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Lampiran 1. Hasil determinasi tanaman buah labu air



**UNIVERSITAS
SETIA BUDI**

UPT-LABORATORIUM

Jl. Letjen Sutoyo, Mojosongo-Solo 57127 Telp. 0271-852518, Fax. 0271-853275

Nomor : 110/DET/UPT-LAB/9.01.2021

Hal : Hasil determinasi tumbuhan

Lamp. : -

Nama Pemesan : Tutut Maha Tri Handayani

NIM : 22164892A

Alamat : Program Studi S1 Farmasi, Universitas Setia Budi, Surakarta

Nama Sampel : *Lagenaria siceraria*

HASIL DETERMINASI TUMBUHAN

Klasifikasi

Kingdom : Plantae

Super Divisi : Spermatophyta

Divisi : Magnoliophyta

Kelas : Magnoliopsida/Dicotyledoneae

Ordo : Cucurbitales

Famili : Cucurbitaceae

Genus : *Lagenaria*

Species : *Lagenaria siceraria* (Molina) Stand

Hasil Determinasi menurut C.A. Backer & R.C. Bakhuizen van den Brink Jr. (1963) dan She *et al.* (2005); Steenis, C.G.G.J.V, Bloembergen, H, Eyma, P.J. 1992 :

1b – 2a – 27a – 28b – 29b – 30b – 31b. Familia 118. Cucurbitaceae. 1b – 2b – 4b – 6b – 7b – 9a – 10a.

Genus *Lagenaria*. 1. *Lagenaria siceraria* (Molina) Stand.

Deskripsi:

- Habitus : Herba semusim yang tumbuh menjalar.
Batang : Batang persegi dengan alat pembelit, berbulu.
Daun : Daun tunggal, tangkai silindris, tangkai daun 5-30 cm, warna kuliah, permukaan kasar
Bunga : Bunga berumah satu, axillair, warna kuning kehijauan, mahkota 5, benangsari 5, putik 3. Bunga jantan bertangkai 5-25 cm. Bunga betina bertangkai pendek 2-5 cm.
Buah : Bulat memanjang, bentuk seperti botol panjang warna hijau kekuningan, tekstur kulit keras
Biji : Biji banyak, pipih, lonjong, warna putih.
Akar : Akar tunggang.

Kepala UPT-LAB

Universitas Setia Budi



Asik Gunawan, Amdk

Surakarta, 9 Januari 2021

Penanggung jawab

Determinasi Tumbuhan

Dra. Dewi Sulistyawati. M.Sc.

Lampiran 2. Surat *ethical clearance*

10/16/2020

KEPK-RSDM



HEALTH RESEARCH ETHICS COMMITTEE
KOMISI ETIK PENELITIAN KESEHATAN

Dr. Moewardi General Hospital
RSUD Dr. Moewardi

ETHICAL CLEARANCE
KELAIKAN ETIK

Nomor : 1.182 / X / HREC / 2020

The Health Research Ethics Committee Dr. Moewardi
Komisi Etik Penelitian Kesehatan RSUD Dr. Moewardi

after reviewing the proposal design, herewith to certify
setelah menilai rancangan penelitian yang diusulkan, dengan ini menyatakan

That the research proposal with topic :
Bahwa usulan penelitian dengan judul

Uji Aktivitas Gel Ekstrak Buah Labu Air (Lagenaria siceraria) terhadap Penyembuhan Luka Bakar Derajat II Pada Punggung Kelinci New Zealand

Principal investigator : Tutut Maha Tri Handayani
Peneliti Utama 22164892A

Location of research : Laboratorium Universitas Setia Budi
Lokasi Tempat Penelitian

Is ethically approved
Dinyatakan layak etik

Issued on : 16 Oktober 2020

Chairman
Ketua


Dr. Wahyu Dwi Atmoko, Sp.F
19770224 201001 1 004

rsmdwardi.com/komisi-etika/kenk/ethicalclearance/22164892A-1696

1/1

Lampiran 3. Tanaman buah labu air



Tanaman labu air



Buah labu air



Penimbangan buah



Perajangan buah



Pengeringan buah



Proses oven



Penggilingan disk mill



Proses blender



Hasil blender

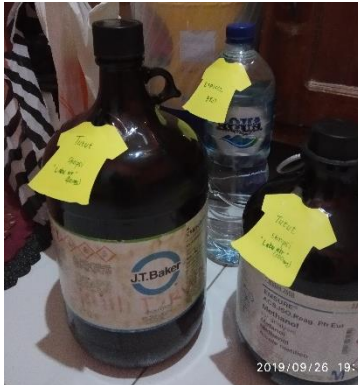


Pengayakan mesh no. 60



Hasil pengayakan

Lampiran 4. Proses ekstraksi



Proses ekstraksi



Penyaringan



Proses evaporasi

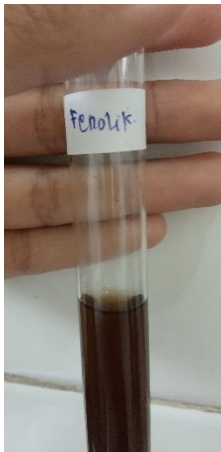


Pemekatan di *water bath*



Hasil ekstrak

Lampiran 5. Identifikasi serbuk dan ekstrak



Fenolik serbuk



Flavonoid serbuk



Saponin serbuk



Alkaloid serbuk (mayer)



Alkaloid serbuk (dragendorff)



Fenolik ekstrak



Flavonoid ekstrak



Saponin ekstrak



Alkaloid ekstrak (mayer)



Alkaloid ekstrak (dragendorff)

Lampiran 6. Penetapan susut pengeringan dan kadar air serbuk dan ekstrak buah labu air

Susut pengeringan serbuk



Replikasi I



Replikasi II



Replikasi III

Susut pengeringan ekstrak



Replikasi I



Replikasi II



Replikasi III

Kadar air serbuk



Kadar air ekstrak



Uji bebas etanol



Lampiran 7. Uji mutu fisik dan stabilitas gel



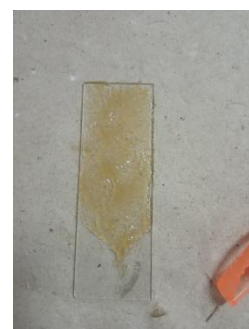
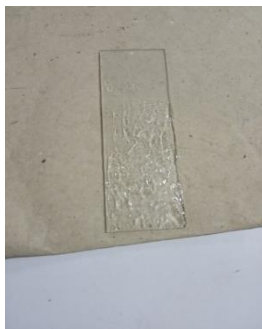
Uji viskositas



Uji pH



Uji daya lekat



Uji homogenitas F1 Uji homogenitas F2 Uji homogenitas F3 Uji homogenitas F4

Uji daya sebar



Tanpa beban



Beban 50 g



Beban 100 g



Beban 150 g

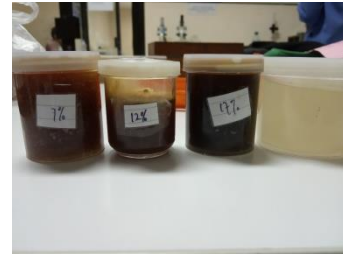
Uji Stabilitas



Hari ke -7



Hari ke-14



Hari ke-21

Uji viskositas



Hari ke-7

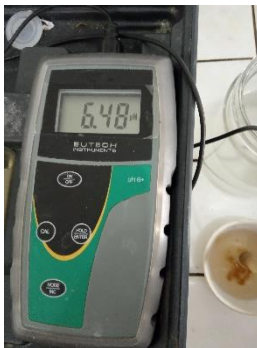


Hari ke-14



Hari ke-21

Uji pH



Hari ke-7



Hari ke-14



Hari ke-21

Lampiran 8. Perlakuan uji aktivitas luka bakar**Hari ke-1**

Kelinci 1

Kelinci 2

Kelinci 3

Kelinci 4

Kelinci 5

Hari ke-7

Kelinci 1

Kelinci 2

Kelinci 3

Kelinci 4

Kelinci 5

Hari ke-14

Kelinci 1

Kelinci 2

Kelinci 3

Kelinci 4

Kelinci 5

Lampiran 9. Hasil perhitungan

1. Rendemen buah labu air

$$\begin{aligned}\text{Persentase rendemen} &= \frac{\text{bobot kering (g)}}{\text{bobot basah (g)}} \times 100\% \\ &= \frac{680 \text{ (g)}}{1200 \text{ (g)}} \times 100\% = 5,667\%\end{aligned}$$

