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LAMPIRAN

Lampiran 1. Dokumentasi pengambilan sampel dan pengujian sampel darah



Ket : Proses Pengambilan Sampel Darah



Ket : Penarikan Sapi ke Kandang



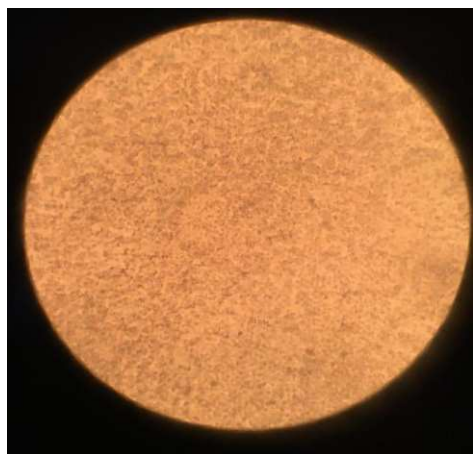
Ket : Proses Perhitungan Hb



Ket : Perhitungan Hb (Tabung Sahli)



Ket : Proses Perhitungan SDM, SDP



Ket : Perhitungan Sel Darah



Ket : Proses perhitungan Hk



Ket : Pipa Kapiler ditutup Wax



Ket : Bersama Tim Penelitian di Bontonompo

Lampiran 2. Rumus perhitungan sel darah

Rumus perhitungan SDM

$$N = R_1 + R_2 + R_3 + R_4 + R_5$$

$$N = R_N$$

$$\text{SDM} = R_n \times 10.000$$

= jumlah SDP

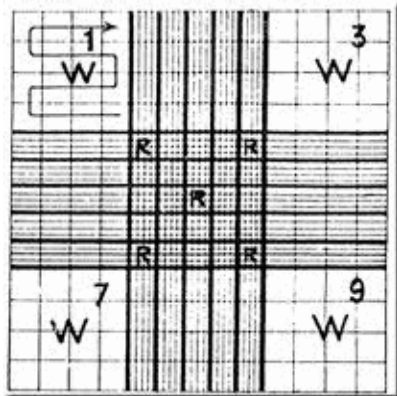
Rumus perhitungan SDP

$$N = W_1 + W_2 + W_3 + W_4$$

$$N = R_N$$

$$\text{SDP} = W_n \times 50$$

= jumlah SDP



Lampiran 3. Perbedaan Hasil Status Hematplogi sapi bali jantan yang diberi limbah pulp kakao

perlakuan		sdm	sdp	hb	hk
P0	1	4610000.0	8450.0	9.6	24.67
P0	2	4530000.0	9900.0	9.3	25.0
P0	3	5710000.0	8800.0	9.33	27.33
P1	1	5125000.0	8400.0	9.3	27.33
P1	2	4855000.0	11550.0	8.87	31.33
P1	3	5585000.0	10800.0	10.53	32.0
P2	1	4655000.0	10700.0	8.9	27.33
P2	2	5355000.0	7200.0	10.23	29.33
P2	3	4330000.0	16600.0	11.0	31.0



Lampiran 4. *Analysis of Variance* (ANOVA) Sel Darah Merah (SDM)

```
UNIANOVA SDM BY Perlakuan
/METHOD=SSTYPE(3)
/INTERCEPT=INCLUDE
/POSTHOC=Perlakuan(DUNCAN LSD)
/PLOT=PROFILE(Perlakuan)
/EMMEANS=TABLES(OVERALL)
/EMMEANS=TABLES(Perlakuan)
/PRINT=HOMOGENEITY DESCRIPTIVE
/CRITERIA=ALPHA(.05)

/DESIGN=Perlakuan.
```

Between-Subjects Factors

		Value Label	N
Perlakuan	1	P0	3
	2	P1	3
	3	P2	3

Descriptive Statistics

Dependent Variable:SDM

Perlakuan	Mean	Std. Deviation	N
P0	4.9500E6	6.59394E5	3
P1	5.1883E6	3.69098E5	3
P2	4.7800E6	5.23808E5	3
Total	4.9728E6	4.92856E5	9

Tests of Between-Subjects Effects

Dependent Variable:SDM

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	2.524E11 ^a	2	1.262E11	.448	.659
Intercept	2.226E14	1	2.226E14	789.760	.000
Perlakuan	2.524E11	2	1.262E11	.448	.659
Error	1.691E12	6	2.818E11		
Total	2.245E14	9			
Total	1.943E12	8			

