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Lampiran 1. Hasil determinasi daun pacar arab



UPT-LABORATORIUM

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Nomor : 311/DET/UPT-LAB/25.11.2021

Hal : Hasil determinasi tumbuhan

Lamp. : *

Nama Pemesan : Wulan Levia

NIM : 24185545A

Alamat : Program Studi S-1 Farmasi,
Universitas Setia Budi, Surakarta

Nama sampel : Pacar Kuku / *Lawsonia inermis* L.

HASIL DETERMINASI TUMBUHAN

Klasifikasi

Kingdom : Plantae

Super Divisi : Spermatophyta

Divisi : Magnoliophyta

Kelas : Magnoliopsida

Ordo : Myrtales

Famili : Lythraceae

Genus : *Lawsonia*

Species : *Lawsonia inermis* L.

Hasil Determinasi menurut Steenis, C.G.G.J.V, Bloembergen, H, Eyma, P.J. 1992 :

1b – 2b – 3b – 4b – 6b – 7b – 9b – 10b – 11b – 12b – 13b – 14b – 16a, golongan 10. 239b – 243b – 244b – 248b – 249b – 250a – 251b – 253b – 254b – 255b – 256b – 261a – 262a. familia 88. Lythraceae. 1a – 2b. 3. *Lawsonia*. *Lawsonia inermis* L.

Deskripsi:

Habitus : Perdu, tinggi 1 – 4 meter.

Akar : Akar tunggang.

Batang : Batang tua bulat, berkayu, batang muda bersayap.

- Daun : Daun tunggal, duduk berhadapan, bangun bulat telur terbalik, ujung runcing, pangkal meruncing, tepi rata, tulang daun menyirip, permukaan atas hijau tua, permukaan bawah hijau muda, panjang 2,7 – 5,5 cm, lebar 1,4 – 2,3 cm.
- Bunga : Bunga majemuk malai, di ujung dan di ketiak, mahkota kuning muda.

Kepala UPT-LAB
Universitas Setia Budi



Asik Gunawan, Amdk

Surakarta, 25 November 2021

Penanggung jawab
Determinasi Tumbuhan

Dra. Dewi Sulistyawati. M.Sc.

Lampiran 2. Perhitungan penetapan rendemen serbuk daun pacar arab

1. Rendemen persen daun pacar arab

$$\begin{aligned}
 \text{persen rendemen} &= \frac{\text{berat kering daun pacar arab}}{\text{berat basah daun pacar aeab}} \times 100\% \\
 \text{persen rendemen} &= \frac{2000\text{gram}}{6000\text{gram}} \times 100\% \\
 \text{Lost on drying (LOD)} &= 100\% - \text{persen rendemen} \\
 &= 100\% - 33,33\% \\
 &= 66,67\%
 \end{aligned}$$

2. Rendemen % serbuk kering terhadap daun kering pacar arab

$$\begin{aligned}
 \text{persen rendemen} &= \frac{\text{berat serbuk daun pacar arab}}{\text{berat kering daun pacar aeab}} \times 100\% \\
 \text{persen rendemen} &= \frac{1500}{2000} \times 100\% \\
 &= 75\%
 \end{aligned}$$

3. Rendemen persen ekstrak kental terhadap serbuk daun gedhi

$$\begin{aligned}
 \text{persen rendemen} &= \frac{\text{berat ekstrak kental daun pacar arab}}{\text{berat serbuk daun pacar aeab}} \times 100\% \\
 \text{persen rendemen} &= \frac{188\text{gram}}{800\text{ gram}} \times 100\% \\
 &= 23,5\%
 \end{aligned}$$

4. Kadar air serbuk

$$\begin{aligned}
 1. \text{ kadar air} &= \frac{1,9\text{ml}}{20} \times 100\% &= 9,5\% \\
 2. \text{ kadar air} &= \frac{1,8\text{ml}}{20} \times 100\% &= 9\% \\
 3. \text{ kada air} &= \frac{1,8\text{ml}}{20} \times 100\% &= 9\%
 \end{aligned}$$