2. Rendemen serbuk buah labu air

$$\begin{aligned}\text{Persentase rendemen} &= \frac{\text{berat serbuk (g)}}{\text{bobot kering (g)}} \times 100\% \\ &= \frac{595 \text{ (g)}}{680 \text{ (g)}} \times 100\% = 87,5\%\end{aligned}$$

3. Rendemen ekstrak buah labu air

$$\begin{aligned}\text{Persentase rendemen} &= \frac{\text{bobot ekstrak (g)}}{\text{bobot serbuk (g)}} \times 100\% \\ &= \frac{238,7657 \text{ (g)}}{500 \text{ (g)}} \times 100\% = 47,75\%\end{aligned}$$

4. Perhitungan kadar kelembapan serbuk

Replikasi I = 9%

Replikasi II = 8%

Replikasi III = 8,5%

Rata-rata kadar kelembapan =

$$\frac{9 + 8 + 8,5}{3} \times 100\% = 8,5\%$$

5. Perhitungan kadar kelembapan ekstrak

$$\text{Replikasi I} = 4\%$$

$$\text{Replikasi II} = 5,4\%$$

$$\text{Replikasi III} = 4,5\%$$

$$\text{Rata-rata kadar kelembapan} =$$

$$\frac{4 + 5,4 + 4,5}{3} \times 100\% = 4,63\%$$

6. Perhitungan kadar air serbuk

$$\text{Kadar air I} = \frac{1,8}{20} \times 100\% = 9\%$$

$$\text{Kadar air I} = \frac{1,8}{20} \times 100\% = 9\%$$

$$\text{Kadar air III} = \frac{1,9}{20} \times 100\% = 9,5\%$$

$$\% \text{ Rata - rata kadar} = \frac{9 + 9 + 9,5}{3} \times 100\% = 9,16\%$$

7. Perhitungan kadar air ekstrak

$$\text{Persentase kadar air} = \frac{\text{volume air (ml)}}{\text{bobot awal (g)}} \times 100\%$$

$$\text{Kadar air I} = \frac{1,6}{20} \times 100\% = 8\%$$

$$\text{Kadar air II} = \frac{1,7}{20} \times 100\% = 8,5\%$$

$$\text{Kadar air III} = \frac{1,3}{20} \times 100\% = 6,5\%$$

$$\% \text{ Rata - rata kadar} = \frac{8 + 8,5 + 6,5}{3} \times 100\% = 7,67\%$$

Lampiran 10. Diameter penyembuhan luka

Kelinci	Diameter Penyembuhan Luka Bakar														
	Dosis	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	I	2	1.95	1.91	1.81	1.69	1.62	1.55	1.4	1.22	1.19	1.1	0.99	0.95	0,9
2		2	1.95	1.9	1.79	1.67	1.6	1.52	1.39	1.21	1.16	1.09	1.05	0.98	0,92
3		2	1.95	1.9	1.81	1.73	1.68	1.59	1.45	1.19	1.14	1.01	0.98	0.93	0,89
4		2	1.97	1.93	1.8	1.74	1.68	1.56	1.39	1.19	1.11	1.02	0.96	0.92	0,88
5		2	1.95	1.9	1.8	1.7	1.67	1.55	1.41	1.2	1.15	1.06	1.02	0.97	0,91
Rata-rata		2	1.954	1.908	1.802	1.706	1.65	1.554	1.408	1.202	1.15	1.056	1	0.95	0,9
1	II	2	1.94	1.88	1.88	1.72	1.61	1.57	1.4	1.2	1.02	1	0.97	0.91	0,8
2		2	1.96	1.88	1.87	1.72	1.62	1.55	1.37	1.16	1.09	1.07	0.99	0.94	0,82
3		2	1.95	1.86	1.85	1.7	1.62	1.55	1.35	1.11	1.07	1.01	0.94	0.88	0,8
4		2	1.95	1.86	1.86	1.7	1.59	1.53	1.3	1.13	0.95	0.93	0.9	0.87	0,79
5		2	1.96	1.81	1.81	1.69	1.6	1.55	1.36	1.15	0.9	0.99	0.95	0.9	0,81
Rata-rata		2	1.952	1.858	1.854	1.706	1.608	1.55	1.356	1.15	1.006	1	0.95	0.9	0,804
1	III	2	1.92	1.8	1.79	1.69	1.69	1.5	1.35	1.09	1	0.95	0.89	0.8	0,74
2		2	1.91	1.8	1.78	1.67	1.67	1.48	1.3	1.07	1.02	0.98	0.92	0.85	0,79
3		2	1.9	1.74	1.73	1.64	1.64	1.45	1.31	1.09	1.01	0.94	0.87	0.78	0,71
4		2	1.9	1.75	1.75	1.66	1.64	1.42	1.29	1.03	0.99	0.93	0.9	0.81	0,76
5		2	1.89	1.7	1.7	1.63	1.62	1.41	1.27	1.01	1	0.97	0.93	0.8	0,75
Rata-rata		2	1.904	1.758	1.75	1.658	1.652	1.452	1.304	1.058	1.004	0.954	0.902	0.808	0,75
1	IV	2	1.88	1.68	1.62	1.53	1.48	1.38	1.27	1.01	0.94	0.86	0.81	0.8	0,71
2		2	1.89	1.69	1.65	1.57	1.5 3	1.41	1.33	1.07	1	0.89	0.84	0.84	0,67
3		2	1.91	1.75	1.68	1.59	1.52	1.42	1.34	0.97	0.92	0.81	0.76	0.74	0,65
4		2	1.92	1.72	1.66	1.55	1.5	1.39	1.29	0.99	0.95	0.85	0.83	0.82	0,75
5		2	1.9	1.69	1.64	1.52	1.48	1.4	1.3	1	0.95	0.84	0.8	0.8	0,75
Rata-rata			1.9	1.706	1.65	1.552	1.502	1.4	1.306	1.008	0.952	0.85	0.808	0.8	0,706
1	V	2	1.9	1.64	1.63	1.54	1.53	1.34	1.27	1.03	0.89	0.81	0.74	0.63	0,61
2		2	1.9	1.64	1.62	1.5	1.49	1.36	1.25	1	0.91	0.81	0.77	0.64	0,63
3		2	1.9	1.6	1.6	1.51	1.5	1.4	1.22	1.01	0.9	0.79	0.74	0.58	0,58
4		2	1.93	1.59	1.58	1.5	1.5	1.34	1.28	1.04	0.92	0.82	0.76	0.56	0,55
5		2	1.87	1.57	1.57	1.49	1.48	1.33	1.27	0.96	0.9	0.81	0.77	0.63	0,63
Rata-rata		2	1.9	1.608	1.6	1.508	1.5	1.354	1.258	1.008	0.904	0.808	0.756	0.608	0,6

