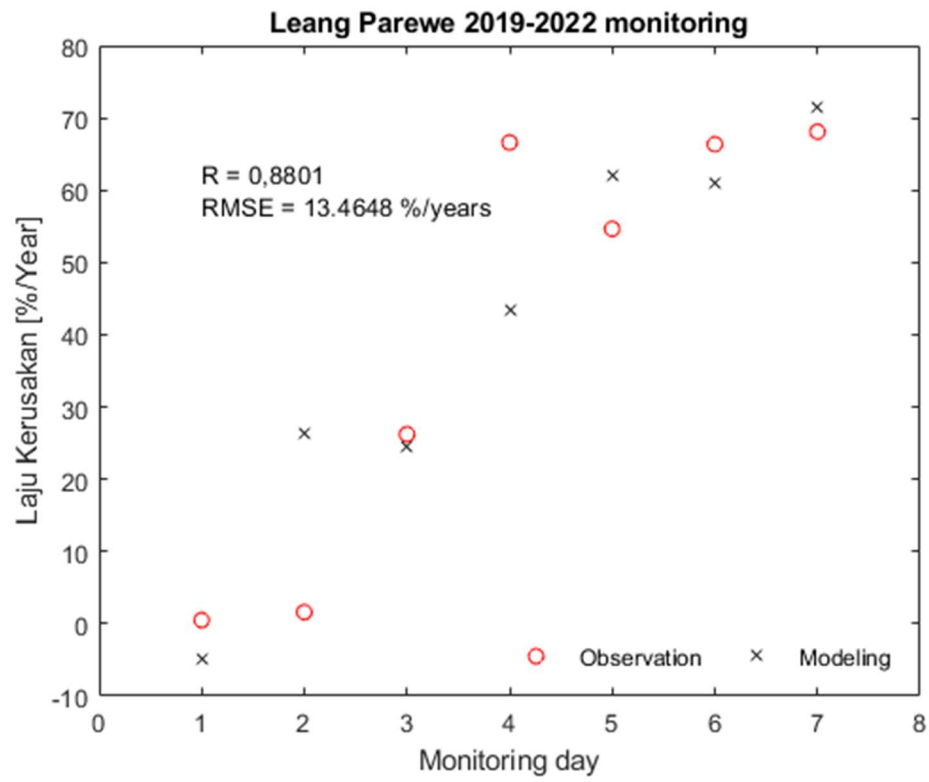
```

subplot(2,2,1),plot(t,mT)
ylabel('Mean Temp change [^oC]')
subplot(2,2,2),plot(t,sT)
ylabel('StDev Temp change [^oC]')
subplot(2,2,3),plot(t,mRh)
xlabel('Monitoring day')
ylabel('Mean Rh change [%]')
subplot(2,2,4),plot(t,sRh)
ylabel('StDev Rh change [%]')
xlabel('Monitoring day')

```



```
clf
%exitt
%modeling result
plot(t,y2,'or',t,out,'xk')
axis([0 8 -10 80])
legend('Observation','Model','location','southeast','orientation','h
orizantal')
legend boxoff
xlabel('Monitoring day')
ylabel('Laju Kerusakan [%/Year]')
str = {'R = 0,8801','RMSE = 13.4648 %/years'};
text(1,60,str)
title('Leang Parewe 2019-2022 monitoring')
```



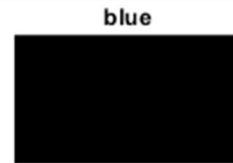
Lampiran 5 Hasil Perhitungan Pixel

Nilai Pixel Kerusakan lukisan leang parewe 24 maret 2019

```
clear all;close all;clf
A=imread('PAREWE2019.jpg');

rgb=A;
bluePoints=rgb(:,:,1)<=20 & rgb(:,:,2)<=180 & rgb(:,:,3)>=180; % 0 0
255
total=size(rgb,1)*size(rgb,2)
total = 10108160
percentBlue = 100*(sum(sum(bluePoints))/(total));
fprintf('Image has %d blue pixels\n',sum(sum(bluePoints)))
Image has 48 blue pixels

rgbBlue = uint8(cat(3,bluePoints,bluePoints,bluePoints)).*rgb;
subplot(2,3,1),imshow(rgb),title('raw');hold on
subplot(2,3,3),imshow(rgbBlue),title('blue');
```



Nilai Pixel Kerusakan lukisan leang parewe 10 Oktober 2019

```
clear all;close all;clf
A=imread('PAREWE2019A.jpg');
rgb=A;

bluePoints=rgb(:,:,1)<=20 & rgb(:,:,2)<=180 & rgb(:,:,3)>=180; % 0 0
255
total=size(rgb,1)*size(rgb,2)
total = 10108160
percentBlue = 100*(sum(sum(bluePoints))/(total));
fprintf('Image has %d blue pixels\n',sum(sum(bluePoints)))
Image has 61 blue pixels

rgbBlue = uint8(cat(3,bluePoints,bluePoints,bluePoints)).*rgb;
subplot(2,3,1),imshow(rgb),title('raw');hold on
```

```
subplot(2,3,3),imshow(rgbBlue),title('blue');
```



