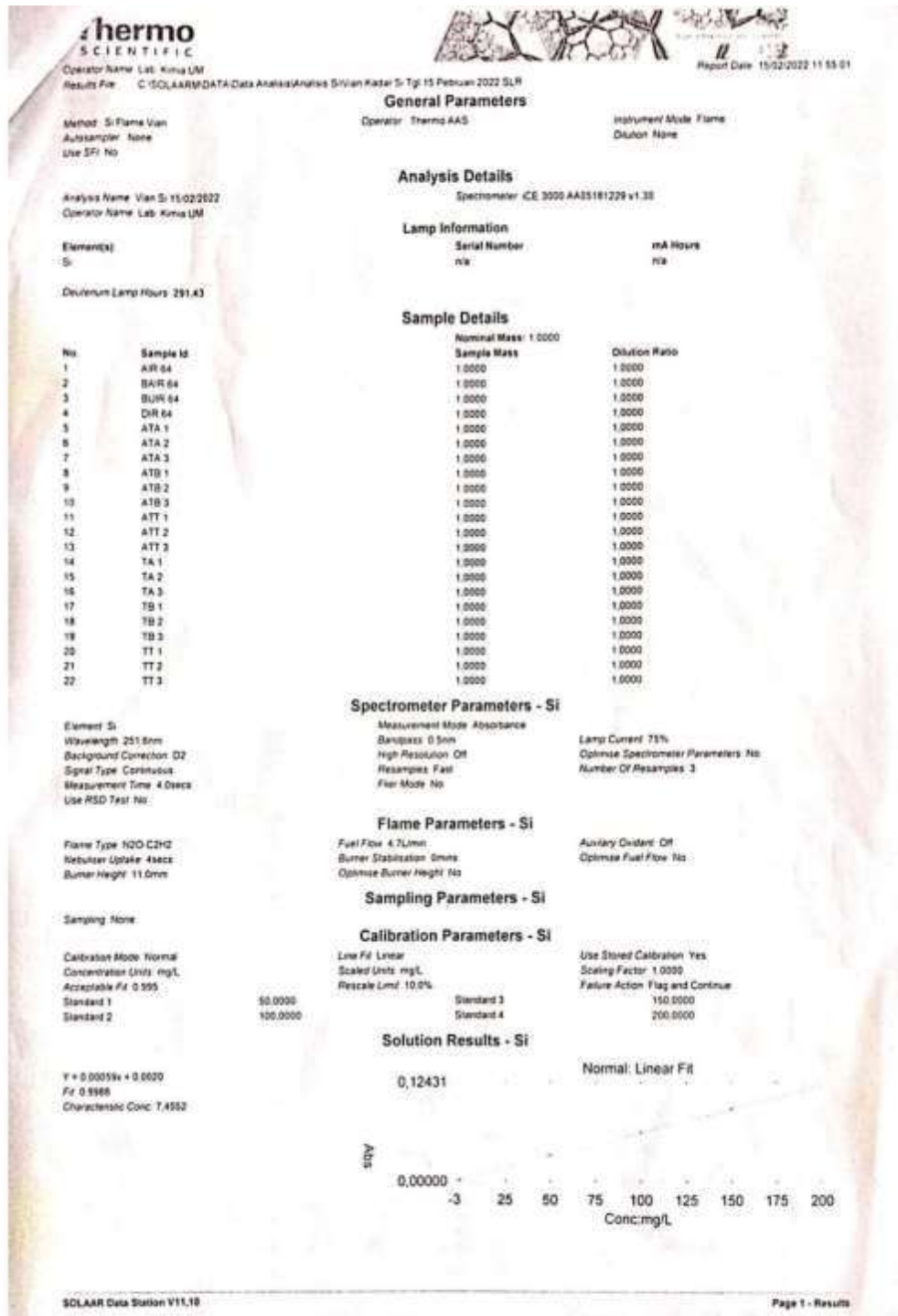


Lampiran 1. Absorbansi dari Sampel



SOLAR AA Report

Lab. Kimia UIR
 C:\SOLAR\DATA>Data Analisis\Analisa Si\Van Fator Si Tgl 15 Februari 2022 SLR

Report Date: 15/02/2022 11:55:01

Solution Results - Si

Sample ID	Signal	Rad	Conc	Corrected Conc
	Abs	%	mg/L	mg/L
SI AR 64	0.0254	2.2	31,1305	31,1305
	0.0255	Background 0.0014		15/02/2022 11:16:23
	0.0258	Background 0.0013		15/02/2022 11:16:27
SI BAR 64	0.0213	2.5	32,5841	32,5841
	0.0210	Background 0.0018		15/02/2022 11:17:30
	0.0221	Background 0.0008		15/02/2022 11:17:35
SI BUR 64	0.0257	Background 0.0009		15/02/2022 11:17:38
	0.0220	1.7	33,7514	33,7514
	0.0218	Background 0.0019		15/02/2022 11:18:47
SI DR 64	0.0217	Background 0.0011		15/02/2022 11:18:51
	0.0224	Background 0.0014		15/02/2022 11:18:55
	0.0342	5.8	54,4831	54,4831
SI OR 64	0.0360	Background 0.0010		15/02/2022 11:20:32
	0.0346	Background 0.0012		15/02/2022 11:20:38
	0.0320	Background 0.0013		15/02/2022 11:20:40
SI ATA 1	0.0088	1.8	11,8204	11,8204
	0.0091	Background 0.0008		15/02/2022 11:23:32
	0.0088	Background 0.0006		15/02/2022 11:23:36
SI ATA 2	0.0088	Background 0.0007		15/02/2022 11:23:41
	0.0098	4.8	12,8868	12,8868
	0.0093	Background 0.0004		15/02/2022 11:27:47
SI ATA 3	0.0093	Background 0.0001		15/02/2022 11:27:51
	0.0100	Background 0.0002		15/02/2022 11:27:55
	0.0072	5.7	8,7272	8,7272
SI ATB 1	0.0098	Background 0.0004		15/02/2022 11:29:23
	0.0098	Background 0.0000		15/02/2022 11:29:28
	0.0072	Background 0.0003		15/02/2022 11:29:32
SI ATB 2	0.0082	10.2	10,4468	10,4468
	0.0073	Background 0.0010		15/02/2022 11:31:13
	0.0090	Background 0.0002		15/02/2022 11:31:17
SI ATB 3	0.0084	Background 0.0002		15/02/2022 11:31:21
	0.0335	1.5	62,2398	62,2398
	0.0330	Background 0.0015		15/02/2022 11:33:22
SI ATB 4	0.0330	Background 0.0014		15/02/2022 11:33:28
	0.0340	Background 0.0009		15/02/2022 11:33:31
	0.0873	2.4	144,4139	144,4139
SI ATT 1	0.0843	Background -0.0005		15/02/2022 11:35:58
	0.0874	Background -0.0004		15/02/2022 11:36:02
	0.0901	Background -0.0005		15/02/2022 11:36:06
SI ATT 2	0.0214	5.7	32,7373	32,7373
	0.0212	Background -0.0006		15/02/2022 11:38:24
	0.0229	Background -0.0010		15/02/2022 11:38:28
SI ATT 3	0.0262	Background -0.0011		15/02/2022 11:38:32
	0.0172	7.8	28,7223	28,7223
	0.0171	Background -0.0009		15/02/2022 11:39:53
SI ATT 4	0.0188	Background -0.0010		15/02/2022 11:39:57
	0.0160	Background -0.0011		15/02/2022 11:40:02
	0.0412	7.3	68,5151	68,5151
SI TA 1	0.0401	Background 0.0005		15/02/2022 11:41:51
	0.0447	Background 0.0004		15/02/2022 11:41:55
	0.0591	Background 0.0003		15/02/2022 11:41:58
SI TA 2	0.0890	8.3	184,2328	184,2328
	0.1028	Background 0.0022		15/02/2022 11:43:07
	0.0929	Background 0.0020		15/02/2022 11:43:12
SI TA 3	0.1012	Background 0.0017		15/02/2022 11:43:16
	0.1184	8.2	197,0853	197,0853
	0.1223	Background 0.0021		15/02/2022 11:44:30
SI TA 4	0.1229	Background 0.0024		15/02/2022 11:44:34
	0.1098	Background 0.0003		15/02/2022 11:44:38
	0.1333	4.3	222,4605 C	222,4605 C
SI TB 1	0.1335	Background 0.0033		15/02/2022 11:45:52
	0.1276	Background 0.0031		15/02/2022 11:45:56
	0.1383	Background 0.0026		15/02/2022 11:46:01
SI TB 2	0.1024	10.2	170,1101	170,1101
	0.0905	Background 0.0020		15/02/2022 11:47:19
	0.1069	Background 0.0018		15/02/2022 11:47:23
SI TB 3	0.1099	Background 0.0020		15/02/2022 11:47:28