Lampiran 11. Persentase penyembuhan luka

Hari	Persentase penyembuhan %				
	Formula I	Formula II	Formula III	Formula IV	Formula V
1	0	0	0	0	0
2	4,94 ± 0,008	4,94 ± 0,008	9,75 ± 0,011	9,75 ± 0,015	9,75 ± 0,021
3	9,75 ± 0,013	14,44 ± 0,028	23,44 ± 0,042	27,75 ± 0,028	36,00 ± 0,031
4	19,00 ± 0,008	14,44 ± 0,027	23,44 ± 0,036	31,94 ± 0,022	36,00 ± 0,025
5	27,75 ± 0,028	27,75 ± 0,013	31,94 ± 0,023	39,94 ± 0,028	43,75 ± 0,019
6	31,93 ± 0,041	36,00 ± 0,013	31,94 ± 0,027	43,75 ± 0,022	43,75 ± 0,018
7	39,94 ± 0,025	39,94 ± 0,014	47,43 ± 0,038	51,00 ± 0,015	54,48 ± 0,027
8	51,00 ± 0,024	54,00 ± 0,036	57,75 ± 0,029	57,75 ± 0,028	60,94 ± 0,023
9	64,00 ± 0,013	66,94 ± 0,033	72,44 ± 0,036	75,00 ± 0,037	75,00 ± 0,031
10	66,94 ± 0,029	75,00 ± 0,080	75,00 ± 0,011	77,44 ± 0,029	79,75 ± 0,011
11	72,00 ± 0,040	75,00 ± 0,050	77,43 ± 0,020	81,94 ± 0,029	84,00 ± 0,010
12	75,00 ± 0,035	77,00 ± 0,033	79,75 ± 0,023	84,00 ± 0,031	85,94 ± 0,015
13	77,44 ± 0,025	79,45 ± 0,027	84,00 ± 0,025	84,00 ± 0,374	91,00 ± 0,035
14	79,75 ± 0,015	84,00 ± 0,011	85,93 ± 0,029	87,75 ± 0,045	91,00 ± 0,034

12. Lampiran perhitungan persentase penyembuhan luka

$$P_x = \frac{dx_1^2 - dx_n^2}{dx_1^2} \times 100 \%$$

Keterangan :

P_x = Persentase penyembuhan luka pada hari ke -x

dx₁ = Diameter luka bakar hari pertama (cm)

dx_n = Diameter luka bakar hari ke n (cm)

1.) Pada hari ke-2 Formula I

$$P_x = \frac{2^2 - 1,95^2}{2^2} \times 100 \%$$

$$\begin{aligned}
 &= \frac{4 - 3,8025}{4} \times 100 \% \\
 &= 4,94\%
 \end{aligned}$$

2.) Pada hari ke-2 Formula II

$$\begin{aligned}
 P_x &= \frac{2^2 - 1,95^2}{2^2} \times 100 \% \\
 &= \frac{4 - 3,8025}{4} \times 100 \% \\
 &= 4,94\%
 \end{aligned}$$

3.) Pada hari ke-2 Formula III

$$\begin{aligned}
 P_x &= \frac{2^2 - 1,90^2}{2^2} \times 100 \% \\
 &= \frac{4 - 3,61}{4} \times 100 \% \\
 &= 9,75\%
 \end{aligned}$$

4.) Pada hari ke-2 Formula IV

$$\begin{aligned}
 P_x &= \frac{2^2 - 1,90^2}{2^2} \times 100 \% \\
 &= \frac{4 - 3,61}{4} \times 100 \% \\
 &= 9,75\%
 \end{aligned}$$

5.) Pada hari ke-2 Formula V

$$\begin{aligned}
 P_x &= \frac{2^2 - 1,90^2}{2^2} \times 100 \% \\
 &= \frac{4 - 3,61}{4} \times 100 \% \\
 &= 9,75\%
 \end{aligned}$$

6.) Pada hari ke-3 Formula I

$$P_x = \frac{2^2 - 1,90^2}{2^2} \times 100 \%$$

$$= \frac{4-3,61}{4} \times 100 \%$$

$$= 9,75\%$$

7.) Pada hari ke-3 Formula II

$$P_x = \frac{2^2 - 1,85^2}{2^2} \times 100 \%$$

$$= \frac{4-3,4225}{4} \times 100 \%$$

$$= 14,44\%$$

8.) Pada hari ke-3 Formula III

$$P_x = \frac{2^2 - 1,75^2}{2^2} \times 100 \%$$

$$= \frac{4-3,0625}{4} \times 100 \%$$

$$= 23,44\%$$

9.) Pada hari ke-3 Formula IV

$$P_x = \frac{2^2 - 1,70^2}{2^2} \times 100 \%$$

$$= \frac{4-2,89}{4} \times 100 \%$$

$$= 27,75\%$$

10.) Pada hari ke-3 Formula V

$$P_x = \frac{2^2 - 1,60^2}{2^2} \times 100 \%$$

$$= \frac{4-2,56}{4} \times 100 \%$$

$$= 36\%$$

11.) Pada hari ke-4 Formula I

$$P_x = \frac{2^2 - 1,80^2}{2^2} \times 100 \%$$

$$= \frac{4 - 3,24}{4} \times 100 \%$$

$$= 19\%$$

12.) Pada hari ke-4 Formula II

$$P_x = \frac{2^2 - 1,85^2}{2^2} \times 100 \%$$

$$= \frac{4 - 3,4225}{4} \times 100 \%$$

$$= 14,44\%$$

13.) Pada hari ke-4 Formula III

$$P_x = \frac{2^2 - 1,75^2}{2^2} \times 100 \%$$

$$= \frac{4 - 3,0625}{4} \times 100 \%$$

$$= 23,44\%$$

14.) Pada hari ke-4 Formula IV

$$P_x = \frac{2^2 - 1,65^2}{2^2} \times 100 \%$$

$$= \frac{4 - 2,7225}{4} \times 100 \%$$

$$= 31,94\%$$

15.) Pada hari ke-4 Formula V

$$P_x = \frac{2^2 - 1,60^2}{2^2} \times 100 \%$$

$$= \frac{4 - 2,56}{4} \times 100 \%$$

$$= 36\%$$

16.) Pada hari ke-5 Formula I

$$P_x = \frac{2^2 - 1,70^2}{2^2} \times 100 \%$$

$$= \frac{4-2,89}{4} \times 100 \%$$

$$= 27,75\%$$

17.) Pada hari ke-5 Formula II

$$P_x = \frac{2^2 - 1,70^2}{2^2} \times 100 \%$$

$$= \frac{4-2,89}{4} \times 100 \%$$

$$= 27,75\%$$

18.) Pada hari ke-5 Formula III

$$P_x = \frac{2^2 - 1,65^2}{2^2} \times 100 \%$$

$$= \frac{4-2,7225}{4} \times 100 \%$$

$$= 31,94\%$$

19.) Pada hari ke-5 Formula IV

$$P_x = \frac{2^2 - 1,55^2}{2^2} \times 100 \%$$

$$= \frac{4-2,4025}{4} \times 100 \%$$

$$= 39,94\%$$

20.) Pada hari ke-5 Formula V

$$P_x = \frac{2^2 - 1,50^2}{2^2} \times 100 \%$$

$$= \frac{4-2,25}{4} \times 100 \%$$

$$= 43,75\%$$

21.) Pada hari ke-6 Formula I

$$P_x = \frac{2^2 - 1,65^2}{2^2} \times 100 \%$$

$$\begin{aligned}
 &= \frac{4-2,7225}{4} \times 100 \% \\
 &= 31,93\%
 \end{aligned}$$

22.) Pada hari ke-6 Formula II

$$\begin{aligned}
 P_x &= \frac{2^2 - 1,60^2}{2^2} \times 100 \% \\
 &= \frac{4-2,56}{4} \times 100 \% \\
 &= 36\%
 \end{aligned}$$

23.) Pada hari ke-6 Formula III

$$\begin{aligned}
 P_x &= \frac{2^2 - 1,65^2}{2^2} \times 100 \% \\
 &= \frac{4-2,7225}{4} \times 100 \% \\
 &= 31,94\%
 \end{aligned}$$

24.) Pada hari ke-6 Formula IV

$$\begin{aligned}
 P_x &= \frac{2^2 - 1,50^2}{2^2} \times 100 \% \\
 &= \frac{4-2,25}{4} \times 100 \% \\
 &= 43,75\%
 \end{aligned}$$

25.) Pada hari ke-6 Formula V

$$\begin{aligned}
 P_x &= \frac{2^2 - 1,5^2}{2^2} \times 100 \% \\
 &= \frac{4-2,25}{4} \times 100 \% \\
 &= 43,75\%
 \end{aligned}$$