Adjusted R Squared = .130 (Adjusted R Squared = -.160)



Levene's Test of Equality of Error Variances^a

Dependent Variable:SDM

F	df1	df2	Sig.
.978	2	6	.429

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Perlakuan

1. Grand Mean

Dependent Variable:SDM

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
4.973E6	1.770E5	4539795.915	5405759.641

2. Perlakuan

Dependent Variable:SDM

Perlakuan	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
P0	4.950E6	3.065E5	4200053.415	5699946.585
P1	5.188E6	3.065E5	4438386.748	5938279.918
P2	4.780E6	3.065E5	4030053.415	5529946.585

Multiple Comparisons

Dependent Variable:SDM

(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
0	P1	-238333.3333	4.33438E5	.602	-1.2989E6	822251.2983
	P2	170000.0000	4.33438E5	.708	-8.9058E5	1.2306E6
1	P0	238333.3333	4.33438E5	.602	-8.2225E5	1.2989E6



	P2	408333.3333	4.33438E5	.383	-6.5225E5	1.4689E6
P2	P0	-170000.0000	4.33438E5	.708	-1.2306E6	890584.6316
	P1	-408333.3333	4.33438E5	.383	-1.4689E6	652251.2983

Based on observed means.

The error term is Mean Square(Error) = 28180277777,778.

SDM

Perlakuan	N	Subset
		1
Duncan ^a P2	3	4.7800E6
P0	3	4.9500E6
P1	3	5.1883E6
Sig.		.397

Means for groups in homogeneous subsets are displayed.

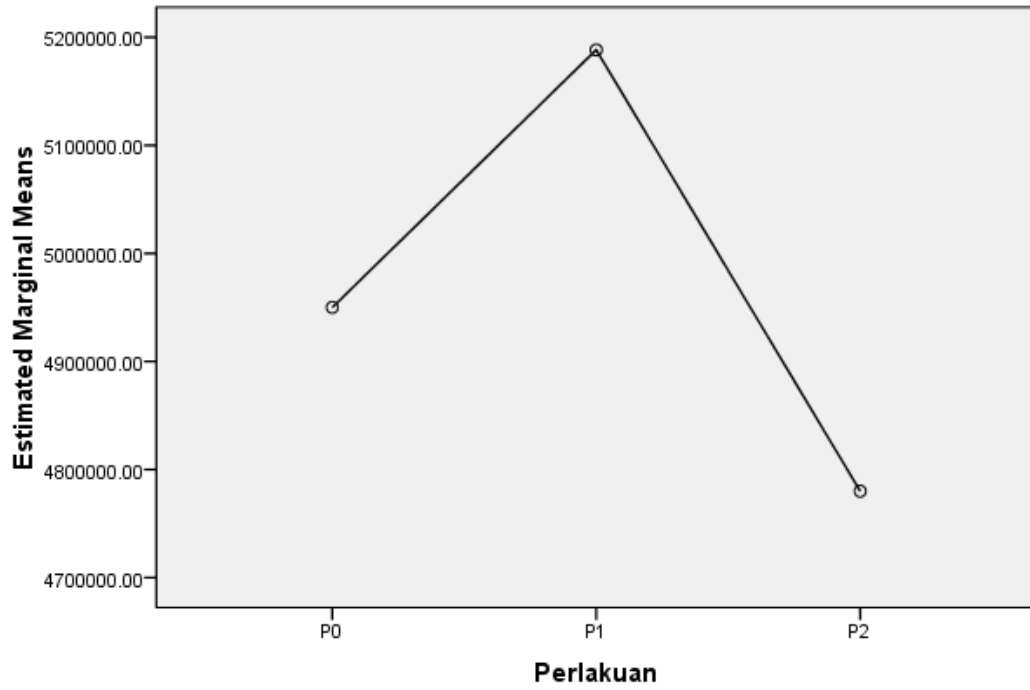
Based on observed means.

The error term is Mean Square(Error) = 28180277777,778.

a. Uses Harmonic Mean Sample Size = 3,000.