Lampiran 3. Daun pacar arab



Lampiran 4. Ekstrak daun pacar arab



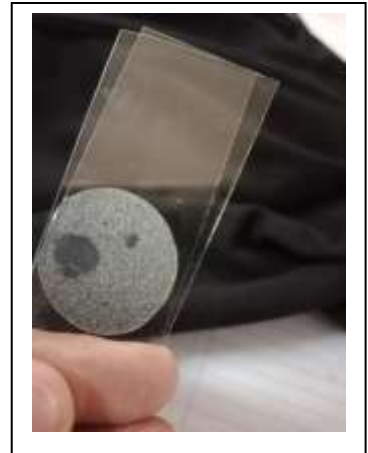
**Lampiran 5. Penetapan kadar air ekstrak daun the hijau
(perhitungan gravitrimetri)**



Lampiran 6. Identifikasi kandungan kimia daun pacar arab



Lampiran 7. Hasil pembuatan sediaan salep

Lampiran 8. Alat pengujian mutu fisik sediaan salep

Lampiran 9. Luka sayat kelinci



Hari 1



Hari 3



Hari 6



Hari 8



Hari 11



Hari 14

Lampiran 10. Hasil uji mutu fisik

PH

PH				
Replikasi	F ORMULA 1	FORMULA 2	FORMULA 3	Basis salep
1.	6,17	6,07	6,07	5,52
2	6,19	6,07	6,05	5,5
3	6,19	6,08	6,05	5,5
Rata rata	6,18	6,07	6,05	5,50

Viskositas

Viskositas				
Replikasi	F ORMULA 1	FORMULA 2	FORMULA 3	Basis salep
1.	145	150	155	145
2	145	145	160	135
3	150	150	155	145
Rata2	146,66	148,33	156,66	141,66

Daya lekat

daya lekat				
Replikasi	FORMULA 1	FORMULA 2	FORMULA 3	Basis salep
1.	6,73	8,32	11,17	5,64
2	6,00	8,40	11,00	5,72
3	6,53	8,35	11,04	5,56
Rata2	6,42	8,35	11,07	5,64

Daya sebar

Daya sebar					
Formula	Beban	replikasi 1	Replikasi 2	3	Rata2
Formula 1	Tanpa beban	5,92	5,85	5,75	5,84
	50 gram	6,05	6,55	6,27	6,29
	100 gram	6,4	6,5	6,25	6,38
	150 gram	6,55	6,52	6,45	6,50
	200 gram	6,67	6,7	6,62	6,66
Formula 2	Tanpa beban	5,9	5,77	5,75	5,80
	50 gram	6,27	6,02	6,05	6,11
	100 gram	6,47	6,35	6,25	6,35
	150 gram	6,52	6,52	6,42	6,48
	200 gram	6,6	6,65	6,57	6,60
Formula 3	Tanpa beban	5,7	5,75	5,75	5,73
	50 gram	6,1	6,07	6,07	6,08
	100 gram	6,22	6,22	6,4	6,28
	150 gram	6,45	6,42	6,42	6,43
	200 gram	6,57	6,47	6,45	6,49
Basis salep	Tanpa beban	5,92	5,95	5,95	5,94
	50 gram	6,3	6,55	6,27	6,37
	100 gram	6,47	6,47	6,42	6,45
	150 gram	6,67	6,65	6,45	6,59
	200 gram	6,7	6,65	6,62	6,65

Stabilitas**PH**

Sebelum						Setelah		
Replikasi	F 1	F 2	F 3	(-)	F 1	F 2	F 3	(-)
1.	6,17	6,07	6,07	5,52	5,42	5,51	5,62	5,4
2	6,19	6,07	6,05	5,5	5,40	5,53	6,65	5,4
3	6,19	6,08	6,05	5,5	5,40	5,53	6,65	5,4
Rata2	6,18	6,07	6,05	5,50	5,40	5,52	5,64	5,4

Viskositas

Sebelum						Setelah		
Replikasi	F1	F2	F3	(-)	F 1	F 2	F 3	(-)
1.	145	150	155	145	142	146	150	135
2	145	145	160	135	140	143	155	142
3	150	150	155	145	145	150	150	143
Rata2	146,66	148,33	156,66	141,66	142,33	146,33	151,66	140