Nilai Pixel Kerusakan lukisan leang parewe 24 Maret 2020

```
clear all;close all;clf
A=imread('PAREWE2020F.jpg');
rgb=A;
```

```
bluePoints=rgb(:,:,1)<=20 & rgb(:,:,2)<=180 & rgb(:,:,3)>=180; % 0 0
255
```

```
total=size(rgb,1)*size(rgb,2)
```

```
total = 10108160
```

```
percentBlue = 100*(sum(sum(bluePoints))/(total));
```

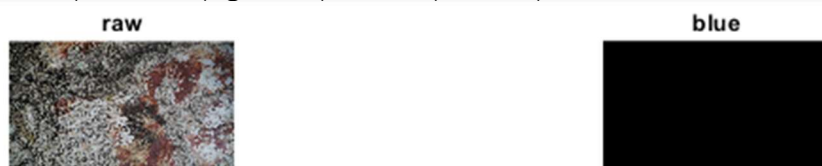
```
fprintf('Image has %d blue pixels\n',sum(sum(bluePoints)))
```

```
Image has 83 blue pixels
```

```
rgbBlue = uint8(cat(3,bluePoints,bluePoints,bluePoints)).*rgb;
```

```
subplot(2,3,1),imshow(rgb),title('raw');hold on
```

```
subplot(2,3,3),imshow(rgbBlue),title('blue');
```



Nilai Pixel Kerusakan lukisan leang parewe 11 Agustus 2020

```
clear all;close all;clf
A=imread('PAREWE2020A.jpg');
rgb=A;
```

```
bluePoints=rgb(:,:,1)<=20 & rgb(:,:,2)<=180 & rgb(:,:,3)>=180; % 0 0
255
```

```
total=size(rgb,1)*size(rgb,2)
```

```
total = 10108160
percentBlue = 100*(sum(sum(bluePoints))/(total));
fprintf('Image has %d blue pixels\n',sum(sum(bluePoints)))
Image has 838 blue pixels
rgbBlue = uint8(cat(3,bluePoints,bluePoints,bluePoints)).*rgb;
subplot(2,3,1),imshow(rgb),title('raw');hold on
subplot(2,3,3),imshow(rgbBlue),title('blue');
```



Nilai Pixel Kerusakan lukisan leang parewe 21 Maret 2021

```
clear all;close all;clf
A=imread('PAREWE2021.jpg');
rgb=A;

bluePoints=rgb(:,:,1)<=20 & rgb(:,:,2)<=180 & rgb(:,:,3)>=180; % 0 0
255

total=size(rgb,1)*size(rgb,2)
total = 10108160
percentBlue = 100*(sum(sum(bluePoints))/(total));
fprintf('Image has %d blue pixels\n',sum(sum(bluePoints)))
Image has 1213 blue pixels
rgbBlue = uint8(cat(3,bluePoints,bluePoints,bluePoints)).*rgb;
subplot(2,3,1),imshow(rgb),title('raw');hold on
subplot(2,3,3),imshow(rgbBlue),title('blue');
```



Nilai Pixel Kerusakan lukisan leang parewe 1 Oktober 2021

```
clear all;close all;clf
A=imread('PAREWE2021A.jpg');
rgb=A;
```

```

bluePoints=rgb(:,:,1)<=20 & rgb(:,:,2)<=180 & rgb(:,:,3)>=180; % 0 0
255

total=size(rgb,1)*size(rgb,2)
total = 10108160
percentBlue = 100*(sum(sum(bluePoints))/(total));
fprintf('Image has %d blue pixels\n',sum(sum(bluePoints)))
Image has 1442 blue pixels
rgbBlue = uint8(cat(3,bluePoints,bluePoints,bluePoints)).*rgb;
subplot(2,3,1),imshow(rgb),title('raw');hold on
subplot(2,3,3),imshow(rgbBlue),title('blue');

```



Nilai Pixel Kerusakan lukisan leang parewe 26 Maret 2022

```

clear all;close all;clf
A=imread('PAREWE2022.jpg');
rgb=A;

bluePoints=rgb(:,:,1)<=20 & rgb(:,:,2)<=180 & rgb(:,:,3)>=180; % 0 0
255

total=size(rgb,1)*size(rgb,2)
total = 10108160
percentBlue = 100*(sum(sum(bluePoints))/(total));
fprintf('Image has %d blue pixels\n',sum(sum(bluePoints)))
Image has 1584 blue pixels
rgbBlue = uint8(cat(3,bluePoints,bluePoints,bluePoints)).*rgb;
subplot(2,3,1),imshow(rgb),title('raw');hold on
subplot(2,3,3),imshow(rgbBlue),title('blue');