Estimated Marginal Means of SDM



Lampiran 5. *Analysis of Variance* (ANOVA) Sel Darah Putih (SDP)

```
UNIANOVA SDP BY Perlakuan
/METHOD=SSTYPE(3)
/INTERCEPT=INCLUDE
/POSTHOC=Perlakuan(DUNCAN LSD)
/PLOT=PROFILE(Perlakuan)
/EMMEANS=TABLES(OVERALL)
/EMMEANS=TABLES(Perlakuan)
/PRINT=HOMOGENEITY DESCRIPTIVE
/CRITERIA=ALPHA(.05)

/DESIGN=Perlakuan.
```

Between-Subjects Factors

		Value Label	N
Perlakuan	1	P0	3
	2	P1	3
	3	P2	3

Descriptive Statistics

Dependent Variable:SDP

Perlakuan	Mean	Std. Deviation	N
P0	9.0500E3	756.63730	3
P1	1.0250E4	1645.44827	3
P2	1.1500E4	4750.78941	3
Total	1.0267E4	2754.65515	9

Tests of Between-Subjects Effects

Dependent Variable:SDP

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	9.005E6 ^a	2	4502500.000	.523	.618
Intercept	9.486E8	1	9.486E8	110.094	.000
	9005000.000	2	4502500.000	.523	.618
	5.170E7	6	8616666.667		
	1.009E9	9			



Tests of Between-Subjects Effects

Dependent Variable:SDP

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	9.005E6 ^a	2	4502500.000	.523	.618
Intercept	9.486E8	1	9.486E8	110.094	.000
Perlakuan	9005000.000	2	4502500.000	.523	.618
Error	5.170E7	6	8616666.667		
Total	1.009E9	9			
Corrected Total	6.070E7	8			

a. R Squared = ,148 (Adjusted R Squared = -,136)

1. Grand Mean

Dependent Variable:SDP

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
1.027E4	978.472	7872.432	12660.901

2. Perlakuan

Dependent Variable:SDP

Perlakuan	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
P0	9.050E3	1694.763	4903.064	13196.936
P1	1.025E4	1694.763	6103.064	14396.936
P2	1.150E4	1694.763	7353.064	15646.936

Multiple Comparisons

Dependent Variable:SDP

	(I)	(J)	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Perlakuan	Perlakuan
LSD	P0	P1	-1200.0000	2.39676E3	.634	-7064.6533	4664.6533
		P2	-2450.0000	2.39676E3	.346	-8314.6533	3414.6533
	P1	P0	1200.0000	2.39676E3	.634	-4664.6533	7064.6533
		P2	-1250.0000	2.39676E3	.621	-7114.6533	4614.6533



	P2	P0	2450.0000	2.39676E3	.346	-3414.6533	8314.6533
		P1	1250.0000	2.39676E3	.621	-4614.6533	7114.6533

Based on observed means.

The error term is Mean Square(Error) = 8616666,667.

SDP

Perlakuan	N	Subset
		1
Duncan ^a P0	3	9.0500E3
P1	3	1.0250E4
P2	3	1.1500E4
Sig.		.361

Means for groups in homogeneous subsets are displayed.

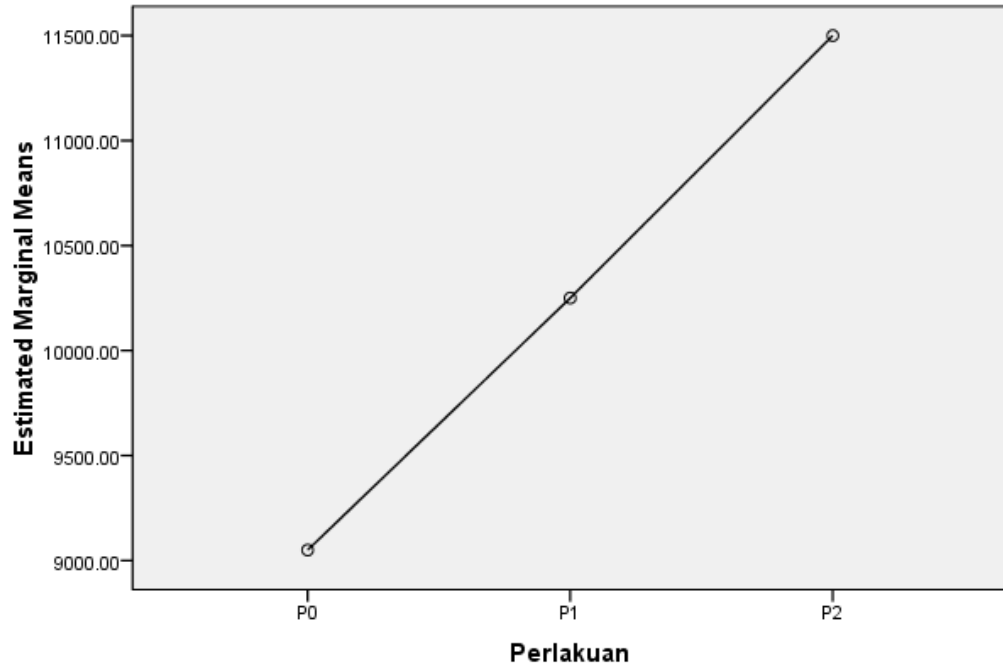
Based on observed means.