Daya lekat

Setelah						sebelum		
Replikasi	F1	F2	F3	(-)	F 1	F 2	F 3	(-)
1.	6,73	8,32	11,17	5,64	6,40	7,75	9,43	5,55
2	6,00	8,40	11,00	5,72	6,40	7,75	9,40	5,50
3	6,53	8,35	11,04	5,56	6,42	7,53	9,42	5,55
Rata2	6,42	8,35	11,07	5,64	6,40	7,67	9,41	5,53

Daya sebar

[illegible]

Lampiran 11. Daya sebar luka sayat

Hari	1 (7,5%)					2 (11,25%)					3 (15%)					4 (Positif)					5 (negatif)				
	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5
1	2,0	1,9	1,9	1,8	1,9	2,0	2,0	1,7	1,9	1,9	1,7	1,9	1,9	2,0	2,0	1,9	1,9	1,8	1,8	2,0	2,0	1,7	2,0	2,0	1,9
2	1,8	1,5	1,9	1,9	1,7	1,8	1,8	1,6	1,7	1,7	1,5	1,5	1,8	1,8	1,9	1,7	1,7	1,7	1,7	1,9	1,9	1,6	2,0	2,0	1,8
3	1,8	1,7	1,7	1,7	1,8	1,8	1,8	1,6	1,7	1,7	1,3	1,4	1,8	1,7	1,8	1,6	1,6	1,6	1,7	1,8	1,8	1,5	1,9	1,9	1,7
4	1,7	1,7	1,6	1,7	1,6	1,7	1,7	1,5	1,6	1,6	1,1	1,2	1,7	1,6	1,6	1,4	1,4	1,5	1,5	1,7	1,7	1,4	1,5	1,6	1,6
5	1,6	1,6	1,4	1,5	1,5	1,5	1,6	1,4	1,5	1,5	0,9	1,0	1,6	1,5	1,5	1,4	1,4	1,4	1,5	1,6	1,6	1,3	1,8	1,8	1,5
6	1,4	1,4	1,3	1,5	1,4	1,3	1,3	1,2	1,3	1,4	0,8	0,8	1,2	1,3	1,4	1,2	1,2	1,2	1,3	1,4	1,5	1,1	1,4	1,4	1,5
7	1,3	1,2	1,2	1,2	1,3	1,2	1,3	1,2	1,3	1,4	0,7	0,6	1,2	1,3	1,2	1,1	1,0	1,1	1,2	1,2	1,4	1,1	1,3	1,3	1,4
8	1,0	0,9	1,1	1,1	1,3	0,9	0,9	0,9	1,1	1,1	0,5	0,5	0,9	0,9	0,9	0,8	0,8	0,9	1,1	1,1	1,2	1,0	1,2	1,1	1,3
9	0,9	0,8	1,0	1,0	1,2	0,8	0,8	0,8	0,9	1,0	0,3	0,3	0,7	0,8	0,7	0,6	0,6	0,7	0,9	0,9	1,1	0,9	1,1	1,0	1,2
10	0,8	0,7	0,9	1,0	1,1	0,7	0,7	0,7	0,8	0,9	0,2	0,2	0,8	0,7	0,6	0,5	0,5	0,6	0,9	0,7	1,0	0,8	1,0	1,0	1,1
11	0,7	0,6	0,9	0,9	0,8	0,5	0,5	0,6	0,5	0,9	0,0	0,1	0,5	0,5	0,4	0,3	0,2	0,6	0,8	0,6	0,9	0,6	0,8	0,9	0,9
12	0,4	0,3	0,7	0,3	0,7	0,3	0,3	0,3	0,3	0,7	0,0	0,0	0,1	0,2	0,2	0,1	0,0	0,3	0,4	0,3	0,5	0,4	0,5	0,6	0,7
13	0,1	0,1	0,4	0,1	0,4	0,0	0,0	0,0	0,1	0,5	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,0	0,3	0,2	0,1	0,4	0,4
14	0,0	0,0	0,1	0,0	0,1	0,0	0,0	0,0	0,0	0,2	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,1	0,0	0,0	0,1	0,1

