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LAMPIRAN

Lampiran 1 Pengambilan data penelitian



Lampiran 2 Data mentah primer

Per- lakuan	N o.	Parameter			
		Tinggi Tanaman (cm)	Lingkar Batang (cm)	Jumlah Pelepah	Jumlah TBS
JKK	1	735	210	40	3
	2	720	205	42	2
	3	705	205	42	3
	4	790	215	41	2
	5	775	230	41	4
	6	760	210	42	2
	7	750	215	42	1
	8	710	215	43	2
	9	715	220	43	5
	10	695	240	39	4
	11	700	220	37	1
	12	715	215	38	3
	13	720	230	40	2
	14	710	230	42	5
	15	730	235	39	1
	16	715	245	41	3
	17	720	250	42	5
	18	730	216	42	5
	19	725	237	40	2
	20	740	220	40	2
	21	740	235	42	5
	22	760	245	39	0
	23	750	230	40	2
	24	770	215	41	3
	25	760	220	42	5
	26	730	220	41	3
	27	720	210	39	0
	28	740	240	42	5
	29	735	260	41	3
	30	750	265	39	0
	31	760	245	42	3
	32	740	235	41	3
	33	715	220	42	5
	34	730	240	39	1
	35	720	250	38	0
	36	740	235	39	3

	37	735	220	37	1
	38	730	200	38	1
	39	740	205	37	1
	40	740	200	38	1
	41	710	220	41	3
	42	715	210	42	5
	43	750	210	41	5
	44	760	220	39	0
	45	755	240	39	1
	46	770	245	42	5
	47	745	260	39	0
	48	750	265	38	5
	49	755	250	40	3
	50	770	270	41	0
Non- JKK	1	710	202	33	0
	2	730	204	35	1
	3	720	203	35	3
	4	690	205	36	1
	5	650	200	35	3
	6	670	205	34	1
	7	600	200	35	1
	8	610	203	37	3
	9	750	212	38	5
	10	730	211	39	7
	11	700	209	33	0
	12	720	207	35	1
	13	750	203	36	1
	14	690	205	34	0
	15	690	202	34	1
	16	670	204	35	1
	17	680	202	35	1
	18	660	209	36	5
	19	720	207	39	0
	20	750	205	36	5
	21	710	208	35	3
	22	780	206	34	1
	23	700	209	33	0
	24	680	207	34	1
	25	720	203	35	7
	26	700	205	34	1

27	730	202	33	1
28	730	204	33	1
29	670	205	35	3
30	600	199	38	0
31	610	209	34	5
32	750	210	35	0
33	730	197	34	1
34	685	211	34	1
35	740	214	36	4
36	730	207	32	1
37	710	205	39	0
38	700	202	39	0
39	680	198	38	1
40	650	208	35	0
41	720	211	35	3
42	730	202	34	2
43	710	201	33	5
44	690	203	35	1
45	730	202	38	5
46	690	205	36	2
47	710	201	37	4
48	690	209	36	5
49	680	212	35	2
50	700	203	34	3