The error term is Mean Square(Error) = 8616666,667.

a. Uses Harmonic Mean Sample Size = 3,000.



Estimated Marginal Means of SDP



Lampiran 6. Analysis of Variance (ANOVA Hemoglobin (Hb))

```
UNIANOVA Hb BY Perlakuan
/METHOD=SSTYPE(3)
/INTERCEPT=INCLUDE
/POSTHOC=Perlakuan(DUNCAN LSD)
/PLOT=PROFILE(Perlakuan)
/EMMEANS=TABLES(OVERALL)
/EMMEANS=TABLES(Perlakuan)
/PRINT=HOMOGENEITY DESCRIPTIVE
/CRITERIA=ALPHA(.05)

/DESIGN=Perlakuan.
```

Between-Subjects Factors

		Value Label	N
Perlakuan	1	P0	3
	2	P1	3
	3	P2	3

Descriptive Statistics

Dependent Variable:Hb

Perlakuan	Mean	Std. Deviation	N
P0	9.4100	.16523	3
P1	9.5667	.86153	3
P2	10.0433	1.06237	3
Total	9.6733	.74575	9

Levene's Test of Equality of Error Variances^a

Dependent Variable:Hb

F	df1	df2	Sig.
2.673	2	6	.148

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Perlakuan

Tests of Between-Subjects Effects

Variable:Hb



Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.653 ^a	2	.326	.516	.621
Intercept	842.160	1	842.160	1.331E3	.000
Perlakuan	.653	2	.326	.516	.621
Error	3.796	6	.633		
Total	846.610	9			
Corrected Total	4.449	8			

a. R Squared = ,147 (Adjusted R Squared = -,138)

1. Grand Mean

Dependent Variable:Hb

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
9.673	.265	9.025	10.322

2. Perlakuan

Dependent Variable:Hb

Perlakuan	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
P0	9.410	.459	8.286	10.534
P1	9.567	.459	8.443	10.690
P2	10.043	.459	8.920	11.167

Multiple Comparisons

Dependent Variable:Hb

	(I)	(J)	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	Perlakuan P0	Perlakuan P1	-.1567	.64947	.817	-1.7459	1.4325
		Perlakuan P2	-.6333	.64947	.367	-2.2225	.9559
	Perlakuan P1	Perlakuan P0	.1567	.64947	.817	-1.4325	1.7459
		Perlakuan P2	-.4767	.64947	.491	-2.0659	1.1125
	Perlakuan P2	Perlakuan P0	.6333	.64947	.367	-.9559	2.2225
		Perlakuan P1	.4767	.64947	.491	-1.1125	2.0659



Multiple Comparisons

Dependent Variable:Hb

	(I)	(J)	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	P0	P1	-.1567	.64947	.817	-1.7459	1.4325
		P2	-.6333	.64947	.367	-2.2225	.9559
	P1	P0	.1567	.64947	.817	-1.4325	1.7459
		P2	-.4767	.64947	.491	-2.0659	1.1125
	P2	P0	.6333	.64947	.367	-.9559	2.2225
		P1	.4767	.64947	.491	-1.1125	2.0659

Based on observed means.

The error term is Mean Square(Error) = ,633.

Hb

	Perlaku an	N	Subset
			1
Duncan ^a	P0	3	9.4100
	P1	3	9.5667
	P2	3	10.0433
	Sig.		.381

Means for groups in homogeneous subsets are displayed.