Lampiran 12. Data analisis spss

Uji Asumsi Normalitas

Tests of Normality						
	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	Df	Sig.	Statistic	df	Sig.
PH	0,206	12	0,170	0,869	12	0,064
Viskositas	0,224	12	0,098	0,922	12	0,305
Daya_Lekat	0,187	12	0,200	0,861	12	0,050

Hasil Uji Anova Variabel PH

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
PH	Between Groups	8,041	3	2,680	13401,611	0,000
	Within Groups	0,002	8	0,000		
	Total	8,043	11			

Uji Lanjut Variabel PH

Multiple Comparisons						
Dependent Variable: PH						
Bonferroni						
(I) Kategori	(J) Kategori	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Formula 1	Formula 2	-.51667*	.01155	.000	-.5568	-.4765
	Formula 3	.12667*	.01155	.000	.0865	.1668
	Basis Salep	1.67667*	.01155	.000	1.6365	1.7168
Formula 2	Formula 1	.51667*	.01155	.000	.4765	.5568
	Formula 3	.64333*	.01155	.000	.6032	.6835
	Basis Salep	2.19333*	.01155	.000	2.1532	2.2335
Formula 3	Formula 1	-.12667*	.01155	.000	-.1668	-.0865
	Formula 2	-.64333*	.01155	.000	-.6835	-.6032

	Basis Salep	1.55000*	.01155	.000	1.5098	1.5902
Basis Salep	Formula 1	-1.67667*	.01155	.000	-1.7168	-1.6365
	Formula 2	-2.19333*	.01155	.000	-2.2335	-2.1532
	Formula 3	-1.55000*	.01155	.000	-1.5902	-1.5098

Hasil Uji Anova Variabel Viskositas

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
Viskositas	Between Groups	350,000	3	116,667	8,000	0,009
	Within Groups	116,667	8	14,583		
	Total	466,667	11			

Uji Lanjut Variabel Viskositas

Multiple Comparisons						
Dependent Variable: Viskositas						
Bonferroni						
(I) Kategori	(J) Kategori	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Formula 1	Formula 2	-1.66667	3.11805	1.000	-12.5140	9.1806
	Formula 3	-10.00000	3.11805	.075	-20.8473	.8473
	Basis Salep	5.00000	3.11805	.885	-5.8473	15.8473
Formula 2	Formula 1	1.66667	3.11805	1.000	-9.1806	12.5140
	Formula 3	-8.33333	3.11805	.169	-19.1806	2.5140
	Basis Salep	6.66667	3.11805	.390	-4.1806	17.5140
Formula 3	Formula 1	10.00000	3.11805	.075	-.8473	20.8473
	Formula 2	8.33333	3.11805	.169	-2.5140	19.1806
	Basis Salep	15.00000*	3.11805	.008	4.1527	25.8473
Basis	Formula 1	-5.00000	3.11805	.885	-15.8473	5.8473

Salep	Formula 2	-6.66667	3.11805	.390	-17.5140	4.1806
	Formula 3	-15.00000*	3.11805	.008	-25.8473	-4.1527

Hasil Uji Anova Variabel Daya Lekat

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
Daya_Lekat	Between Groups	52.657	3	17.552	443.705	.000
	Within Groups	.316	8	.040		
	Total	52.973	11			