SOLAAR AA Report

Lab. Kimia UIR
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Report Date: 15/02/2022 11:55:01

Solution Results - Si

Sample ID	Signal	Red %	Conc mg/L	Corrected Conc. mg/L
Si TB 2	0.0971	1.2	161.0199	161.0199
	0.1004		Background 0.0014	15/02/2022 11:48:50
	0.0996		Background 0.0011	15/02/2022 11:48:55
Si TB 3	0.0912		Background 0.0014	15/02/2022 11:48:58
	0.1116	2.2	185.7113	185.7113
	0.1106		Background 0.0019	15/02/2022 11:49:06
Si TB 3	0.1145		Background 0.0024	15/02/2022 11:50:00
	0.1098		Background 0.0026	15/02/2022 11:50:04
	0.0832	2.6	154.6411	154.6411
Si TT 1	0.0627		Background 0.0029	15/02/2022 11:50:53
	0.0913		Background 0.0018	15/02/2022 11:51:04
	0.0960		Background 0.0026	15/02/2022 11:51:08
Si TT 2	0.1028	6.4	170.8952	170.8952
	0.1083		Background 0.0028	15/02/2022 11:52:20
	0.0956		Background 0.0025	15/02/2022 11:52:24
Si TT 3	0.1045		Background 0.0020	15/02/2022 11:52:29
	0.0890	1.8	140.8233	140.8233
	0.0858		Background 0.0022	15/02/2022 11:53:49
Si TT 3	0.0832		Background 0.0019	15/02/2022 11:53:53
	0.0841		Background 0.0018	15/02/2022 11:53:58



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LABORATORIUM KIMIA
Jalan Semarang 5, Malang 65145
Telepon: 0341- 562180
Laman: www.um.ac.id

FPO
5.10-1

FORMULIR	Tgl. Terbit / Revisi : 16 Februari 2022
JUDUL LAPORAN HASIL PENGUJIAN	Halaman : 1-2
	File : Vian Diah Sukma Rini

Nomor : 014/UN.32.3.7.3/LT/2022
Nama Pemilik : Vian Diah Sukma Rini
Alamat : Udayana Singaraja - Bali
Jenis contoh : Cairan
Metode Uji : AAS
Tanggal Terima Sampel : 24 Januari 2022
Tanggal Uji Sampel : 15 Februari 2022
Kondisi khusus dari contoh : tidak ada
Hasil Pengujian : Kadar Silika (Si)

No	Kode Sampel	Si (ppm)	Keterangan
1	ATA 1	11,6304	-Semua sampel dianalisis melalui tiga pembacaan dan data di sebelah kiri adalah hasil rerata. -Untuk sampel no. 10 sampai dengan no. 22 (kode sampel AIR 64, BAIR 64, BUIR, DIR 64, TA 1, TA 2, TA 3, TB 1, TB 2, TB 3, TT 1, TT 2, dan TT3) semua melalui pengenceran 100 X.
2	ATA 2	12,6988	
3	ATA 3	8,7272	
4	ATB 1	10,4468	
5	ATB 2	53,2396	
6	ATB 3	144,4139	
7	ATT 1	32,7373	
8	ATT 2	25,7223	
9	ATT 3	66,5151	
10	AIR 64	31,1305	

Dipindai dengan CamScanner



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5.10-1

FORMULIR	Tgl. Terbit / Revisi : 16 Februari 2022
LAPORAN HASIL PENGUJIAN	Halaman : 2-2 File : Vian Diah Sukma Rini

No	Kode Sampel	Si (ppm)	Keterangan
12	BUIR 64	33,7514	
13	DIR 64	54,4831	
14	TA 1	164,2326	
15	TA 2	197,0853	
16	TA 3	222,4605	
17	TB 1	170,1101	
18	TB 2	161,0199	
19	TB 3	185,7113	
20	TT 1	154,6411	
21	TT 2	170,66952	
22	TT 3	140,6333	

Malang, 16 Februari 2022
Kepala Laboratorium Kimia,

Dr. H. Yudhi Utomo M. Si
NIP. 196705011996031002

Lampiran 2. Absorbansi Kandungan Silikon Pada Bagian Tanaman Padi Dan Spesimen Tanah Dan Air Sawah

Sample	Con. (ppm)	Means Abs	Abs 1	Abs 2	Abs 3	STDeV
TA 1	164.2326	0.0989	0.1028	0.0929	0.1012	0.005314
TT 1	154.6411	0.0933	0.0927	0.0913	0.0960	0.002413
TB 1	170.1101	0.1024	0.0905	0.1069	0.1099	0.010443
TA 2	197.0853	0.1184	0.1223	0.1229	0.1099	0.007338
TT 2	170.66952	0.1028	0.1083	0.0958	0.1045	0.006408
TB 2	161.0199	0.0971	0.1004	0.0996	0.0912	0.005096
TA 3	222.4605	0.1333	0.1335	0.1276	0.1389	0.005652
TT 3	140.6333	0.0850	0.0858	0.0852	0.0841	0.000862
TB 3	185.7113	0.1116	0.1106	0.1145	0.1098	0.002515
ATA 1	116.304	0.0089	0.0091	0.0088	0.0088	0.000173
ATT 1	32.7373	0.0214	0.0212	0.0226	0.0202	0.001206
ATB 1	10.4468	0.0082	0.0073	0.0090	0.0084	0.000862
ATA 2	12.6988	0.0095	0.0093	0.0093	0.0100	0.000404
ATT 2	25.7223	0.0172	0.0171	0.0186	0.0160	0.001305
ATB 2	53.2396	0.0335	0.0330	0.0335	0.0340	0.000500
ATA 3	8.7272	0.0072	0.0068	0.0076	0.0072	0.000400
ATT 3	66.5151	0.0413	0.0401	0.0447	0.0391	0.002987
ATB 3	144,4139	0.0873	0.0843	0.0874	0.0901	0.002902
AIR 64	31.1305	0.0204	0.0205	0.0208	0.0199	0.000458
BAIR 64	32.5841	0.0213	0.0210	0.0221	0.0207	0.000737
DIR 64	54.4831	0.0342	0.0360	0.0346	0.0320	0.00203
BUIR 64	33.7514	0.0220	0.0218	0.0217	0.0224	0.000379

Dari lampiran 03 Abs. 1, Abs. 2, Abs. 3 hadir sebagai waktu instrumen untuk mengukur absorbansi silikon spesimen TA 1, TT 1, TB 1, TA 2, TT 2, TB 2, TA 3, TT 3, TB 3 merupakan spesimen tanah “atas” “tengah” “bawah” dari spesimen “tanah 1,” “tanah 2,” dan “tanah 3”. Spesimen ATA1, ATA 2, ATA 3, ATT1, ATT 2, ATT3,

ATB 1, ATB2, ATB3 yang merupakan spesimen dari bagian “ air sawah 1,” air sawah 2,” air sawah 3”. Spesimen AIR 64, BAIR 64, DIR 64, BUIR 64 merupakan spesimen dari berbagai bagian-bagian tanaman padi varietas IR 64 diantaranya “akar,” batang,”daun,” dan buah padi”.