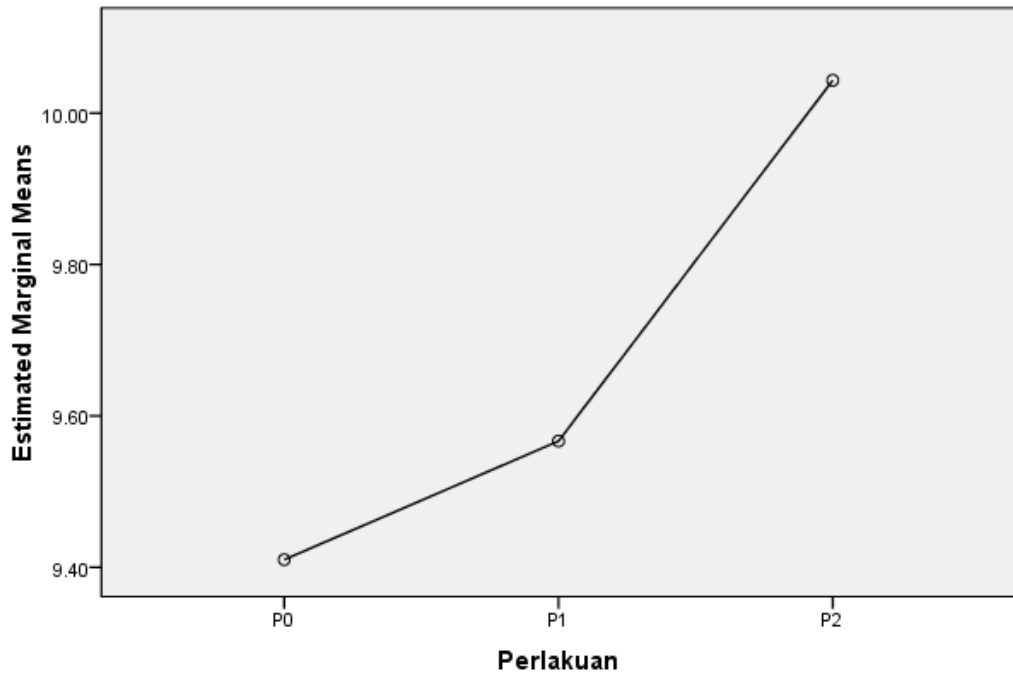
Based on observed means.

The error term is Mean Square(Error) = ,633.

a. Uses Harmonic Mean Sample Size = 3,000.



Estimated Marginal Means of Hb



Lampiran 7. Analysis of Variance (ANOVA) Hematokrit (Hk)

```
UNIANOVA Hk BY Perlakuan
/METHOD=SSTYPE(3)
/INTERCEPT=INCLUDE
/POSTHOC=Perlakuan(DUNCAN LSD)
/PLOT=PROFILE(Perlakuan)
/EMMEANS=TABLES(OVERALL)
/EMMEANS=TABLES(Perlakuan)
/PRINT=HOMOGENEITY DESCRIPTIVE
/CRITERIA=ALPHA(.05)

/DESIGN=Perlakuan.
```

Between-Subjects Factors

		Value Label	N
Perlakuan	1	P0	3
	2	P1	3
	3	P2	3

Descriptive Statistics

Dependent Variable:Hk

Perlakuan	Mean	Std. Deviation	N
P0	25.6667	1.44991	3
P1	30.2200	2.52513	3
P2	29.2200	1.83747	3
Total	28.3689	2.69418	9

Levene's Test of Equality of Error Variances^a

Dependent Variable:Hk

F	df1	df2	Sig.
.827	2	6	.482

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Perlakuan



Tests of Between-Subjects Effects

Variable:Hk

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	34.359 ^a	2	17.180	4.347	.068
Intercept	7243.145	1	7243.145	1.833E3	.000
Perlakuan	34.359	2	17.180	4.347	.068
Error	23.710	6	3.952		
Total	7301.213	9			
Corrected Total	58.069	8			

a. R Squared = ,592 (Adjusted R Squared = ,456)

1. Grand Mean

Dependent Variable:Hk

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
28.369	.663	26.748	29.990

2. Perlakuan

Dependent Variable:Hk

Perlakuan	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
P0	25.667	1.148	22.858	28.475
P1	30.220	1.148	27.412	33.028
P2	29.220	1.148	26.412	32.028