Uji Lanjut Variabel Daya Lekat

Multiple Comparisons						
Dependent Variable: Daya_Lekat						
Bonferroni						
(I) Kategori	(J) Kategori	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Formula 1	Formula 2	-1.93667*	.16240	.000	-2.5016	-1.3717
	Formula 3	-4.65000*	.16240	.000	-5.2150	-4.0850
	Basis Salep	.78000*	.16240	.008	.2150	1.3450
Formula 2	Formula 1	1.93667*	.16240	.000	1.3717	2.5016
	Formula 3	-2.71333*	.16240	.000	-3.2783	-2.1484
	Basis Salep	2.71667*	.16240	.000	2.1517	3.2816
Formula 3	Formula 1	4.65000*	.16240	.000	4.0850	5.2150
	Formula 2	2.71333*	.16240	.000	2.1484	3.2783
	Basis Salep	5.43000*	.16240	.000	4.8650	5.9950
Basis Salep	Formula 1	-.78000*	.16240	.008	-1.3450	-.2150
	Formula 2	-2.71667*	.16240	.000	-3.2816	-2.1517
	Formula 3	-5.43000*	.16240	.000	-5.9950	-4.8650

Uji Asumsi Normalitas

Tests of Normality						
	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
PH	0,206	12	0,170	0,869	12	0,064
Viskositas	0,224	12	0,098	0,922	12	0,305
Daya_Lekat	0,187	12	0,200	0,861	12	0,050
Daya_Sebar	0,178	60	0,200	0,908	60	0,200

Hasil Uji Anova Variabel PH

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
PH	Between Groups	8,041	3	2,680	13401,611	0,000
	Within Groups	0,002	8	0,000		
	Total	8,043	11			

Uji Lanjut Variabel PH

Multiple Comparisons						
Dependent Variable: PH						
Bonferroni						
(I) Kategori	(J) Kategori	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Formula 1	Formula 2	-.51667*	.01155	.000	-.5568	-.4765
	Formula 3	.12667*	.01155	.000	.0865	.1668
	Basis Salep	1.67667*	.01155	.000	1.6365	1.7168
Formula 2	Formula 1	.51667*	.01155	.000	.4765	.5568
	Formula 3	.64333*	.01155	.000	.6032	.6835

	Basis Salep	2.19333*	.01155	.000	2.1532	2.2335
Formula 3	Formula 1	-.12667*	.01155	.000	-.1668	-.0865
	Formula 2	-.64333*	.01155	.000	-.6835	-.6032
	Basis Salep	1.55000*	.01155	.000	1.5098	1.5902
Basis Salep	Formula 1	-1.67667*	.01155	.000	-1.7168	-1.6365
	Formula 2	-2.19333*	.01155	.000	-2.2335	-2.1532
	Formula 3	-1.55000*	.01155	.000	-1.5902	-1.5098

Hasil Uji Anova Variabel Viskositas

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
Viskositas	Between Groups	350,000	3	116,667	8,000	0,009
	Within Groups	116,667	8	14,583		
	Total	466,667	11			

Uji Lanjut Variabel Viskositas

Multiple Comparisons						
Dependent Variable: Viskositas						
Bonferroni						
(I) Kategori	(J) Kategori	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Formula 1	Formula 2	-1.66667	3.11805	1.000	-12.5140	9.1806
	Formula 3	-10.00000	3.11805	.075	-20.8473	.8473
	Basis Salep	5.00000	3.11805	.885	-5.8473	15.8473

Formula 2	Formula 1	1.66667	3.11805	1.000	-9.1806	12.5140
	Formula 3	-8.33333	3.11805	.169	-19.1806	2.5140
	Basis Salep	6.66667	3.11805	.390	-4.1806	17.5140
Formula 3	Formula 1	10.00000	3.11805	.075	-.8473	20.8473
	Formula 2	8.33333	3.11805	.169	-2.5140	19.1806
	Basis Salep	15.00000*	3.11805	.008	4.1527	25.8473
Basis Salep	Formula 1	-5.00000	3.11805	.885	-15.8473	5.8473
	Formula 2	-6.66667	3.11805	.390	-17.5140	4.1806
	Formula 3	-15.00000*	3.11805	.008	-25.8473	-4.1527

Hasil Uji Anova Variabel Daya Lekat

ANOVA						
		Sum of Squares	df	Mean Square	F	Sig.
Daya_Lekat	Between Groups	52.657	3	17.552	443.705	.000
	Within Groups	.316	8	.040		
	Total	52.973	11			