Lampiran 3 Menentukan hasil konsentrasi bagian tanaman padi, tanah dan air sawah sebagai berikut

Untuk menentukan konsentrasi dari persamaan kurva kalibrasi larutan standar dengan persamaan $y = 0,0006x + 0,0020$

Sample	Absorbansi			Concentration			Rerata	Stdev
	A1	A2	A3	C1(ppm)	C2(ppm)	C3(ppm)		
Akar	0,0205	0,0208	0,0199	30,8333	31,3333	29,8333	30,67	0,76
Batang	0,0210	0,0221	0,0207	31,6667	33,5000	31,1667	32,11	1,23
Daun	0,0360	0,0346	0,0320	56,6667	54,3333	50,0000	53,67	3,38
Buah	0,0218	0,0217	0,0224	33,0000	32,8333	34,0000	33,28	0,63
TA 1	0,1028	0,0929	0,1012	168,0000	151,5000	165,3333	161,61	8,86
TA 2	0,1223	0,1229	0,1099	200,5000	201,5000	179,8333	193,94	12,23
TA 3	0,1335	0,1276	0,1389	219,1667	209,3333	228,1667	218,89	9,42
TT 1	0,0927	0,0913	0,0960	151,1667	148,8333	156,6667	152,22	3,28
TT 2	0,1083	0,0958	0,1045	177,1667	156,3333	170,8333	168,11	10,68
TT 3	0,0858	0,0852	0,0841	139,6667	138,6667	136,8333	138,39	1,44
TB 1	0,0905	0,1069	0,1099	147,5000	174,8333	179,8333	167,39	14,21
TB 2	0,1004	0,0996	0,0912	164,0000	162,6667	148,6667	158,44	8,49
TB 3	0,1106	0,1145	0,1098	181,0000	187,5000	179,6667	182,72	4,19
ATA 1	0,0091	0,0088	0,0088	11,8333	11,3333	11,3333	11,50	0,29
ATA 2	0,0093	0,0093	0,0100	12,1667	12,1667	13,3333	12,56	0,67
ATA 3	0,0068	0,0076	0,0072	8,0000	9,3333	8,6667	8,67	0,67
ATT 1	0,0212	0,0226	0,0202	32,0000	34,3333	30,3333	32,22	2,01
ATT 2	0,0171	0,0186	0,0160	25,1667	27,6667	23,3333	25,39	2,18
ATT 3	0,0401	0,0447	0,0391	63,5000	71,1667	61,8333	65,50	4,98
ATB 1	0,0073	0,0090	0,0084	8,8333	11,6667	10,6667	10,39	1,44
ATB 2	0,0330	0,0335	0,0340	51,6667	52,5000	53,3333	52,50	0,83
ATB 3	0,0843	0,0874	0,0901	137,1667	142,3333	146,8333	142,11	4,84

Lampiran 4 . Perhitungan Persentase Si bagian Tanaman Padi IR 64, Tanah dan Air Sawah

1. % Si dari AIR 64

- Konsentrasi 1 sample akar 30,8333

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{30,8333 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 1,54\%$$

- Konsentrasi 2 sample akar 31,3333

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{31,3333 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 1,57\%$$

- Konsentrasi 3 sample akar 29,8333

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{29,8333 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 1,49\%$$

2. %Si dari BAIR 64

- Konsentrasi 1 sample batang 31,6667

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{31,6667 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 1,58\%$$

- Konsentrasi 2 sample batang 33,5

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{33,5 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 1,68\%$$

- Konsentrasi 3 sample batang 31,1667

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{31,1667 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 1,56\%$$

3. %Si dari DIR 64

- Konsentrasi 1 sample daun 56,6667

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{56,6667 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 2,83\%$$

- Konsentrasi 2 sample daun 54,3333

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{54,3333 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 2,72\%$$

- Konsentrasi 3 sample daun 50

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{50 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 2,50\%$$

4. %Si dari BUIR 64

- Konsentrasi 1 sample buah 33

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{33 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 1,65\%$$

- Konsentrasi 2 sample buah 32,8333

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{32,8333 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 1,64\%$$

- Konsentrasi 3 sample buah 34

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{34 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 1,70\%$$

1. %Si dari sampel tanah atas 1 (TA 1)

- Konsentrasi 1 sampel (tanah atas 1) 168

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{168 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,025 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 10,50\%$$

- Konsentrasi 2 sampel (tanah atas 1) 151,5

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{151,5 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,025 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 9,47\%$$

- Konsentrasi 3 sampel (tanah atas 1) 165,3333

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{165,3333 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,025 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 10,33\%$$

2. %Si dari sampel tanah atas 2 (TA 2)

- Konsentrasi 1 sampel (tanah atas 2) 200,5

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{200,5 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,025 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 12,53\%$$

- Konsentrasi 2 sampel (tanah atas 2) 201,5

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{201,5 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,025 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 12,59\%$$

- Konsentrasi 3 sampel (tanah atas 2) 179,8333

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{179,8333 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,025 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 11,21\%$$

3. %Si dari sampel tanah atas (TA 3)

- Konsentrasi 1 sampel (tanah atas 3) 219,1667

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{219,1667 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,025 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 13,70\%$$

- Konsentrasi 2 sampel (tanah atas 3) 209,3333

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{209,3333 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,025 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 13,08\%$$

- Konsentrasi 3 sampel (tanah atas 3) 228,1667

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{228,1667 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,025 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 14,26\%$$

4. %Si dari sampel tanah tengah (TT 1)

- Konsentrasi 1 sampel (tanah tengah) 151,1667

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{151,1667 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,025 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 9,45\%$$

- Konsentrasi 2 sampel (tanah tengah 1) 148,8333

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{148,8333 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,025 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 9,30\%$$

- Konsentrasi 3 sampel (tanah tengah 1) 156,6667

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{156,6667 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,025 \text{ (l)} \times 100}{4 \times 10^3 \text{ (mg)}} \times 100\% = 9,79\%$$

5. %Si dari sampel tanah tengah 2 (TT 2)

- Konsentrasi 1 sampel (tanah tengah 2) 177,1667

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{177,1667 \left(\frac{mg}{l}\right) \times 0,025 (l) \times 100}{4 \times 10^3 (mg)} \times 100\% = 11,07\%$$

- Konsentrasi 2 sampel (tanah tengah 2) 156,3333

$$\%Si = \frac{Conc (mg/l) \times Volume Sampel (l) \times Faktor Pengenceran}{Masa Sampel (mg)} \times 100\%$$

$$\%Si = \frac{156,3333 \left(\frac{mg}{l}\right) \times 0,025 (l) \times 100}{4 \times 10^3 (mg)} \times 100\% = 9,77\%$$