26.) Pada hari ke-7 Formula I

$$P_x = \frac{2^2 - 1,55^2}{2^2} \times 100 \%$$

$$= \frac{4 - 2,4025}{4} \times 100 \%$$

$$= 39,94\%$$

27.) Pada hari ke-7 Formula II

$$P_x = \frac{2^2 - 1,55^2}{2^2} \times 100 \%$$

$$= \frac{4 - 2,4025}{4} \times 100 \%$$

$$= 39,94\%$$

28.) Pada hari ke-7 Formula III

$$P_x = \frac{2^2 - 1,45^2}{2^2} \times 100 \%$$

$$= \frac{4 - 2,1025}{4} \times 100 \%$$

$$= 47,43\%$$

29.) Pada hari ke-7 Formula IV

$$P_x = \frac{2^2 - 1,40^2}{2^2} \times 100 \%$$

$$= \frac{4 - 1,96}{4} \times 100 \%$$

$$= 51\%$$

30.) Pada hari ke-7 Formula V

$$P_x = \frac{2^2 - 1,35^2}{2^2} \times 100 \%$$

$$= \frac{4 - 1,8225}{4} \times 100 \%$$

$$= 54,48\%$$

31.) Pada hari ke-8 Formula I

$$P_x = \frac{2^2 - 1,40^2}{2^2} \times 100 \%$$

$$= \frac{4 - 2,4025}{4} \times 100 \%$$

$$= 51\%$$

32.) Pada hari ke-8 Formula II

$$P_x = \frac{2^2 - 1,35^2}{2^2} \times 100 \%$$

$$= \frac{4 - 2,4025}{4} \times 100 \%$$

$$= 54\%$$

33.) Pada hari ke-8 Formula III

$$P_x = \frac{2^2 - 1,30^2}{2^2} \times 100 \%$$

$$= \frac{4 - 2,4025}{4} \times 100 \%$$

$$= 57,75\%$$

34.) Pada hari ke-8 Formula IV

$$P_x = \frac{2^2 - 1,30^2}{2^2} \times 100 \%$$

$$= \frac{4 - 2,4025}{4} \times 100 \%$$

$$= 57,75\%$$

35.) Pada hari ke-8 Formula V

$$P_x = \frac{2^2 - 1,25^2}{2^2} \times 100 \%$$

$$= \frac{4 - 2,4025}{4} \times 100 \%$$

$$= 60,94\%$$

36.) Pada hari ke-9 Formula I

$$P_x = \frac{2^2 - 1,20^2}{2^2} \times 100 \%$$

$$= \frac{4-1,44}{4} \times 100 \%$$

$$= 64\%$$

37.) Pada hari ke-9 Formula II

$$P_x = \frac{2^2 - 1,15^2}{2^2} \times 100 \%$$

$$= \frac{4-1,3225}{4} \times 100 \%$$

$$= 66,94\%$$

38.) Pada hari ke-9 Formula III

$$P_x = \frac{2^2 - 1,05^2}{2^2} \times 100 \%$$

$$= \frac{4-1,1025}{4} \times 100 \%$$

$$= 72,44\%$$

39.) Pada hari ke-9 Formula IV

$$P_x = \frac{2^2 - 1,00^2}{2^2} \times 100 \%$$

$$= \frac{4-1}{4} \times 100 \%$$

$$= 75\%$$

40.) Pada hari ke-9 Formula V

$$P_x = \frac{2^2 - 1,00^2}{2^2} \times 100 \%$$

$$= \frac{4-1}{4} \times 100 \%$$

$$= 75\%$$

41.) Pada hari ke-10 Formula I

$$P_x = \frac{2^2 - 1,15^2}{2^2} \times 100 \%$$

$$= \frac{4 - 1,3225}{4} \times 100 \%$$

$$= 66,94\%$$

42.) Pada hari ke-10 Formula II

$$P_x = \frac{2^2 - 1,00^2}{2^2} \times 100 \%$$

$$= \frac{4 - 1}{4} \times 100 \%$$

$$= 75\%$$

43.) Pada hari ke-10 Formula III

$$P_x = \frac{2^2 - 1,00^2}{2^2} \times 100 \%$$

$$= \frac{4 - 1}{4} \times 100 \%$$

$$= 75\%$$

44.) Pada hari ke-10 Formula IV

$$P_x = \frac{2^2 - 0,95^2}{2^2} \times 100 \%$$

$$= \frac{4 - 0,9025}{4} \times 100 \%$$

$$= 77,44\%$$

45.) Pada hari ke-10 Formula V

$$P_x = \frac{2^2 - 0,90^2}{2^2} \times 100 \%$$

$$= \frac{4 - 0,81}{4} \times 100 \%$$

$$= 79,75\%$$

46.) Pada hari ke-11 Formula I

$$P_x = \frac{2^2 - 1,05^2}{2^2} \times 100 \%$$

$$= \frac{4-1,1025}{4} \times 100 \%$$

$$= 72\%$$

47.) Pada hari ke-11 Formula II

$$P_x = \frac{2^2 - 1^2}{2^2} \times 100 \%$$

$$= \frac{4-1}{4} \times 100 \%$$

$$= 75\%$$

48.) Pada hari ke-11 Formula III

$$P_x = \frac{2^2 - 0,95^2}{2^2} \times 100 \%$$

$$= \frac{4-0,9025}{4} \times 100 \%$$

$$= 77,43\%$$

49.) Pada hari ke-11 Formula IV

$$P_x = \frac{2^2 - 0,85^2}{2^2} \times 100 \%$$

$$= \frac{4-0,7225}{4} \times 100 \%$$

$$= 81,94\%$$

50.) Pada hari ke-11 Formula V

$$P_x = \frac{2^2 - 0,80^2}{2^2} \times 100 \%$$

$$= \frac{4-0,64}{4} \times 100 \%$$

$$= 84\%$$

51.) Pada hari ke-12 Formula I

$$P_x = \frac{2^2 - 1^2}{2^2} \times 100 \%$$

$$= \frac{4-1}{4} \times 100 \%$$

$$= 75\%$$

52.) Pada hari ke-12 Formula II

$$P_x = \frac{2^2 - 0,95^2}{2^2} \times 100 \%$$

$$= \frac{4 - 0,9025}{4} \times 100 \%$$

$$= 77\%$$

53.) Pada hari ke-12 Formula III

$$P_x = \frac{2^2 - 0,90^2}{2^2} \times 100 \%$$

$$= \frac{4 - 0,81}{4} \times 100 \%$$

$$= 79,75\%$$

54.) Pada hari ke-12 Formula IV

$$P_x = \frac{2^2 - 0,80^2}{2^2} \times 100 \%$$

$$= \frac{4 - 0,64}{4} \times 100 \%$$

$$= 84\%$$

55.) Pada hari ke-12 Formula V

$$P_x = \frac{2^2 - 0,75^2}{2^2} \times 100 \%$$

$$= \frac{4 - 0,5625}{4} \times 100 \%$$

$$= 85,94\%$$

56.) Pada hari ke-13 Formula I

$$P_x = \frac{2^2 - 0,95^2}{2^2} \times 100 \%$$

$$\begin{aligned}
 &= \frac{4 - 0,9025}{4} \times 100 \% \\
 &= 77,44\%
 \end{aligned}$$

57.) Pada hari ke-13 Formula II

$$\begin{aligned}
 P_x &= \frac{2^2 - 0,9^2}{2^2} \times 100 \% \\
 &= \frac{4 - 0,81}{4} \times 100 \% \\
 &= 79,45\%
 \end{aligned}$$

58.) Pada hari ke-13 Formula III

$$\begin{aligned}
 P_x &= \frac{2^2 - 0,80^2}{2^2} \times 100 \% \\
 &= \frac{4 - 0,64}{4} \times 100 \% \\
 &= 84\%
 \end{aligned}$$

59.) Pada hari ke-13 Formula IV

$$\begin{aligned}
 P_x &= \frac{2^2 - 0,8^2}{2^2} \times 100 \% \\
 &= \frac{4 - 0,64}{4} \times 100 \% \\
 &= 84\%
 \end{aligned}$$

60.) Pada hari ke-13 Formula V

$$\begin{aligned}
 P_x &= \frac{2^2 - 0,60^2}{2^2} \times 100 \% \\
 &= \frac{4 - 0,36}{4} \times 100 \% \\
 &= 91\%
 \end{aligned}$$