Tabel 4.7 Uji Lanjut Variabel Daya Lekat

Multiple Comparisons						
Dependent Variable: Daya_Lekat						
Bonferroni						
(I) Kategori	(J) Kategori	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Formula 1	Formula 2	-1.93667*	.16240	.000	-2.5016	-1.3717
	Formula 3	-4.65000*	.16240	.000	-5.2150	-4.0850
	Basis Salep	.78000*	.16240	.008	.2150	1.3450
Formula 2	Formula 1	1.93667*	.16240	.000	1.3717	2.5016
	Formula 3	-2.71333*	.16240	.000	-3.2783	-2.1484
	Basis Salep	2.71667*	.16240	.000	2.1517	3.2816
Formula 3	Formula 1	4.65000*	.16240	.000	4.0850	5.2150

Basis Salep	Formula 2	2.71333*	.16240	.000	2.1484	3.2783
	Basis Salep	5.43000*	.16240	.000	4.8650	5.9950
	Formula 1	-.78000*	.16240	.008	-1.3450	-.2150
	Formula 2	-2.71667*	.16240	.000	-3.2816	-2.1517
	Formula 3	-5.43000*	.16240	.000	-5.9950	-4.8650

Tabel 4.8 Hasil Uji Anova Variabel Daya Sebar

Tests of Between-Subjects Effects					
Dependent Variable: daya_sebar					
Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	4.796 ^a	19	.252	26.551	.000
Intercept	2384.677	1	2384.677	250842.615	.000
formula	.326	3	.109	11.414	.000
beban	4.413	4	1.103	116.041	.000
formula * beban	.058	12	.005	.505	.899
Error	.380	40	.010		
Total	2389.853	60			
Corrected Total	5.176	59			
a. R Squared = .927 (Adjusted R Squared = .892)					

Uji Lanjut Variabel Daya Sebar

Multiple Comparisons						
Dependent Variable: daya_sebar						
Bonferroni						
(I) beban	(J) beban	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Tanpa Beban	50 gr	-.3842*	.03981	.000	-.5024	-.2659
	100 gr	-.5383*	.03981	.000	-.6566	-.4201
	150 gr	-.6733*	.03981	.000	-.7916	-.5551
	200 gr	-.7758*	.03981	.000	-.8941	-.6576
50 gr	Tanpa Beban	.3842*	.03981	.000	.2659	.5024

	100 gr	-.1542*	.03981	.004	-.2724	-.0359
	150 gr	-.2892*	.03981	.000	-.4074	-.1709
	200 gr	-.3917*	.03981	.000	-.5099	-.2734
100 gr	Tanpa Beban	.5383*	.03981	.000	.4201	.6566
	50 gr	.1542*	.03981	.004	.0359	.2724
	150 gr	-.1350*	.03981	.016	-.2533	-.0167
	200 gr	-.2375*	.03981	.000	-.3558	-.1192
150 gr	Tanpa Beban	.6733*	.03981	.000	.5551	.7916
	50 gr	.2892*	.03981	.000	.1709	.4074
	100 gr	.1350*	.03981	.016	.0167	.2533
	200 gr	-.1025	.03981	.138	-.2208	.0158
200 gr	Tanpa Beban	.7758*	.03981	.000	.6576	.8941
	50 gr	.3917*	.03981	.000	.2734	.5099
	100 gr	.2375*	.03981	.000	.1192	.3558
	150 gr	.1025	.03981	.138	-.0158	.2208

Multiple Comparisons						
Dependent Variable: daya_sebar						
Bonferroni						
(I) formula	(J) formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Formula 1	Formula 2	.0627	.03560	.516	-.0362	.1615
	Formula 3	.1327*	.03560	.004	.0338	.2315
	Basis Salep	-.0660	.03560	.427	-.1648	.0328
Formula 2	Formula 1	-.0627	.03560	.516	-.1615	.0362
	Formula 3	.0700	.03560	.337	-.0288	.1688