- Konsentrasi 3 sampel (tanah tengah 2) 170,8333

$$\%Si = \frac{Conc (mg/l) \times Volume Sampel (l) \times Faktor Pengenceran}{Masa Sampel (mg)} \times 100\%$$

$$\%Si = \frac{170,8333 \left(\frac{mg}{l}\right) \times 0,025 (l) \times 100}{4 \times 10^3 (mg)} \times 100\% = 10,68\%$$

6. %Si dari sampel tanah tengah 3 (TT 3)

- Konsentrasi 1 sampel (tanah tengah 3) 139,6667

$$\%Si = \frac{Conc (mg/l) \times Volume Sampel (l) \times Faktor Pengenceran}{Masa Sampel (mg)} \times 100\%$$

$$\%Si = \frac{139,6667 \left(\frac{mg}{l}\right) \times 0,025 (l) \times 100}{4 \times 10^3 (mg)} \times 100\% = 8,73\%$$

- Konsentrasi 2 sampel (tanah tengah 3) 138,6667

$$\%Si = \frac{Conc (mg/l) \times Volume Sampel (l) \times Faktor Pengenceran}{Masa Sampel (mg)} \times 100\%$$

$$\%Si = \frac{138,6667 \left(\frac{mg}{l}\right) \times 0,025 (l) \times 100}{4 \times 10^3 (mg)} \times 100\% = 8,67\%$$

- Konsentrasi 3 sampel (tanah tengah 3) 136,8333

$$\%Si = \frac{Conc (mg/l) \times Volume Sampel (l) \times Faktor Pengenceran}{Masa Sampel (mg)} \times 100\%$$

$$\%Si = \frac{136,8333 \left(\frac{mg}{l}\right) \times 0,025 (l) \times 100}{4 \times 10^3 (mg)} \times 100\% = 8,55\%$$

7. %Si dari sampel tanah bawah 1 (TB 1)

- Konsentrasi 1 sampel (tanah bawah 1) 147,5

$$\%Si = \frac{Conc (mg/l) \times Volume Sampel (l) \times Faktor Pengenceran}{Masa Sampel (mg)} \times 100\%$$

$$\%Si = \frac{147,5 \left(\frac{mg}{l}\right) \times 0,025 (l) \times 100}{4 \times 10^3 (mg)} \times 100\% = 9,22\%$$

- Konsentrasi 2 sampel (tanah bawah 1) 174,8333

$$Si = \frac{Conc (mg/l) \times Volume Sampel (l) \times Faktor Pengenceran}{Masa Sampel (mg)} \times 100\%$$

$$\%Si = \frac{174,8333 \left(\frac{mg}{l}\right) \times 0,025 (l) \times 100}{4 \times 10^3 (mg)} \times 100\% = 10,39\%$$

- Konsentrasi 3 sampel (tanah bawah 1) 179,8333

$$Si = \frac{Conc (mg/l) \times Volume Sampel (l) \times Faktor Pengenceran}{Masa Sampel (mg)} \times 100\%$$

$$\%Si = \frac{179,8333 \left(\frac{mg}{l}\right) \times 0,025 (l) \times 100}{4 \times 10^3 (mg)} \times 100\% = 11,24\%$$

8. %Si dari sampel tanah bawah 2 (TB 2)

- Konsentrasi 1 sampel (tanah bawah 2) 164

$$Si = \frac{Conc (mg/l) \times Volume Sampel (l) \times Faktor Pengenceran}{Masa Sampel (mg)} \times 100\%$$

$$\%Si = \frac{164 \left(\frac{mg}{l}\right) \times 0,025 (l) \times 100}{4 \times 10^3 (mg)} \times 100\% = 10,25\%$$

- Konsentrasi 2 sampel (tanah bawah 2) 162,6667

$$Si = \frac{Conc (mg/l) \times Volume Sampel (l) \times Faktor Pengenceran}{Masa Sampel (mg)} \times 100\%$$

$$\%Si = \frac{162,6667 \left(\frac{mg}{l}\right) \times 0,025 (l) \times 100}{4 \times 10^3 (mg)} \times 100\% = 10,17\%$$

- Konsentrasi 3 sampel (tanah bawah 2) 148,6667

$$Si = \frac{Conc (mg/l) \times Volume Sampel (l) \times Faktor Pengenceran}{Masa Sampel (mg)} \times 100\%$$

$$\%Si = \frac{148,6667 \left(\frac{mg}{l}\right) \times 0,025 (l) \times 100}{4 \times 10^3 (mg)} \times 100\% = 9,29\%$$

9. %Si dari sampel tanah bawah 3 (TB 3)

- Konsentrasi 1 sampel (tanah bawah 3) 181

$$Si = \frac{Conc (mg/l) \times Volume Sampel (l) \times Faktor Pengenceran}{Masa Sampel (mg)} \times 100\%$$

$$\%Si = \frac{181 \left(\frac{mg}{l}\right) \times 0,025 (l) \times 100}{4 \times 10^3 (mg)} \times 100\% = 11,31\%$$

- Konsentrasi 2 sampel (tanah bawah 3) 187,5

$$Si = \frac{Conc (mg/l) \times Volume Sampel (l) \times Faktor Pengenceran}{Masa Sampel (mg)} \times 100\%$$

$$\%Si = \frac{187,5 \left(\frac{mg}{l}\right) \times 0,025(l) \times 100}{4 \times 10^3 (mg)} \times 100\% = 11,27\%$$

- Konsentrasi 3 sampel (tanah bawah 3) 179,6667

$$Si = \frac{Conc (mg/l) \times Volume Sampel (l) \times Faktor Pengenceran}{Masa Sampel (mg)} \times 100\%$$

$$\%Si = \frac{179,6667 \left(\frac{mg}{l}\right) \times 0,025 (l) \times 100}{4 \times 10^3 (mg)} \times 100\% = 11,23\%$$



1. %Si dari air tanah atas 1 (ATA 1)

- Konsentrasi 1 (air tanah atas 1) 11,8333

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{11,8333 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 0,47$$

Konsentrasi 2 (air tanah atas 1) 11,3333

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{11,3333 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 0,45\%$$

- Konsentrasi 3 (air tanah atas 1) 11,3333

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{11,3333 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 0,45\%$$

2. %Si dari air tanah atas 2 (ATA 2)

- Konsentrasi 1 (air tanah atas 2) 12,1667

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{12,1667 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 0,49\%$$

- Konsentrasi 2 (air tanah atas 2) 12,1667

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{12,1667 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 0,49\%$$

- Konsentrasi 3 (air tanah atas 2) 13,3333

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{13,3333 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 0,53\%$$

3. %Si dari air tanah atas 3 (ATA 3)

- Konsentrasi 1 (air tanah atas 3) 8

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{8 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 0,32\%$$

- Konsentrasi 2 (air tanah atas 3) 9,33333

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{9,3333 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 0,37\%$$

- Konsentrasi 3 (air tanah atas 3) 8,66667

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{8,66667 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 0,35\%$$

4. %Si dari air tanah tengah 1 (ATT 1)

- Konsentrasi 1 (air tanah tengah 1) 32

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{32 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 1,28\%$$

- Konsentrasi 2 (air tanah tengah 1) 34,33333

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{34,33333 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 1,37\%$$

- Konsentrasi 3 (air tanah tengah 1) 30,33333

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{30,3333 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 1,21\%$$

5. %Si dari air tanah tengah 2 (ATT 2)

- Konsentrasi 1 (air tanah tengah 2) 25,1667

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{25,1667 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 1,01\%$$

- Konsentrasi 2 (air tanah tengah 2) 27,6667

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{27,6667 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 1,11\%$$

- Konsentrasi 3 (air tanah tengah 2) 23,3333

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{23,3333 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 0,93\%$$