61.) Pada hari ke-14 Formula I

$$P_x = \frac{2^2 - 0,90^2}{2^2} \times 100 \%$$

$$= \frac{4 - 0,81}{4} \times 100 \%$$

$$= 79,75\%$$

62.) Pada hari ke-14 Formula II

$$P_x = \frac{2^2 - 0,80^2}{2^2} \times 100 \%$$

$$= \frac{4 - 0,64}{4} \times 100 \%$$

$$= 84\%$$

63.) Pada hari ke-14 Formula III

$$P_x = \frac{2^2 - 0,75^2}{2^2} \times 100 \%$$

$$= \frac{4 - 0,5625}{4} \times 100 \%$$

$$= 85,93\%$$

64.) Pada hari ke-14 Formula IV

$$P_x = \frac{2^2 - 0,70^2}{2^2} \times 100 \%$$

$$= \frac{4 - 0,49}{4} \times 100 \%$$

$$= 87,75\%$$

65.) Pada hari ke-14 Formula V

$$P_x = \frac{2^2 - 0,60^2}{2^2} \times 100 \%$$

$$= \frac{4 - 0,36}{4} \times 100 \%$$

$$= 91\%$$

Lampiran 12. Hasil uji statistik

1. Uji mutu fisik

a. Daya lekat

One-Sample Kolmogorov-Smirnov Test

		Hari	Formula
N		48	48
Normal Parameters ^{a,b}	Mean	2,50	2,50
	Std. Deviation	1,130	1,130
	Absolute	,171	,171
Most Extreme Differences	Positive	,171	,171
	Negative	-,171	-,171
Kolmogorov-Smirnov Z		1,184	1,184
Asymp. Sig. (2-tailed)		,121	,121

Between-Subjects Factors

		Value Label	N
Formula	1	tanpa ekstrak	12
	2	konsentrasi 7%	12
	3	konsentrasi 12%	12
	4	konsentrasi 17%	12
Hari	1	hari ke-1	12
	2	hari ke-7	12
	3	hari ke-14	12
	4	hari ke-21	12

a. Test distribution is Normal.

b. Calculated from data.

Descriptive Statistics

Dependent Variable: Daya_lekat

Formula	Hari	Mean	Std. Deviation	N
tanpa ekstrak	hari ke-1	6,8767	,03055	3
	hari ke-7	6,4900	,01732	3
	hari ke-14	6,3767	,01528	3
	hari ke-21	5,7167	,02082	3
	Total	6,3650	,43667	12
konsentrasi 7%	hari ke-1	6,6133	,00577	3
	hari ke-7	6,3733	,02517	3
	hari ke-14	6,2700	,02000	3
	hari ke-21	5,4100	,03606	3
	Total	6,1667	,47492	12

konsentrasi 12%	hari ke-1	6,5167	,01528	3
	hari ke-7	6,2667	,02082	3
	hari ke-14	6,0167	,02887	3
	hari ke-21	5,0633	,03215	3
	Total	5,9658	,57510	12
konsentrasi 17%	hari ke-1	6,3733	,02082	3
	hari ke-7	6,2433	,02517	3
	hari ke-14	5,8833	,06110	3
	hari ke-21	4,7167	,07506	3
	Total	5,8042	,68345	12
Total	hari ke-1	6,5950	,19261	12
	hari ke-7	6,3433	,10395	12
	hari ke-14	6,1367	,20720	12
	hari ke-21	5,2267	,39292	12
	Total	6,0754	,57405	48

**Levene's Test of Equality of Error
Variances^a**

Dependent Variable: Daya_lekat

F	df1	df2	Sig.
1,784	15	32	,083

Tests of Between-Subjects Effects

Dependent Variable: Daya_lekat

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	15,454 ^a	15	1,030	956,504	,000
Intercept	1771,713	1	1771,713	1644917,300	,000
Formula	2,133	3	,711	660,191	,000
Hari	12,790	3	4,263	3958,373	,000
Formula * Hari	,530	9	,059	54,653	,000
Error	,034	32	,001		
Total	1787,201	48			
Corrected Total	15,488	47			

a. R Squared = ,998 (Adjusted R Squared = ,997)

Multiple Comparisons

Dependent Variable: Daya_lekat

Tukey HSD

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
tanpa ekstrak	konsentrasi 7%	,1983*	,01340	,000	,1620	,2346
	konsentrasi 12%	,3992*	,01340	,000	,3629	,4355

konsentrasi 7%	konsentrasi 17%	,5608*	,01340	,000	,5245	,5971
	tanpa ekstrak	-,1983*	,01340	,000	-,2346	-,1620
	konsentrasi 12%	,2008*	,01340	,000	,1645	,2371
	konsentrasi 17%	,3625*	,01340	,000	,3262	,3988
konsentrasi 12%	tanpa ekstrak	-,3992*	,01340	,000	-,4355	-,3629
	konsentrasi 7%	-,2008*	,01340	,000	-,2371	-,1645
	konsentrasi 17%	,1617*	,01340	,000	,1254	,1980
	tanpa ekstrak	-,5608*	,01340	,000	-,5971	-,5245
konsentrasi 17%	konsentrasi 7%	-,3625*	,01340	,000	-,3988	-,3262
	konsentrasi 12%	-,1617*	,01340	,000	-,1980	-,1254

Based on observed means.

The error term is Mean Square(Error) = ,001.

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

Daya_lekat

Tukey HSD^{a,b}

Formula	N	Subset			
		1	2	3	4
konsentrasi 17%	12	5,8042	5,9658	6,1667	6,3650
konsentrasi 12%	12				
konsentrasi 7%	12				
tanpa ekstrak	12				
Sig.		1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,001.

a. Uses Harmonic Mean Sample Size = 12,000.

b. Alpha = ,05.

Multiple Comparisons

Dependent Variable: Daya_lekat

Tukey HSD

(I) Hari	(J) Hari	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
hari ke-1	hari ke-7	,2517*	,01340	,000	,2154	,2880
	hari ke-14	,4583*	,01340	,000	,4220	,4946
	hari ke-21	1,3683*	,01340	,000	1,3320	1,4046
hari ke-7	hari ke-1	-,2517*	,01340	,000	-,2880	-,2154
	hari ke-14	,2067*	,01340	,000	,1704	,2430
	hari ke-21	1,1167*	,01340	,000	1,0804	1,1530
hari ke-14	hari ke-1	-,4583*	,01340	,000	-,4946	-,4220

	hari ke-7	-,2067*	,01340	,000	-,2430	-,1704
	hari ke-21	,9100*	,01340	,000	,8737	,9463
	hari ke-1	-1,3683*	,01340	,000	-1,4046	-1,3320
hari ke-21	hari ke-7	-1,1167*	,01340	,000	-1,1530	-1,0804
	hari ke-14	-,9100*	,01340	,000	-,9463	-,8737

Based on observed means.

The error term is Mean Square(Error) = ,001.

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

Daya_lekat

Tukey HSD^{a,b}

Hari	N	Subset			
		1	2	3	4
hari ke-21	12	5,2267			
hari ke-14	12		6,1367		
hari ke-7	12			6,3433	
hari ke-1	12				6,5950
Sig.		1,000	1,000	1,000	1,000

b. Uji daya sebar

One-Sample Kolmogorov-Smirnov Test

			Daya_sebar
N			192
Normal Parameters ^{a,b}	Mean		6.0018
	Std. Deviation		.53369
	Absolute		.060
Most Extreme Differences	Positive		.050
	Negative		-.060
Kolmogorov-Smirnov Z			.830
Asymp. Sig. (2-tailed)			.496

a. Test distribution is Normal.

b. Calculated from data.