	Basis Salep	-.1287*	.03560	.005	-.2275	-.0298
Formula 3	Formula 1	-.1327*	.03560	.004	-.2315	-.0338
	Formula 2	-.0700	.03560	.337	-.1688	.0288
	Basis Salep	-.1987*	.03560	.000	-.2975	-.0998
Basis Salep	Formula 1	.0660	.03560	.427	-.0328	.1648
	Formula 2	.1287*	.03560	.005	.0298	.2275
	Formula 3	.1987*	.03560	.000	.0998	.2975

UJI T BERPASANGAN (UJI PERBEDAAN)

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
PH	.300	24	.052	.785	24	.072
Viskositas	.152	24	.159	.956	24	.356
Daya_Lekat	.172	24	.065	.888	24	.095
Daya_Sebar	.177	60	.072	.911	60	.083

a. Lilliefors Significance Correction

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	PH_SEBELUM	6.8617	12	.85507	.24684
	PH_SESUDAH	5.6592	12	.46843	.13522
Pair 2	Viskositas_SEBELUM	148.3333	12	6.51339	1.88025
	Viskositas_SESUDAH	145.0833	12	5.45158	1.57373
Pair 3	DAYALEKAT_SEBELUM	7.2583	12	1.52667	.44071
	DAYALEKAT_SESUDAH	7.8717	12	2.19448	.63349

Paired Samples Test

		Paired Differences							Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference		t	df	
					Lower	Upper			
Pair 1	PH_SEBELUM - PH_SESUDAH	1.20250	.89397	.25807	.63450	1.77050	4.660	11	.001
Pair 2	Viskositas_SEBELUM - Viskositas_SESUDAH	3.25000	4.04801	1.16856	.67802	5.82198	2.781	11	.018
Pair 3	DAYALEKAT_SEBELUM - DAYALEKAT_SESUDAH	-.61333	.70423	.20329	-1.06078	-.16589	-3.017	11	.012

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	DAYASEBAR_SEBELUM	5.0663	60	.31758	.04100
	DAYASEBAR_SESUDAH	6.3043	60	.29619	.03824

Paired Samples Test

		Paired Differences							Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference		t	df	
					Lower	Upper			
Pair 1	DAYASEBAR_SEBELUM - DAYASEBAR_SESUDAH	-1.23800	.13290	.01716	-1.27233	-1.20367	-72.153	59	.000

Uji Asumsi Normalitas

Tests of Normality						
	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Daya_Sebar_Luka	.244	349	.170	.937	349	.307

Hasil Uji Anova Variabel Daya Sebar Luka

ANOVA					
Daya_Sebar_Luka					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3.736	4	.934	2.482	.044
Within Groups	129.831	345	.376		
Total	133.567	349			

Perbedaan rata-rata Variabel Daya Sebar Luka

Multiple Comparisons						
Dependent Variable: Daya_Sebar_Luka						
Bonferroni						
(I) Kategori	(J) Kategori	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
7,5%	11,25%	.06571	.10369	1.000	-.2272	.3587
	15%	.24714	.10369	.177	-.0458	.5401
	positif	.14429	.10369	1.000	-.1487	.4372
	negatif	-.04143	.10369	1.000	-.3344	.2515
11,25%	7,5%	-.06571	.10369	1.000	-.3587	.2272
	15%	.18143	.10369	.811	-.1115	.4744
	positif	.07857	.10369	1.000	-.2144	.3715
	negatif	-.10714	.10369	1.000	-.4001	.1858
15%	7,5%	-.24714	.10369	.177	-.5401	.0458
	11,25%	-.18143	.10369	.811	-.4744	.1115
	positif	-.10286	.10369	1.000	-.3958	.1901
	negatif	-.28857	.10369	.057	-.5815	.0044
Positif	7,5%	-.14429	.10369	1.000	-.4372	.1487
	11,25%	-.07857	.10369	1.000	-.3715	.2144
	15%	.10286	.10369	1.000	-.1901	.3958
	negatif	-.18571	.10369	.742	-.4787	.1072
Negatif	7,5%	.04143	.10369	1.000	-.2515	.3344
	11,25%	.10714	.10369	1.000	-.1858	.4001
	15%	.28857	.10369	.057	-.0044	.5815
	positif	.18571	.10369	.742	-.1072	.4787