6. %Si dari air tanah tengah 3 (ATT 3)

- Konsentrasi 1 (air tanah tengah 3) 63,5

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{63,5 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 2,54\%$$

- Konsentrasi 2 (air tanah tengah 3) 71,1667

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{71,1667 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 2,58\%$$

- Konsentrasi 3 (air tanah tengah 3) 61,8333

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{61,8333 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 2,47\%$$

7. %Si dari air tanah bawah 1 (ATB 1)

- Konsentrasi 1 (air tanah bawah 1) 8,83333

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{8,8333 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 0,35\%$$

- Konsentrasi 2 (air tanah bawah 1) 11,6667

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{11,6667 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 0,47\%$$

- Konsentrasi 3 (air tanah bawah 1) 10,6667

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{10,6667 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 0,43\%$$

8. %Si dari air tanah bawah 2 (ATB 2)

- Konsentrasi 1 (air tanah bawah 2) 51,6667

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{51,6667 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 2,07\%$$

- Konsentrasi 2 (air tanah bawah 2) 52,5

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{52,5 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 2,10\%$$

- Konsentrasi 3 (air tanah bawah 2) 53,3333

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{53,3333 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 2,13\%$$

9. %Si dari air tanah bawah 3 (ATB 3)

- Konsentrasi 1 (air tanah bawah 3) 137,167

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{137,167 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 5,49\%$$

- Konsentrasi 2 (air tanah bawah 3) 142,333

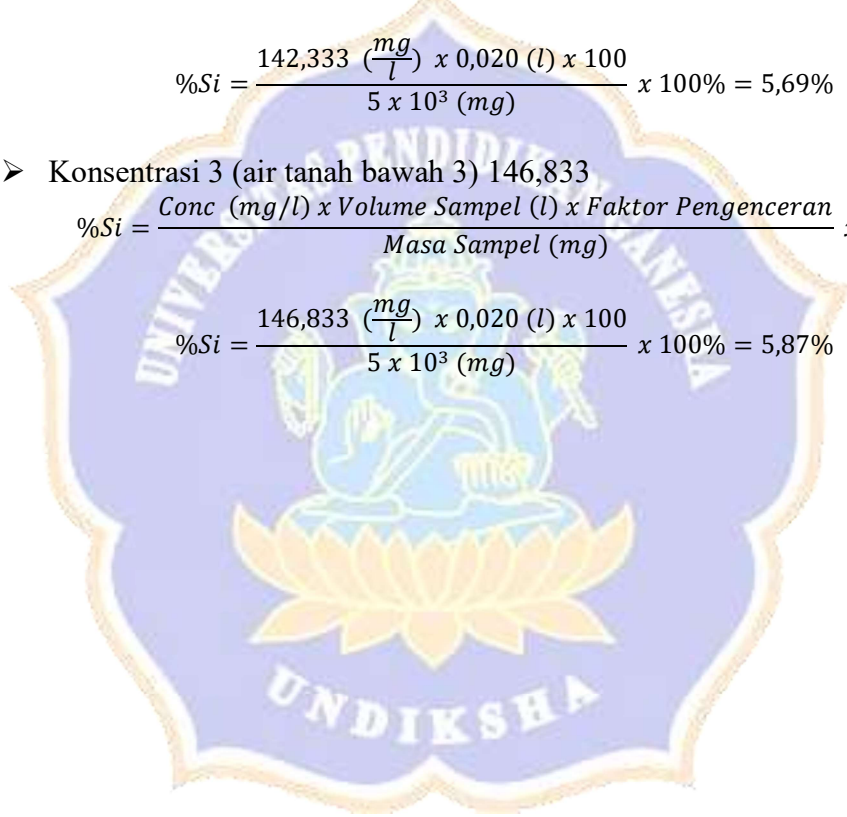
$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{142,333 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 5,69\%$$

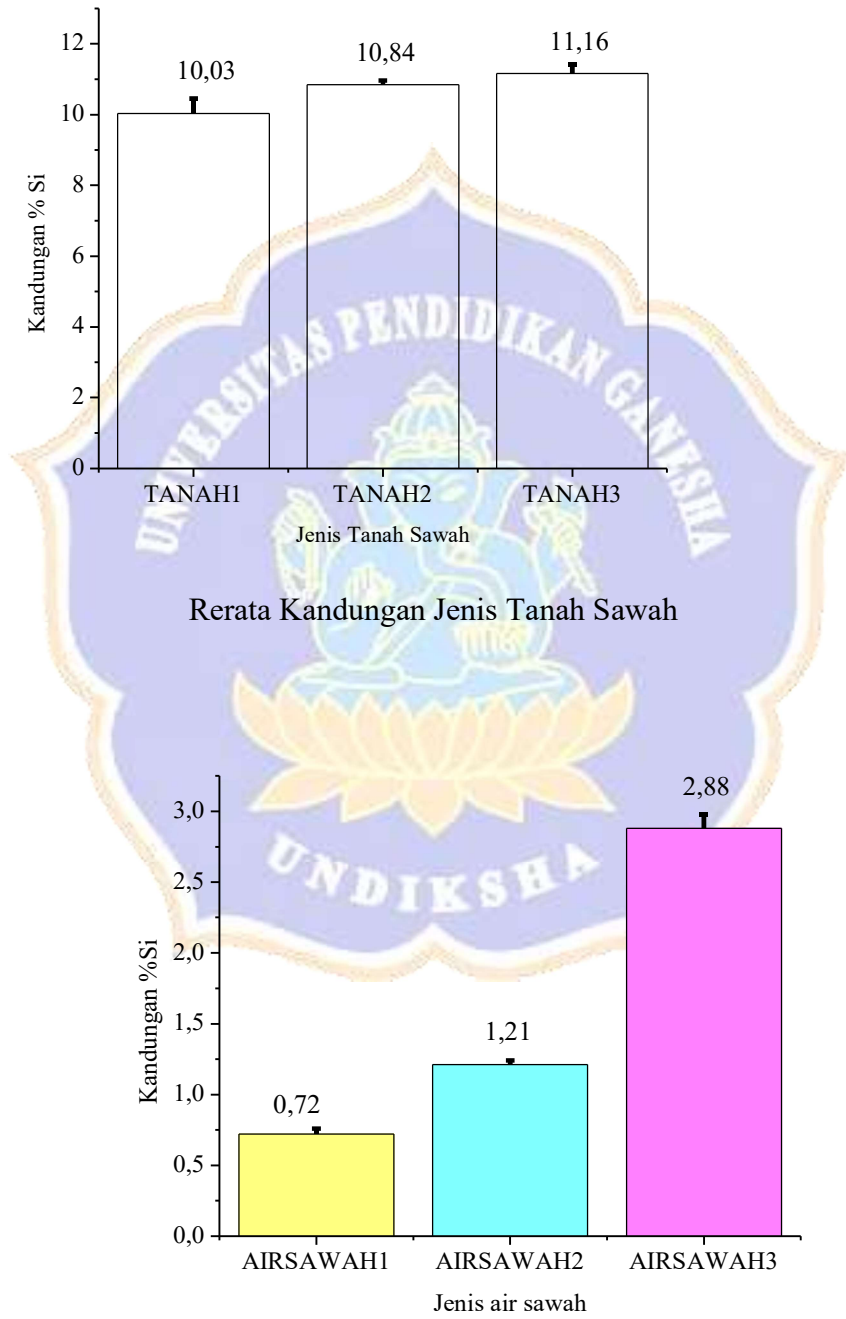
- Konsentrasi 3 (air tanah bawah 3) 146,833

$$\%Si = \frac{\text{Conc (mg/l)} \times \text{Volume Sampel (l)} \times \text{Faktor Pengenceran}}{\text{Masa Sampel (mg)}} \times 100\%$$

$$\%Si = \frac{146,833 \left(\frac{\text{mg}}{\text{l}}\right) \times 0,020 \text{ (l)} \times 100}{5 \times 10^3 \text{ (mg)}} \times 100\% = 5,87\%$$