Between-Subjects Factors

	Value Label	N
Hari	1 hari ke-1	48
	2 hari ke-7	48
	3 hari ke-14	48
	4 hari ke-21	48
Formula	1 tanpa ekstrak	48
	2 konsentrasi 7%	48
	3 konsentrasi 12%	48
	4 konsentrasi 17%	48
Beban	1 tanpa beban	48

2	beban 50 g	48
3	beban 100 g	48
4	beban 150 g	48

Multiple Comparisons

Dependent Variable: Daya_sebar

Tukey HSD

(I) Hari	(J) Hari	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
hari ke-1	hari ke-7	-.1313*	.00972	.000	-.1565	-.1060
	hari ke-14	-.9271*	.00972	.000	-.9524	-.9018
	hari ke-21	-.8948*	.00972	.000	-.9201	-.8695
hari ke-7	hari ke-1	.1313*	.00972	.000	.1060	.1565
	hari ke-14	-.7958*	.00972	.000	-.8211	-.7705
	hari ke-21	-.7635*	.00972	.000	-.7888	-.7382
hari ke-14	hari ke-1	.9271*	.00972	.000	.9018	.9524
	hari ke-7	.7958*	.00972	.000	.7705	.8211
	hari ke-21	.0323*	.00972	.006	.0070	.0576
hari ke-21	hari ke-1	.8948*	.00972	.000	.8695	.9201
	hari ke-7	.7635*	.00972	.000	.7382	.7888
	hari ke-14	-.0323*	.00972	.006	-.0576	-.0070

Based on observed means.

The error term is Mean Square(Error) = ,002.

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

Daya_sebar

Tukey HSD^{a,b}

Hari	N	Subset			
		1	2	3	4
hari ke-1	48	5.5135	5.6448	6.4083	6.4406
hari ke-7	48				
hari ke-21	48				
hari ke-14	48				
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,002.

a. Uses Harmonic Mean Sample Size = 48,000.

b. Alpha = ,05.

Multiple Comparisons

Dependent Variable: Daya_sebar

Tukey HSD

(I) Formula	(J) Formula	Mean Difference	Std. Error	Sig.	95% Confidence Interval
-------------	-------------	-----------------	------------	------	-------------------------

		(I-J)			Lower Bound	Upper Bound
tanpa ekstrak	konsentrasi 7%	-.2510*	.00972	.000	-.2763	-.2257
	konsentrasi 12%	-.5438*	.00972	.000	-.5690	-.5185
	konsentrasi 17%	-.6917*	.00972	.000	-.7170	-.6664
konsentrasi 7%	tanpa ekstrak	.2510*	.00972	.000	.2257	.2763
	konsentrasi 12%	-.2927*	.00972	.000	-.3180	-.2674
	konsentrasi 17%	-.4406*	.00972	.000	-.4659	-.4153
konsentrasi 12%	tanpa ekstrak	.5438*	.00972	.000	.5185	.5690
	konsentrasi 7%	.2927*	.00972	.000	.2674	.3180
	konsentrasi 17%	-.1479*	.00972	.000	-.1732	-.1226
konsentrasi 17%	tanpa ekstrak	.6917*	.00972	.000	.6664	.7170
	konsentrasi 7%	.4406*	.00972	.000	.4153	.4659
	konsentrasi 12%	.1479*	.00972	.000	.1226	.1732

Based on observed means.

The error term is Mean Square(Error) = ,002.

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

Daya_sebar

Tukey HSD^{a,b}

Formula	N	Subset			
		1	2	3	4
tanpa ekstrak	48	5.6302	5.8813	6.1740	6.3219
konsentrasi 7%	48				
konsentrasi 12%	48				
konsentrasi 17%	48				
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,002.

a. Uses Harmonic Mean Sample Size = 48,000.

b. Alpha = ,05.

Multiple Comparisons

Dependent Variable: Daya_sebar

Tukey HSD

(I) Beban	(J) Beban	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
tanpa beban	beban 50 g	-.1333*	.00972	.000	-.1586	-.1080
	beban 100 g	-.2490*	.00972	.000	-.2743	-.2237
	beban 150 g	-.3792*	.00972	.000	-.4045	-.3539
beban 50 g	tanpa beban	.1333*	.00972	.000	.1080	.1586
	beban 100 g	-.1156*	.00972	.000	-.1409	-.0903
	beban 150 g	-.2458*	.00972	.000	-.2711	-.2205
beban 100 g	tanpa beban	.2490*	.00972	.000	.2237	.2743
	beban 50 g	.1156*	.00972	.000	.0903	.1409
	beban 150 g	-.1302*	.00972	.000	-.1555	-.1049
beban 150 g	tanpa beban	.3792*	.00972	.000	.3539	.4045
	beban 50 g	.2458*	.00972	.000	.2205	.2711
	beban 100 g	.1302*	.00972	.000	.1049	.1555

Based on observed means.

The error term is Mean Square(Error) = ,002.

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

Daya_sebar

Tukey HSD^{a,b}

Beban	N	Subset			
		1	2	3	4
tanpa beban	48	5.8115			
beban 50 g	48		5.9448		
beban 100 g	48			6.0604	
beban 150 g	48				6.1906
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,002.

a. Uses Harmonic Mean Sample Size = 48,000.

b. Alpha = ,05.

c. Uji viskositas

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
Formula	48	2,50	1,130	1	4
Viskositas	48	313,90	40,384	218	390
Hari	48	2,00	,825	1	3

One-Sample Kolmogorov-Smirnov Test

	Formula	Viskositas	Hari
--	---------	------------	------

N		48	48	48
Normal Parameters ^{a,b}	Mean	2,50	313,90	2,00
	Std. Deviation	1,130	40,384	,825
	Absolute	,171	,072	,221
Most Extreme Differences	Positive	,171	,072	,221
	Negative	-,171	-,064	-,221
Kolmogorov-Smirnov Z		1,184	,502	1,528
Asymp. Sig. (2-tailed)		,121	,963	,019

a. Test distribution is Normal.

b. Calculated from data.

Between-Subjects Factors

	Value Label	N
Hari	1 hari ke-1	12
	2 hari ke-7	12
	3 hari ke-14	12
	4 hari ke-21	12
Formula	1 tanpa ekstrak	12
	2 konsentrasi 7%	12
	3 konsentrasi 12%	12
	4 konsentrasi 17%	12

Levene's Test of Equality of Error Variances^a

Dependent Variable: Viskositas

F	df1	df2	Sig.
1,946	15	32	,056

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

a. Design: Intercept + Hari + Formula + Hari * Formula

Multiple Comparisons

Dependent Variable: Viskositas

Tukey HSD

(I) Hari	(J) Hari	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
hari ke-1	hari ke-7	11,92*	3,316	,006	2,93	20,90
	hari ke-14	26,75*	3,316	,000	17,77	35,73
	hari ke-21	46,42*	3,316	,000	37,43	55,40
hari ke-7	hari ke-1	-11,92*	3,316	,006	-20,90	-2,93
	hari ke-14	14,83*	3,316	,001	5,85	23,82
	hari ke-21	34,50*	3,316	,000	25,52	43,48
hari ke-14	hari ke-1	-26,75*	3,316	,000	-35,73	-17,77
	hari ke-7	-14,83*	3,316	,001	-23,82	-5,85
	hari ke-21	19,67*	3,316	,000	10,68	28,65
hari ke-21	hari ke-1	-46,42*	3,316	,000	-55,40	-37,43
	hari ke-7	-34,50*	3,316	,000	-43,48	-25,52
	hari ke-14	-19,67*	3,316	,000	-28,65	-10,68

Based on observed means.

The error term is Mean Square(Error) = 65,979.

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

Viskositas

Tukey HSD^{a,b}

Hari	N	Subset			
		1	2	3	4
hari ke-21	12	288,75			
hari ke-14	12		308,42		
hari ke-7	12			323,25	
hari ke-1	12				335,17
Sig.		1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 65,979.

a. Uses Harmonic Mean Sample Size = 12,000.

b. Alpha = ,05.