Lampiran 3 Data mentah sekunder

Tahun	Blok	Luas (Ha)	Tonase (ton)											
			Januari	Februari	Maret	April	Mei	Juni	Juli	Agustus	September	Oktober	Novembe	Desember
2017	32263E-36	28,69	2,073092	2,468177	2,276368	2,732485	2,635762	1,802754	3,087313	2,274277	2,106832	1,477902	1,405786	1,018822
	32263E-37	27,63	2,312233	2,52262	2,227651	2,81835	1,876185	3,073254	2,400036	2,013934	1,415056	1,415056	1,521535	1,008578
	32263E-36	28,69	1,763541	1,747996	2,697246	2,933182	3,317811	0	0	0	5,798362	1,719624	2,249181	1,642942
2018	32263E-37	27,63	1,700977	1,903583	2,677814	2,817228	2,497901	2,75009	0	0	5,778429	1,783713	2,337459	1,515273
	32263E-36	28,69	2,106483	1,662879	1,705856	1,557372	1,328756	1,87229	2,143465	3,054793	2,523597	2,039979	2,185953	2,438515
	32263E-37	27,63	2,407564	1,652733	1,738111	1,564169	1,396164	1,902172	2,170069	2,837206	2,403076	1,985993	2,115056	2,549946
2020	32263E-36	28,69	1,931509	2,590938	2,813419	1,76504	2,531788	1,646288	1,975671	1,991251	2,157476	2,388986	3,000244	2,675741
	32263E-37	27,63	2,048317	2,390481	2,668911	2,116214	2,547738	1,671915	2,112161	2,046544	2,169707	2,402932	3,100869	2,58755
	32263E-36	28,69	2,81572	1,056992	1,229871	0,866733	0,789266	1,076546	1,000905	0,905591	0,720999	0,848522	1,04892	1,07376
2021	32263E-37	27,63	2,629352	2,814875	3,563518	3,054035	2,431379	2,477959	2,480203	2,487695	1,976692	1,525226	1,576945	1,464929
	32263E-36	28,69	1,918473	2,296793	3,070512	2,852736	3,868665	1,967201	1,489299	3,561799	2,698432	3,708365	1,882607	2,327257
	32263E-37	27,63	1,861962	2,384039	2,753818	2,97148	2,934021	2,246001	2,886754	3,350489	3,255194	2,874303	2,003836	1,955338

Lampiran 4 Hasil analisis LSU 2018-2022

Tahun 2018

Blok	Kandungan Unsur Hara						
	N (%)	P (%)	K (%)	Mg (%)	Ca (%)	B (ppm)	Cl (%)
E-36	2,75	0,172	0,85	0,31	0,75	21	0,59
E-37	2,7	0,168	0,81	0,28	0,69	20	0,57

Tahun 2019

Blok	Kandungan Unsur Hara						
	N (%)	P (%)	K (%)	Mg (%)	Ca (%)	B (ppm)	Cl (%)
E-36	2,85	0,175	0,97	0,30	0,72	20	0,57
E-37	2,78	0,173	0,91	0,28	0,62	19	0,55

Tahun 2020

Blok	Kandungan Unsur Hara						
	N (%)	P (%)	K (%)	Mg (%)	Ca (%)	B (ppm)	Cl (%)
E-36	2,69	0,165	0,81	0,29	0,65	26	0,65
E-37	2,60	0,156	0,73	0,23	0,60	29	0,60

Tahun 2021

Blok	Kandungan Unsur Hara						
	N (%)	P (%)	K (%)	Mg (%)	Ca (%)	B (ppm)	Cl (%)
E-36	2,15	0,173	0,97	0,30	0,76	16,6	0,64
E-37	2,08	0,168	0,91	0,25	0,60	13	0,50

Tahun 2022

Blok	Kandungan Unsur Hara						
	N (%)	P (%)	K (%)	Mg (%)	Ca (%)	B (ppm)	Cl (%)
E-36	2,61	0,172	1,15	0,30	0,73	16	0,65
E-37	2,59	0,169	1,00	0,28	0,64	15	0,62

Lampiran 5 Realisasi aplikasi JJK

D I V	KOMPLEK	Tahun Tanam	Manuring Type	BLOK	Total Luas JJK (Ha)	Do sis Ton/ Ha	Tonase JJK (ton)
1	PRDE06D-16	2006	EBS	C-18	12,01	30	360,30
		2006	EBS	C-20	6,60	30	198,00
		2006	EBS	C-21	6,52	30	195,60
		2006	EBS	D-22	5,62	30	168,60
	PRDE10D-24	2010	EBS	B-18	7,82	30	234,60
Total EBS					38,57		1.157,10
2	PRDE06D-17	2006	EBS	C-26	9,00	30	270,00
		2006	EBS	C-27	23,83	30	714,90
		2006	EBS	C-28	22,50	30	675,00
		2006	EBS	C-29	27,25	30	817,50
		2006	EBS	C-30	14,54	30	436,20
		2006	EBS	D-30	17,68	30	530,40
		2006	EBS	D-31	16,78	30	503,40
		2006	EBS	D-32	13,95	30	418,50
	PRDE07D-18	2007	EBS	D-25	18,51	30	555,30
		2007	EBS	D-26	22,79	30	683,70
		2007	EBS	D-27	26,45	30	793,50
		2007	EBS	D-28	15,67	30	470,10
		2007	EBS	D-29	22,70	30	681,00
	PRDE10D-14	2010	EBS	B-26	4,05	30	121,50
	Total EBS					255,70	
3	PRDE06D-19	2006	EBS	C-34	10,09	30	302,70
		2006	EBS	C-35	13,30	30	399,00
		2006	EBS	C-36	16,93	30	507,90
		2006	EBS	D-33	16,38	30	491,40
		2006	EBS	E-35	13,47	30	404,10
		2006	EBS	E-36	14,11	30	423,30
	Total EBS					84,28	
4	PRDE06D-08	2006	EBS	F-37	1,88	30	56,40
	PRDE07D-07	2007	EBS	G-42	5,27	30	158,10
		2007	EBS	H-42	11,24	30	337,20