Tanah	Air
10,03	0,72
10,84	1,21
11,16	2,88



Rearata Kandungan Jenis Air Sawah

Lampiran 5. Hasil Uji SPSS Uji Multikolinearitas dari kandungan Si tanah sawah dan kandungan Si air sawah terhadap kandungan Si pada bagian tanaman padi

- Hasil uji kandungan Si tanah sawah (X1) dan kandungan Si air sawah (X2) terhadap kandungan Si pada bagian akar (Y1)

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics			Sig. F Change
						F Change	df1	df2	
1	1.000 ^a	1.000	.	.	1.000	.	2	0	.

a. Predictors: (Constant), Air, Tanah

b. Dependent Variable: Akar

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
1	(Constant)	.932	.000932	.932					
	Tanah	.065	.000	.999	.	.	.065	.065	-.450	1.000	.524	.275	3.633
	Air	-.057	.000	-1.702	.	.	-.057	-.057	-.852	-1.000	-.893	.275	3.633

a. Dependent Variable: Akar

- Hasil uji kandungan Si tanah sawah (X1) dan kandungan Si air sawah (X2) terhadap kandungan Si pada bagian batang (Y2)

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics			Sig. F Change
						F Change	df1	df2	
1									

a. F

b. C

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics			Sig. F Change
						F Change	df1	df2	
1	1.000 ^a	1.000	.	.	1.000	.	2	0	.

a. Predictors: (Constant), Air, Tanah

b. Dependent Variable: Daun

Model		B	Std. Error	Beta	t	Sig.	95.0% Confidence Interval for B		Correlations			Collinearity Statistics	
							Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
1	(Constant)	-.086	.000	.	.	.	-.086	-.086					
	Tanah	.174	.000	1.663	.	.	.174	.174	.042	1.000	.873	.275	3.633
	Air	-.103	.000	-1.904	.	.	-.103	-.103	-.489	-1.000	-.999	.275	3.633

a. Dependent Variable: Batang

- Hasil uji kandungan Si tanah sawah (X1) dan kandungan Si air sawah (X2) terhadap kandungan Si pada bagian daun (Y3)

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95,0% Confidence Interval for B		Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
1	(Constant)	3.652	.000				3.652	3.652					
	Tanah	-.073	.000	-.255			-.073	-.073	-.914	-1.000	-.134	.275	3.633
	Air	-.116	.000	-.774			-.116	-.116	-.991	-1.000	-.406	.275	3.633

a. Dependent Variable: Daun

4. Hasil uji kandungan Si tanah sawah (X1) dan kandungan Si air sawah (X2) terhadap kandungan Si pada bagian buah (Y4)

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics			Sig. F Change
						F Change	df1	df2	
1	1.000 ^a	1.000			1.000		2	0	

a. Predictors: (Constant), Air, Tanah

b. Dependent Variable: Buah padi

**Coefficients^a**

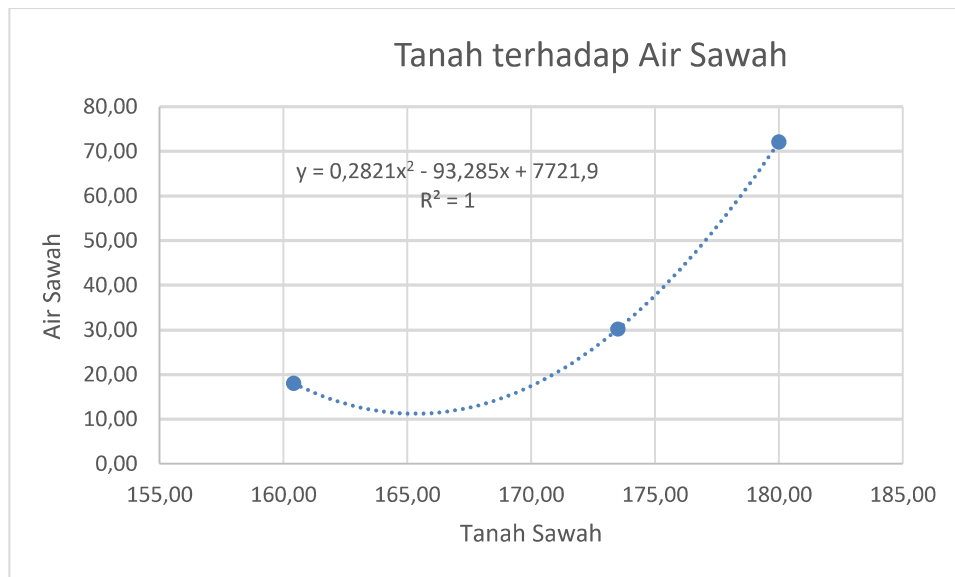
Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95,0% Confidence Interval for B		Correlations			Collinearity Statistics	
		B	Std. Error	Beta			Lower Bound	Upper Bound	Zero-order	Partial	Part	Tolerance	VIF
1	(Constant)	1.972	.000				1.972	1.972					
	Tanah	-.035	.000	-.655			-.035	-.035	.619	-1.000	-.343	.275	3.633
	Air	.042	.000	1.496			.042	.042	.939	1.000	.785	.275	3.633

a. Dependent Variable: Buah padi



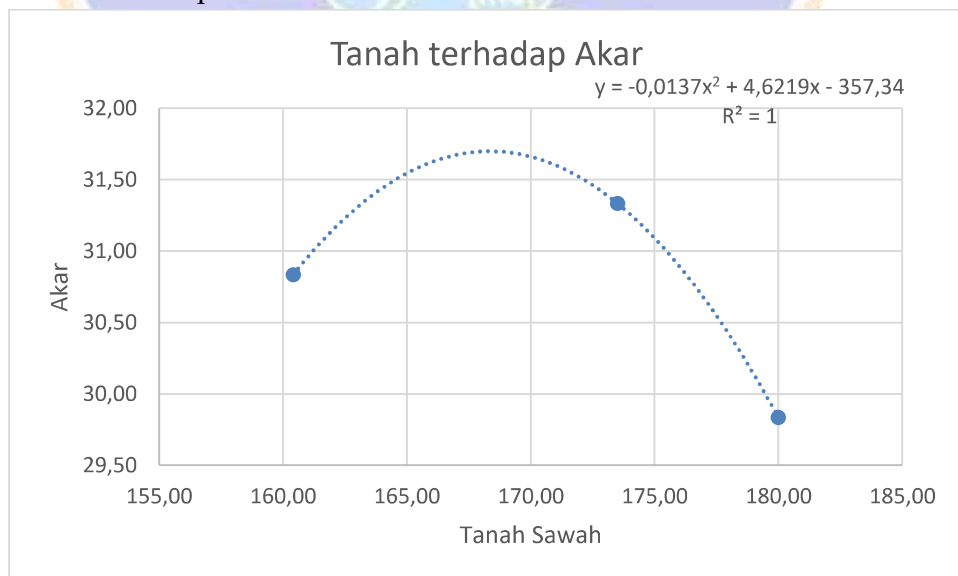
Lampiran 6. Persamaan Regresi terhadap Korelasi