Multiple comparrison

(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
tanpa ekstrak	konsentrasi 7%	43,00*	3,316	,000	34,02	51,98
	konsentrasi 12%	68,33*	3,316	,000	59,35	77,32
	konsentrasi 17%	95,42*	3,316	,000	86,43	104,40
	tanpa ekstrak	-43,00*	3,316	,000	-51,98	-34,02
konsentrasi 7%	konsentrasi 12%	25,33*	3,316	,000	16,35	34,32
	konsentrasi 17%	52,42*	3,316	,000	43,43	61,40
	tanpa ekstrak	-68,33*	3,316	,000	-77,32	-59,35
konsentrasi 12%	konsentrasi 7%	-25,33*	3,316	,000	-34,32	-16,35
	konsentrasi 17%	27,08*	3,316	,000	18,10	36,07
	tanpa ekstrak	-95,42*	3,316	,000	-104,40	-86,43
konsentrasi 17%	konsentrasi 7%	-52,42*	3,316	,000	-61,40	-43,43
	konsentrasi 12%	-27,08*	3,316	,000	-36,07	-18,10

Based on observed means.

The error term is Mean Square(Error) = 65,979.

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

Viskositas

Tukey HSD^{a,b}

Formula	N	Subset
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		1	2	3	4
konsentrasi 17%	12	270,17			
konsentrasi 12%	12		297,25		
konsentrasi 7%	12			322,58	
tanpa ekstrak	12				365,58
Sig.		1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 65,979.

a. Uses Harmonic Mean Sample Size = 12,000.

b. Alpha = ,05.

d. Uji Ph

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
pH	48	5,7158	,47956	4,78	6,50
Formula	48	2,50	1,130	1	4

One-Sample Kolmogorov-Smirnov Test

		pH	Formula
N		48	48
Normal Parameters ^{a,b}	Mean	5,7158	2,50
	Std. Deviation	,47956	1,130
	Absolute	,162	,171
Most Extreme Differences	Positive	,084	,171
	Negative	-,162	-,171
Kolmogorov-Smirnov Z		1,120	1,184
Asymp. Sig. (2-tailed)		,162	,121

a. Test distribution is Normal.

b. Calculated from data.

Between-Subjects Factors

	Value Label	N
Formula	1 tanpa ekstrak	12
	2 konsentrasi 7%	12
	3 konsentrasi 14%	12
	4 konsentrasi 17%	12
Haril	1 hari ke-1	12
	2 hari ke-7	12
	3 hari ke-14	12
	4 hari ke-21	12

Descriptive Statistics

Dependent Variable: pH

Formula	Hari	Mean	Std. Deviation	N
tanpa ekstrak	hari ke-1	6,4767	,02517	3
	hari ke-7	6,1533	,04726	3
	hari ke-14	5,8633	,01155	3
	hari ke-21	5,2500	,02000	3
	Total	5,9358	,47224	12
konsentrasi 7%	hari ke-1	6,2800	,01000	3
	hari ke-7	5,9300	,02000	3
	hari ke-14	5,7833	,02517	3
	hari ke-21	5,0767	,03512	3
	Total	5,7675	,45770	12
konsentrasi 14%	hari ke-1	6,1400	,03606	3
	hari ke-7	5,8600	,01732	3
	hari ke-14	5,5867	,02517	3
	hari ke-21	4,9633	,01528	3
	Total	5,6375	,45549	12
konsentrasi 17%	hari ke-1	6,0267	,03215	3
	hari ke-7	5,8033	,00577	3
	hari ke-14	5,4733	,02082	3
	hari ke-21	4,7867	,01155	3
	Total	5,5225	,48934	12
Total	hari ke-1	6,2308	,17697	12
	hari ke-7	5,9367	,14073	12
	hari ke-14	5,6767	,16256	12
	hari ke-21	5,0192	,17717	12
	Total	5,7158	,47956	48

Levene's Test of Equality of Error Variances^a

Dependent Variable: pH

F	df1	df2	Sig.
1,617	15	32	,124

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

a. Design: Intercept + Formula + Hari + Formula

* Hari

Multiple Comparisons

Dependent Variable: pH

	(I) Formula	(J) Formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tukey HSD	tanpa ekstrak	konsentrasi 7%	,1683*	,01014	,000	,1409	,1958

Dependent Variable: pH

	(I) Haril	(J) Haril	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tukey HSD	hari ke-1	hari ke-7	,2942*	,01014	,000	,2667	,3216
		hari ke-14	,5542*	,01014	,000	,5267	,5816
		hari ke-21	1,2117*	,01014	,000	1,1842	1,2391
	hari ke-7	hari ke-1	-,2942*	,01014	,000	-,3216	-,2667
		hari ke-14	,2600*	,01014	,000	,2325	,2875
		hari ke-21	,9175*	,01014	,000	,8900	,9450
	hari ke-14	hari ke-1	-,5542*	,01014	,000	-,5816	-,5267
		hari ke-7	-,2600*	,01014	,000	-,2875	-,2325
		hari ke-21	,6575*	,01014	,000	,6300	,6850
	hari ke-21	hari ke-1	-1,2117*	,01014	,000	-1,2391	-1,1842
		hari ke-7	-,9175*	,01014	,000	-,9450	-,8900
		hari ke-14	-,6575*	,01014	,000	-,6850	-,6300

Based on observed means.

The error term is Mean Square(Error) = ,001.

pH

	Haril	N	Subset			
			1	2	3	4
Student-Newman-Keuls ^{a,b}	hari ke-21	12	5,0192			
	hari ke-14	12		5,6767		
	hari ke-7	12			5,9367	
	hari ke-1	12				6,2308
	Sig.		1,000	1,000	1,000	1,000
Tukey HSD ^{a,b}	hari ke-21	12	5,0192			
	hari ke-14	12		5,6767		
	hari ke-7	12			5,9367	
	hari ke-1	12				6,2308
	Sig.		1,000	1,000	1,000	1,000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,001.

a. Uses Harmonic Mean Sample Size = 12,000.

b. Alpha = ,05.

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

2. Uji Aktivitas Luka**One-Sample Kolmogorov-Smirnov Test**

		Unstandardized Predicted Value
N		70
Normal Parameters ^{a,b}	Mean	.0000000

	Std.	.40117485
	Deviation	
	Absolute	.060
Most Extreme Differences	Positive	.060
	Negative	-.054
Kolmogorov-Smirnov Z		.501
Asymp. Sig. (2-tailed)		.963

a. Test distribution is Normal.

Estimated Marginal Means

Descriptive Statistics

Dependent Variable: % kesemuhan

hari	formula	Mean	Std. Deviation	N
hari 1	f1	,0000	.	1
	f2	,0000	.	1
	f3	,0000	.	1
	f4	,0000	.	1
	f5	,0000	.	1
	Total	,0000	,00000	5
hari 2	f1	4,9380	.	1
	f2	4,9380	.	1
	f3	9,7500	.	1
	f4	9,7500	.	1
	f5	9,7500	.	1
	Total	7,8252	2,63564	5
hari 3	f1	9,7500	.	1
	f2	14,4380	.	1
	f3	23,4380	.	1
	f4	27,7500	.	1
	f5	36,0000	.	1
	Total	22,2752	10,46420	5
hari 4	f1	19,0000	.	1
	f2	14,4380	.	1
	f3	23,4380	.	1
	f4	31,9380	.	1
	f5	36,0000	.	1
	Total	24,9628	8,93203	5
hari 5	f1	27,7500	.	1
	f2	27,7500	.	1
	f3	31,9380	.	1
	f4	39,9380	.	1
	f5	43,7500	.	1
	Total	34,2252	7,28776	5
hari 6	f1	31,9380	.	1
	f2	36,0000	.	1
	f3	31,9380	.	1
	f4	43,7500	.	1
	f5	43,7500	.	1
	Total	37,4752	5,96330	5
hari 7	f1	39,9380	.	1
	f2	39,9380	.	1