	Total EBS			18,39		551,70	
5	PRDE06D-09	2006	EBS	E-31	4,82	30	144,60
		2006	EBS	F-31	16,09	30	482,70
		2006	EBS	G-31	9,57	30	287,10
		2006	EBS	G-32	8,25	30	247,50
	PRDE06D-20	2006	EBS	E-27	23,71	30	711,30
		2006	EBS	E-29	6,62	30	198,60
		2006	EBS	E-30	7,67	30	230,10
		2006	EBS	F-27	10,20	30	306,00
		2006	EBS	G-30	4,08	30	122,40
	Total EBS			91,01		2.730,30	
6	PRDE06D-21	2006	EBS	E-23	5,20	30	156,00
		2006	EBS	E-24	19,95	30	598,50
		2006	EBS	E-25	21,87	30	656,10
		2006	EBS	E-26	25,80	30	774,00
		2006	EBS	F-22	25,46	30	763,80
		2006	EBS	F-23	25,53	30	765,90
		2006	EBS	F-24	22,51	30	675,30
		2006	EBS	F-25	24,42	30	732,60
		2006	EBS	F-26	24,72	30	741,60
		2006	EBS	G-22	20,53	30	615,90
		2006	EBS	G-23	16,88	30	506,40
		2006	EBS	G-24	17,71	30	531,30
		2006	EBS	G-25	13,38	30	401,40
		PRDE07D-22	2007	EBS	F-19	13,23	30
	2007		EBS	F-20	14,98	30	449,40
	2007		EBS	F-21	11,45	30	343,50
	2007		EBS	G-19	19,38	30	581,40
	2007		EBS	G-20	27,11	30	813,30
	2007		EBS	G-21	24,32	30	729,60
	Total EBS			374,43		11.232,90	
TOTAL EBS ALL DIVISI						25.871,40	

Lampiran 6 Hasil analisis data primer melalui SPSS

Group Statistics

aplikasi_JJK		N	Mean	Std. Deviation	Std. Error Mean
Tinggi_Tanaman	JJK	50	736,90	21,378	3,023
	tanpa JJK	50	698,90	39,270	5,554
Lingkar_Batang	JJK	50	228,86	18,256	2,582
	tanpa JJK	50	205,12	3,905	,552
Jumlah_Pelepah	JJK	50	40,30	1,669	,236
	tanpa JJK	50	35,26	1,782	,252
Jumlah_JJG	JJK	50	2,58	1,739	,246
	tanpa JJK	50	2,06	1,953	,276

Independent Samples Test

		Levene's Test for Equality of Variances				t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	Lower	Upper	
Tinggi_Tanaman	Equal variances assumed	9,407	,003	6,010	98	,000	38,000	6,323	25,452	50,548		
	Equal variances not assumed			6,010	75,699	,000	38,000	6,323	25,405	50,595		
Lingkar_Batang	Equal variances assumed	78,617	,000	8,992	98	,000	23,740	2,640	18,501	28,979		
	Equal variances not assumed			8,992	53,475	,000	23,740	2,640	18,446	29,034		
Jumlah_Pelepah	Equal variances assumed	,112	,738	14,596	98	,000	5,040	,345	4,355	5,725		
	Equal variances not assumed			14,596	97,582	,000	5,040	,345	4,355	5,725		
Jumlah_JUG	Equal variances assumed	,682	,411	1,406	98	,163	,520	,370	-,214	1,254		
	Equal variances not assumed			1,406	96,713	,163	,520	,370	-,214	1,254		