Multiple Comparisons

Dependent Variable:Hk

	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	P0	P1	-4.5533 [*]	1.62309	.031	-8.5249	-.5818
		P2	-3.5533	1.62309	.071	-7.5249	.4182
	P1	P0	4.5533 [*]	1.62309	.031	.5818	8.5249
		P2	1.0000	1.62309	.560	-2.9715	4.9715
	P2	P0	3.5533	1.62309	.071	-.4182	7.5249
		P1	-1.0000	1.62309	.560	-4.9715	2.9715



Multiple Comparisons

Dependent Variable: Hk

	(I)	(J)	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	P0	P1	-4.5533*	1.62309	.031	-8.5249	-.5818
		P2	-3.5533	1.62309	.071	-7.5249	.4182
	P1	P0	4.5533*	1.62309	.031	.5818	8.5249
		P2	1.0000	1.62309	.560	-2.9715	4.9715
	P2	P0	3.5533	1.62309	.071	-.4182	7.5249
		P1	-1.0000	1.62309	.560	-4.9715	2.9715

Based on observed means.

The error term is Mean Square(Error) = 3,952.

*. The mean difference is significant at the ,05 level.

Hk

Perlakuan	N	Subset	
		1	2
Duncan ^a			
P0	3	25.6667	
P2	3	29.2200	29.2200
P1	3		30.2200
Sig.		.071	.560

Means for groups in homogeneous subsets are displayed.

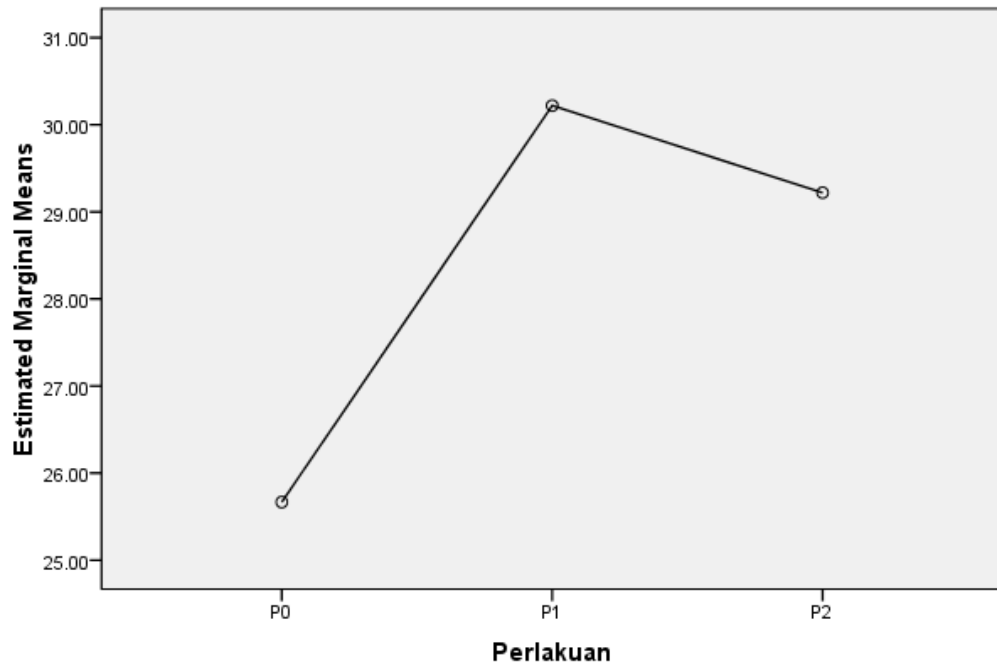
Based on observed means.

The error term is Mean Square(Error) = 3,952.

a. Uses Harmonic Mean Sample Size = 3,000.



Estimated Marginal Means of Hk



BIODATA PENELITI



FAISAL ASBAR (I 111 14 002) ,lahir di Bantaeng, pada tanggal 25 Mei 1995, Anak dari pasangan Jabbar dan Ny Sohra. Mengenyam pendidikan tingkat dasar pada SD Inpres Bonto-Bonto (2008), setelah di bangku Sekolah Dasar kemudian melanjutkan pendidikan lanjutan pertama pada SMP Negeri 2 Bantaeng (2011), kemudian melanjutkan pendidikan menengah pada SMA Negeri 1 Bantaeng (2014) sekarang kuliah pada salah satu Perguruan Tinggi Negeri pada jurusan Peternakan, Fakultas Peternakan Universitas Hasanuddin dengan program Strata Satu (S1) (2014-sekarang).