1. Tanah terhadap Air Sawah



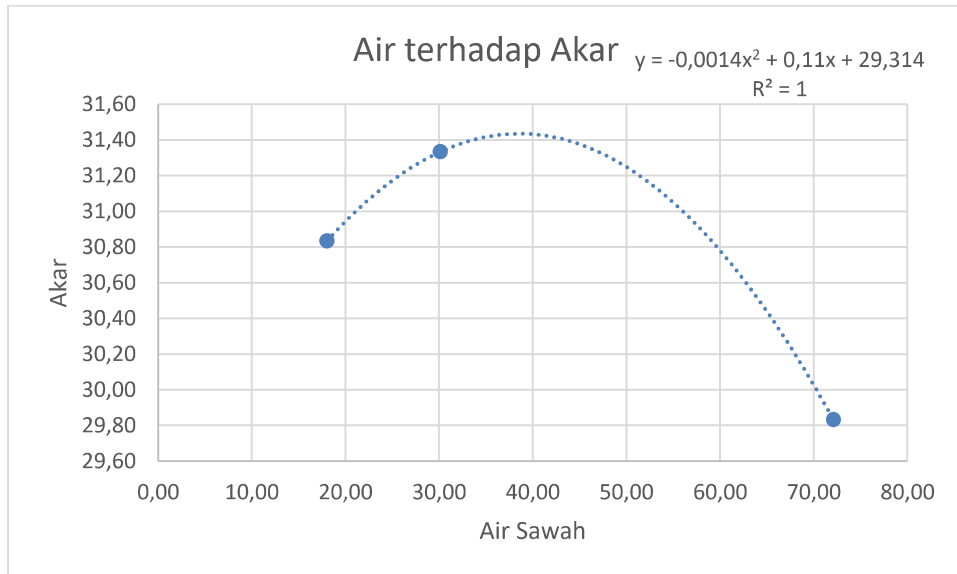
X1(Tanah Sawah)	X2(Air Sawah)
160,41	18,04
173,50	30,15
180,00	72,09

2. Tanah terhadap Akar



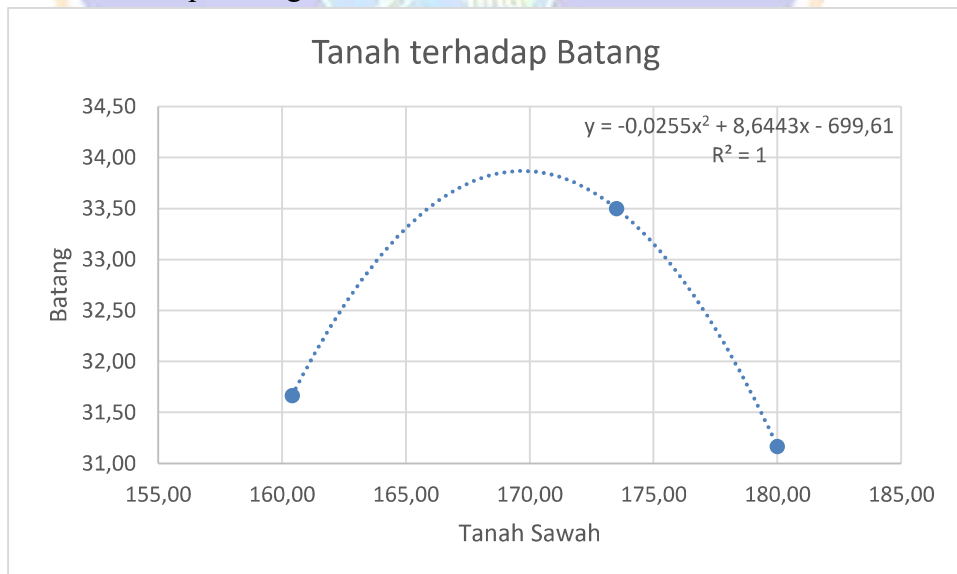
X1 TANAH	X2 AKAR
160,41	30,83
173,50	31,33
180,00	29,83

Air terhadap Akar



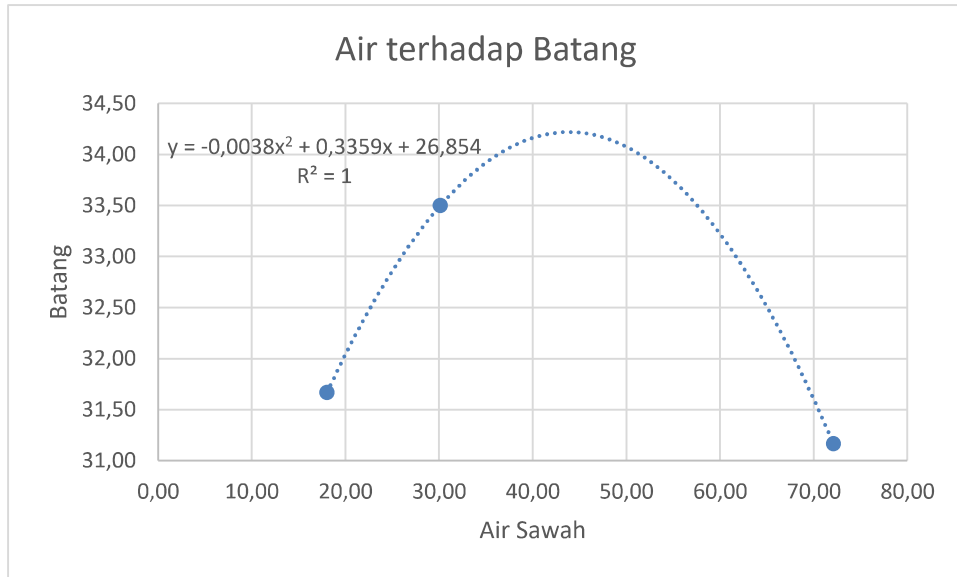
X1 AIR	X2 AKAR
18,04	30,83
30,15	31,33
72,09	29,83

3. Tanah terhadap Batang



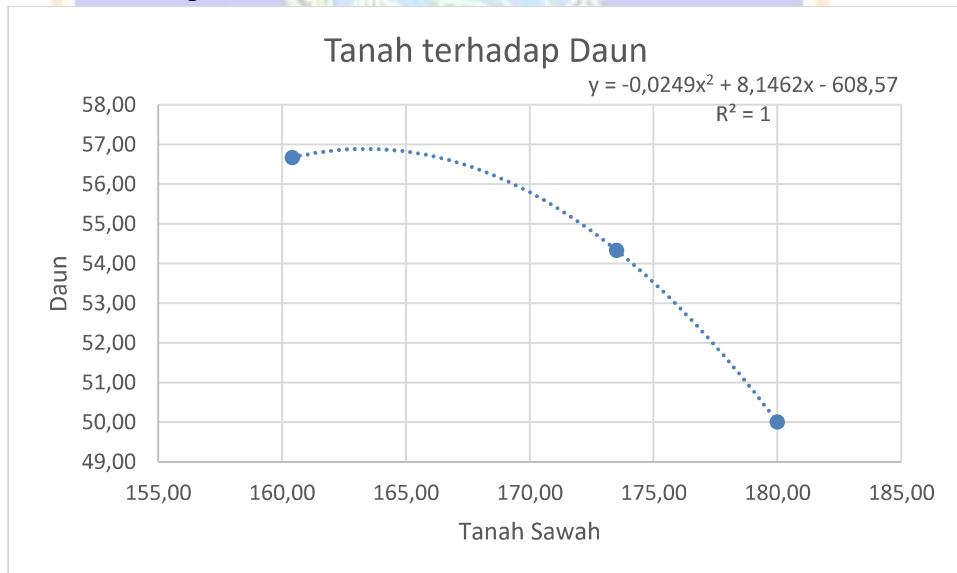
X1 TANAH	X2 BATANG
160,41	31,67
173,50	33,50
180,00	31,17