```

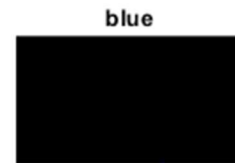


Nilai Pixel Kerusakan lukisan leang parewe 20 Oktober 2022

```
clear all;close all;clf
A=imread('PAREWE2022A.jpg');
rgb=A;

bluePoints=rgb(:,:,1)<=20 & rgb(:,:,2)<=180 & rgb(:,:,3)>=180; % 0 0
255

total=size(rgb,1)*size(rgb,2)
total = 10108160
percentBlue = 100*(sum(sum(bluePoints))/(total));
fprintf('Image has %d blue pixels\n',sum(sum(bluePoints)))
Image has 1821 blue pixels
rgbBlue = uint8(cat(3,bluePoints,bluePoints,bluePoints)).*rgb;
subplot(2,3,1),imshow(rgb),title('raw');hold on
subplot(2,3,3),imshow(rgbBlue),title('blue');
```



Lampiran 6 Data Poligon

23 Maret 2019



10 Oktober 2019



24 Maret 2020



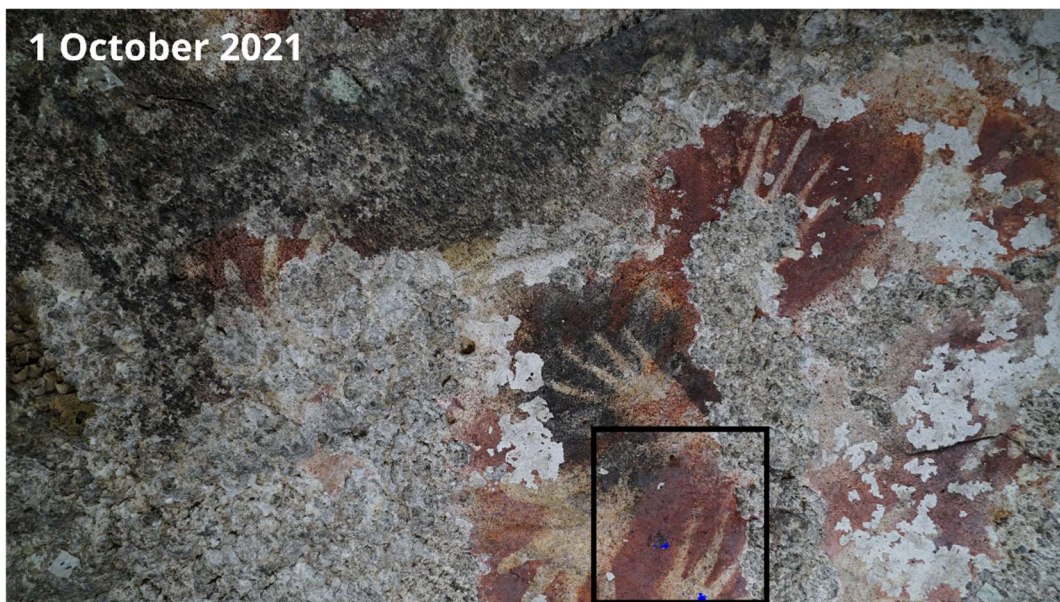
8 November 2020



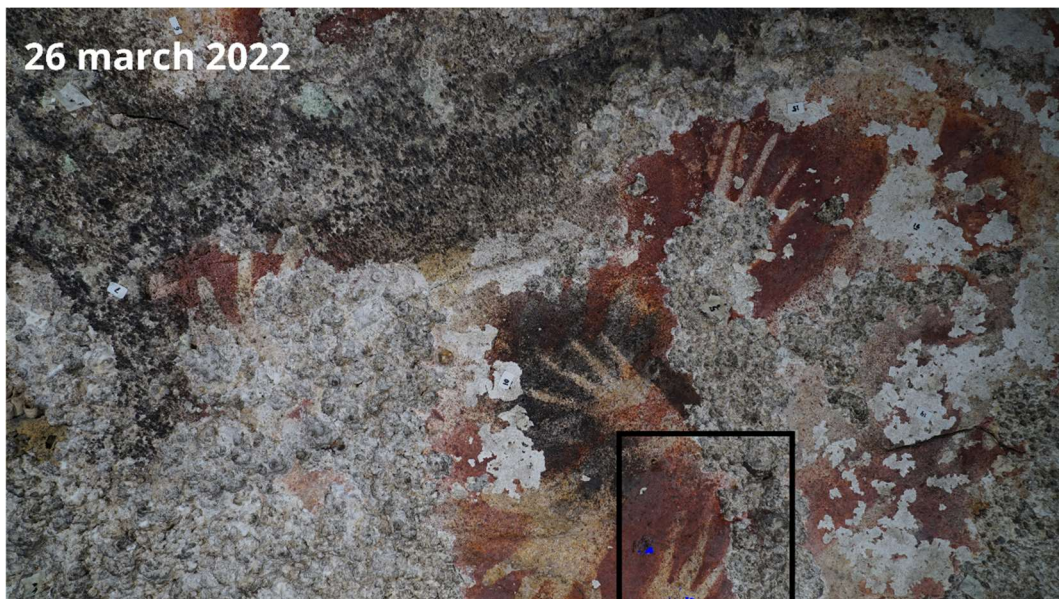
21 Maret 2021



1 Oktober 2021



26 Maret 2022



10 Oktober 2022