Lampiran 7 Hasil analisis data primer melalui *Microsoft Excel*

Parameter Tinggi Tanaman

t-Test: Paired Two Sample for Means

	<i>JJK</i>	<i>Non JJK</i>
Mean	736,9	698,9
Variance	457,0306122	1542,1327
Observations	50	50
Pearson Correlation	-0,24480565	
Hypothesized Mean Difference	0	
df	49	
t Stat	5,473204684	
P(T<=t) one-tail	0,00000075	
t Critical one-tail	1,67655089	
P(T<=t) two-tail	0,00000150	
t Critical two-tail	2,009575237	

Parameter Lingkar Batang

t-Test: Paired Two Sample for Means

	<i>JJK</i>	<i>Non JJK</i>
Mean	228,86	205,12
Variance	333,2657143	15,2506
Observations	50	50
Pearson Correlation	0,181731096	
Hypothesized Mean Difference	0	
df	49	
t Stat	9,346101929	
P(T<=t) one-tail	0,00000000000090	
t Critical one-tail	1,676550893	
P(T<=t) two-tail	0,00000000000018	
t Critical two-tail	2,009575237	

Parameter Jumlah Pelepah

t-Test: Paired Two Sample for Means

	<i>JJK</i>	<i>Non JJK</i>
Mean	40,3	35,26
Variance	2,785714286	3,175918367
Observations	50	50
Pearson Correlation	-0,232595157	
Hypothesized Mean Difference	0	
df	49	
t Stat	13,14954085	
P(T<=t) one-tail	0,00000000000000000054	
t Critical one-tail	1,676550893	
P(T<=t) two-tail	0,0000000000000000011	
t Critical two-tail	2,009575237	

Parameter Jumlah Janjang

t-Test: Paired Two Sample for Means

	<i>JJK</i>	<i>Non JJK</i>
Mean	2,58	2,06
Variance	3,024081633	3,812653061
Observations	50	50
Pearson Correlation	0,332127167	
Hypothesized Mean Difference	0	
df	49	
t Stat	1,717898731	
P(T<=t) one-tail	0,046064621	
t Critical one-tail	1,676550893	
P(T<=t) two-tail	0,092129241	
t Critical two-tail	2,009575237	

Lampiran 8 Analisis data sekunder dengan SPSS

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	JJK	2,4163	58	,77997	,10241
	Non_JJK	2,4068	58	,70455	,09251

		N	Correlation	Sig.
Pair 1	JJK & Non_JJK	58	,920	,000

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower	Upper			
Pair 1	JJK - Non_JJK	,00951	,30547	,04011	-,07081	,08983	,237	57	,813

Lampiran 9 Analisis data sekunder dengan *Microsoft Excel*

Produksi Tahun 2018

t-Test: Paired Two Sample for Means

	<i>JJK</i>	<i>Non JJK</i>
Mean	2,6201708	2,576247
Variance	1,5747511	1,487565
Observations	10	10
Pearson Correlation	0,985845	
Hypothesized Mean Difference	0	
df	9	
t Stat	0,6579247	
P(T<=t) one-tail	0,2635274	
t Critical one-tail	1,8331129	
P(T<=t) two-tail	0,5270547	
t Critical two-tail	2,2621572	

Produksi Tahun 2019

t-Test: Paired Two Sample for Means

	<i>JJK</i>	<i>Non JJK</i>
Mean	2,051661438	2,060188201
Variance	0,22527978	0,189467008
Observations	12	12
Pearson Correlation	0,964292162	
Hypothesized Mean Difference	0	
df	11	
t Stat	0,231331436	
P(T<=t) one-tail	0,410652022	
t Critical one-tail	1,795884819	
P(T<=t) two-tail	0,821304043	
t Critical two-tail	2,20098516	

Produksi Tahun 2020

t-Test: Paired Two Sample for Means

	<i>JJK</i>	<i>Non JJK</i>
Mean	2,2890293	2,321945
Variance	0,1918274	0,140242
Observations	12	12
Pearson Correlation	0,9496919	
Hypothesized Mean Difference	0	
df	11	
t Stat	-0,795704	
P(T<=t) one-tail	0,2215183	
t Critical one-tail	1,7958848	
P(T<=t) two-tail	0,4430367	
t Critical two-tail	2,2009852	