Air terhadap Batang



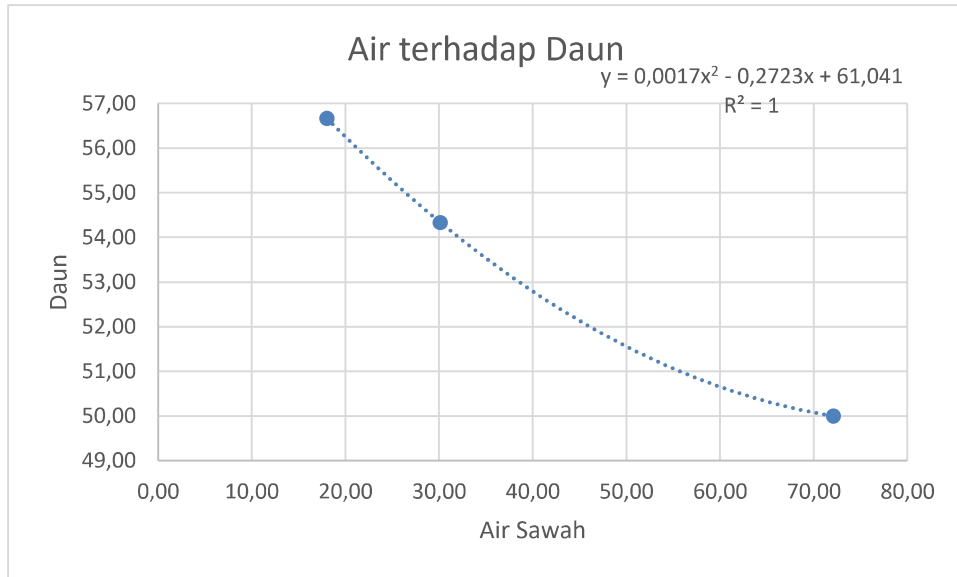
X1 AIR	X2 BATANG
18,04	31,67
30,15	33,50
72,09	31,17

4. Tanah terhadap Daun



X1 TANAH	X2 DAUN
160,41	56,67
173,50	54,33
180,00	50,00

Air terhadap Daun



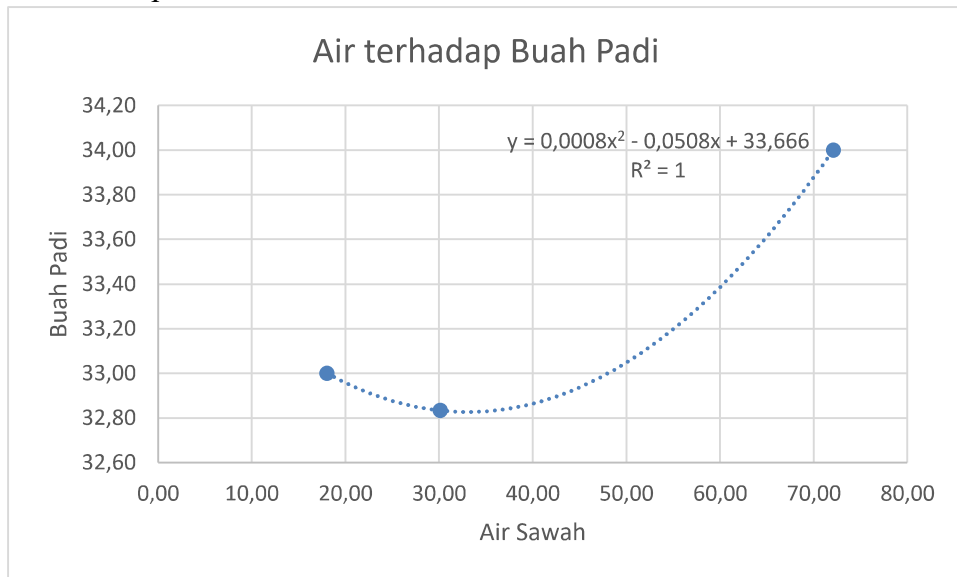
X1 AIR	X2 DAUN
18,04	56,67
30,15	54,33
72,09	50,00

5. Tanah terhadap Buah



X1 TANAH	X2 BUAH PADI
160,41	33,00
173,50	32,83
180,00	34,00

Air terhadap Buah Padi



X1 AIR	X2 BUAH PADI
18,04	33,00
30,15	32,83
72,09	34,00

Korelasi tanah dan air sawah terhadap bagian tanaman padi

Correlations

		Tanah Sawah	Air Sawah	Akar	Batang	Daun	Buah
Tanah Sawah	Pearson Correlation	1	.851	-.450	.042	-.914	.619
	Sig. (2-tailed)		.352	.703	.973	.266	.575
	N	3	3	3	3	3	3
Air Sawah	Pearson Correlation	.851	1	-.852	-.489	-.991	.939
	Sig. (2-tailed)	.352		.351	.675	.085	.223
	N	3	3	3	3	3	3
Akar	Pearson Correlation	-.450	-.852	1	.873	.774	-.980
	Sig. (2-tailed)	.703	.351		.324	.436	.128
	N	3	3	3	3	3	3
Batang	Pearson Correlation	.042	-.489	.873	1	.368	-.759
	Sig. (2-tailed)	.973	.675	.324		.760	.452
	N	3	3	3	3	3	3
Daun	Pearson Correlation	-.914	-.991	.774	.368	1	-.885
	Sig. (2-tailed)	.266	.085	.436	.760		.308
	N	3	3	3	3	3	3
Buah	Pearson Correlation	.619	.939	-.980	-.759	-.885	1
	Sig. (2-tailed)	.575	.223	.128	.452	.308	
	N	3	3	3	3	3	3

Lampiran 7. Dokumentasi



Sampel bagian-bagian tanaman padi



Proses destruksi tanaman padi	Hasil destruksi tanaman padi	Sampel air tanah sawah	Filtrasi sampel air tanah sawah
			

Preparasi sampel air tanah sawah	Sampel tanah sawah	Destruksi tanah sawah	Hasil destruksi tanah sawah
			



RIWAYAT HIDUP



Vian Diah Sukma Rini lahir di Banyuwangi pada tanggal 07 Juni 2000. Penulis merupakan anak kedua dari pasangan suami istri Bapak Ponidi dan Ibu Supiyati. Penulis berkebangsaan Indonesia dan beragama Islam. Kini penulis beralamat di Dusun Kabatmantren, Desa Wringinputih, Kecamatan Muncar, Kabupaten Banyuwangi, Provinsi Jawa Timur.

Penulis menyelesaikan pendidikan dasar di SDN 3 Sumbergomdo dan lulus pada tahun 2012. Kemudian penulis melanjutkan di SMPN 4 Muncar dan lulus pada tahun 2015. Pada tahun 2018, penulis lulus dari SMA Negeri 1 Muncar dan melanjutkan Pendidikan ke jenjang perguruan tinggi di Universitas Pendidikan Ganesha dengan mengambil jurusan Kimia, Program Studi S1 Kimia. Pada semester akhir tahun 2022 penulis telah menyelesaikan tugas akhir yang berjudul “Korelasi Kandungan Silikon pada Tanah dan Air Sawah Terhadap Kandungan Silikon pada Akar, Batang, Daun dan Buah Padi Varietas IR 64”. Selanjutnya mulai tahun 2022 sampai dengan penulis skripsi ini, penulis masih terdaftar sebagai mahasiswa Program Si Kimia di Universitas Pendidikan Ganesha.