Produksi Tahun 2021

t-Test: Paired Two Sample for Means

	<i>JJK</i>	<i>Non JJK</i>
Mean	1,119485451	2,373567378
Variance	0,306106254	0,410477793

Observations	12	12
Pearson Correlation	0,202813729	
Hypothesized Mean Difference	0	
df	11	
	-	
t Stat	5,740037419	
P(T<=t) one-tail	0,000065	
t Critical one-tail	1,795884819	
P(T<=t) two-tail	0,000130266	
t Critical two-tail	2,20098516	

Produksi Tahun 2022

t-Test: Paired Two Sample for Means

	<i>JJK</i>	<i>Non JJK</i>
Mean	2,636845	2,623103
Variance	0,6201128	0,264042
Observations	12	12
Pearson Correlation	0,6172993	
Hypothesized Mean Difference	0	
df	11	
t Stat	0,0767624	
P(T<=t) one-tail	0,4700955	
t Critical one-tail	1,7958848	
P(T<=t) two-tail	0,940191	
t Critical two-tail	2,2009852	

Lampiran 10 Kelas kesesuaian lahan

Umur (Tahun)	Kelas S1		Kelas S2		Kelas S3		Kelas N1	
	TBS	BJR	TBS	BJR	TBS	BJR	TBS	BJR
3	9.0	3.2	7.3	3.1	6.2	3.0	4.0	2.7
4	15.0	6.0	13.5	5.9	12.0	5.3	9.0	4.7
5	18.0	7.5	16.0	7.1	14.5	6.7	12.0	5.9
6	21.1	10.0	18.5	9.4	17.0	8.5	14.5	7.2
7	26.0	12.5	23.0	11.8	22.0	10.8	16.1	9.3
8	30.0	15.1	25.5	13.2	24.5	12.7	18.0	10.8
9	31.0	17.0	28.0	16.5	26.0	15.5	20.0	12.4
10	31.0	18.5	28.0	17.5	26.0	16.0	20.0	13.9
11	31.0	19.6	28.0	18.5	26.0	17.4	20.5	15.1
12	31.0	20.5	28.0	19.5	26.0	18.5	20.0	16.3
13	31.0	21.1	28.0	20.0	26.0	19.5	20.0	17.1
14	30.0	22.5	27.0	20.5	25.0	20.0	19.5	17.5
15	27.9	23.0	26.0	21.8	24.5	20.6	19.0	18.7
16	27.1	24.5	25.5	23.1	23.5	21.8	18.5	19.0
17	26.0	25.0	24.5	24.1	22.0	23.0	18.0	19.8
18	24.9	26.0	23.5	25.5	21.0	24.2	17.5	20.4
19	24.1	27.5	22.5	26.4	20.0	25.5	17.0	21.2
20	23.1	28.5	21.5	27.8	19.0	26.6	16.5	22.3
21	21.9	29.0	21.0	28.6	18.0	27.4	16.0	23.1
22	19.8	30.0	19.0	29.4	17.0	28.4	15.5	23.8
23	18.9	30.5	18.0	30.1	16.0	29.4	15.0	24.2
24	18.1	31.9	17.0	31.0	15.0	30.4	14.5	25.1
25	17.1	32.4	16.0	32.0	14.0	31.2	14.0	25.7
Rata-rata	24.0	20.9	22.0	20.1	20.0	19.2	16.3	16.2

Sumber : SMARTRI (*Sinar Mas Agro Resources and Technology Research Institute*)

Kelas Kesesuaian Lahan	Kriteria
S1 (sangat sesuai)	Lahan yang memiliki ≤ 1 pembatas ringan
S2 (sesuai)	Lahan yang memiliki > 1 pembatas ringan dan atau tidak memiliki > 1 pembatas sedang
S3 (sesuai marginal)	Lahan yang memiliki > 1 pembatas sedang dan atau tidak memiliki > 1 pembatas berat
N1 (tidak sesuai saat ini)	Lahan yang memiliki \geq pembatas berat yang masih dapat diperbaiki
N2 tidak sesuai	Lahan yang memiliki pembatas berat yang tidak dapat diperbaiki