	f3	47,4380	.	1
	f4	51,0000	.	1
	f5	54,4380	.	1
	Total	46,5504	6,52397	5
	f1	51,0000	.	1
hari 8	f2	54,4380	.	1
	f3	57,7500	.	1
	f4	57,7500	.	1
	f5	60,9380	.	1
	Total	56,3752	3,78302	5
hari 9	f1	64,0000	.	1
	f2	66,9380	.	1
	f3	72,4380	.	1
	f4	75,0000	.	1
	f5	75,0000	.	1
hari 10	Total	70,6752	4,97595	5
	f1	66,9380	.	1
	f2	75,0000	.	1
	f3	75,0000	.	1
	f4	77,4380	.	1
hari 11	f5	79,7500	.	1
	Total	74,8252	4,83087	5
	f1	72,4380	.	1
	f2	75,0000	.	1
	f3	77,4380	.	1
hari 12	f4	81,9380	.	1
	f5	84,0000	.	1
	Total	78,1628	4,78610	5
	f1	75,0000	.	1
	f2	77,4380	.	1
hari 13	f3	79,7500	.	1
	f4	84,0000	.	1
	f5	85,9380	.	1
	Total	80,4252	4,52720	5
	f1	77,4380	.	1
hari 14	f2	79,7500	.	1
	f3	84,0000	.	1
	f4	84,0000	.	1
	f5	91,0000	.	1
	Total	83,2376	5,17726	5
Total	f1	79,7500	.	1
	f2	84,0000	.	1
	f3	85,9380	.	1
	f4	87,7500	.	1
	f5	91,0000	.	1
	Total	85,6876	4,20241	5
	f1	44,2770	28,85763	14
	f2	46,4333	30,41331	14
	f3	50,0181	29,69608	14
	f4	53,7144	29,20026	14

f5	56,5224	29,68234	14
Total	50,1931	29,06153	70

Tests of Between-Subjects Effects

Dependent Variable: % kesembuhan

Source	Type III Sum of Squares	Df	Mean Square
Corrected Model	57787,327 ^a	17	3399,255
Intercept	176354,009	1	176354,009
Hari	56364,546	13	4335,734
Formula	1422,781	4	355,695
Error	488,167	52	9,388
Total	234629,502	70	
Corrected Total	58275,493	69	

a. R Squared = ,992 (Adjusted R Squared = ,989)

b. Calculated from data.

Estimated Marginal Means

1. hari

Dependent Variable: % kesembuhan

hari	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
hari 1	1,054E-013	1,370	-2,750	2,750
hari 2	7,825	1,370	5,076	10,575
hari 3	22,275	1,370	19,526	25,025
hari 4	24,963	1,370	22,213	27,712
hari 5	34,225	1,370	31,476	36,975
hari 6	37,475	1,370	34,726	40,225
hari 7	46,550	1,370	43,801	49,300
hari 8	56,375	1,370	53,626	59,125
hari 9	70,675	1,370	67,926	73,425
hari 10	74,825	1,370	72,076	77,575
hari 11	78,163	1,370	75,413	80,912
hari 12	80,425	1,370	77,676	83,175
hari 13	83,238	1,370	80,488	85,987
hari 14	85,688	1,370	82,938	88,437

2. formula

Dependent Variable: % kesembuhan

Formula	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
f1	44,277	,819	42,634	45,920
f2	46,433	,819	44,790	48,076
f3	50,018	,819	48,375	51,661
f4	53,714	,819	52,071	55,358
f5	56,522	,819	54,879	58,166

Post Hoc Tests

1. Hari

Multiple Comparisons

Dependent Variable: % kesembuhan

Tukey HSD

(I) hari	(J) hari	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
hari 1	hari 2	-7,8252*	1,93782	,012	-14,6398	-1,0106
	hari 3	-22,2752*	1,93782	,000	-29,0898	-15,4606
	hari 4	-24,9628*	1,93782	,000	-31,7774	-18,1482
	hari 5	-34,2252*	1,93782	,000	-41,0398	-27,4106
	hari 6	-37,4752*	1,93782	,000	-44,2898	-30,6606
	hari 7	-46,5504*	1,93782	,000	-53,3650	-39,7358
	hari 8	-56,3752*	1,93782	,000	-63,1898	-49,5606
	hari 9	-70,6752*	1,93782	,000	-77,4898	-63,8606
	hari 10	-74,8252*	1,93782	,000	-81,6398	-68,0106
	hari 11	-78,1628*	1,93782	,000	-84,9774	-71,3482
	hari 12	-80,4252*	1,93782	,000	-87,2398	-73,6106
	hari 13	-83,2376*	1,93782	,000	-90,0522	-76,4230
	hari 14	-85,6876*	1,93782	,000	-92,5022	-78,8730
	hari 1	7,8252*	1,93782	,012	1,0106	14,6398
hari 2	hari 3	-14,4500*	1,93782	,000	-21,2646	-7,6354
	hari 4	-17,1376*	1,93782	,000	-23,9522	-10,3230
	hari 5	-26,4000*	1,93782	,000	-33,2146	-19,5854
	hari 6	-29,6500*	1,93782	,000	-36,4646	-22,8354
	hari 7	-38,7252*	1,93782	,000	-45,5398	-31,9106
	hari 8	-48,5500*	1,93782	,000	-55,3646	-41,7354
	hari 9	-62,8500*	1,93782	,000	-69,6646	-56,0354
	hari 10	-67,0000*	1,93782	,000	-73,8146	-60,1854
	hari 11	-70,3376*	1,93782	,000	-77,1522	-63,5230
	hari 12	-72,6000*	1,93782	,000	-79,4146	-65,7854
	hari 13	-75,4124*	1,93782	,000	-82,2270	-68,5978
	hari 14	-77,8624*	1,93782	,000	-84,6770	-71,0478
	hari 1	22,2752*	1,93782	,000	15,4606	29,0898
hari 3	hari 1	22,2752*	1,93782	,000	15,4606	29,0898

hari 4	hari 2	14,4500*	1,93782	,000	7,6354	21,2646
	hari 4	-2,6876	1,93782	,979	-9,5022	4,1270
	hari 5	-11,9500*	1,93782	,000	-18,7646	-5,1354
	hari 6	-15,2000*	1,93782	,000	-22,0146	-8,3854
	hari 7	-24,2752*	1,93782	,000	-31,0898	-17,4606
	hari 8	-34,1000*	1,93782	,000	-40,9146	-27,2854
	hari 9	-48,4000*	1,93782	,000	-55,2146	-41,5854
	hari 10	-52,5500*	1,93782	,000	-59,3646	-45,7354
	hari 11	-55,8876*	1,93782	,000	-62,7022	-49,0730
	hari 12	-58,1500*	1,93782	,000	-64,9646	-51,3354
	hari 13	-60,9624*	1,93782	,000	-67,7770	-54,1478
	hari 14	-63,4124*	1,93782	,000	-70,2270	-56,5978
	hari 1	24,9628*	1,93782	,000	18,1482	31,7774
	hari 2	17,1376*	1,93782	,000	10,3230	23,9522
	hari 3	2,6876	1,93782	,979	-4,1270	9,5022
	hari 5	-9,2624*	1,93782	,001	-16,0770	-2,4478
	hari 6	-12,5124*	1,93782	,000	-19,3270	-5,6978
	hari 7	-21,5876*	1,93782	,000	-28,4022	-14,7730
	hari 8	-31,4124*	1,93782	,000	-38,2270	-24,5978
	hari 9	-45,7124*	1,93782	,000	-52,5270	-38,8978
	hari 10	-49,8624*	1,93782	,000	-56,6770	-43,0478
	hari 11	-53,2000*	1,93782	,000	-60,0146	-46,3854
	hari 12	-55,4624*	1,93782	,000	-62,2770	-48,6478
	hari 13	-58,2748*	1,93782	,000	-65,0894	-51,4602
	hari 14	-60,7248*	1,93782	,000	-67,5394	-53,9102
	hari 1	34,2252*	1,93782	,000	27,4106	41,0398
	hari 2	26,4000*	1,93782	,000	19,5854	33,2146
	hari 3	11,9500*	1,93782	,000	5,1354	18,7646
	hari 4	9,2624*	1,93782	,001	2,4478	16,0770
hari 5	hari 6	-3,2500	1,93782	,915	-10,0646	3,5646
	hari 7	-12,3252*	1,93782	,000	-19,1398	-5,5106
	hari 8	-22,1500*	1,93782	,000	-28,9646	-15,3354
	hari 9	-36,4500*	1,93782	,000	-43,2646	-29,6354
	hari 10	-40,6000*	1,93782	,000	-47,4146	-33,7854
	hari 11	-43,9376*	1,93782	,000	-50,7522	-37,1230
	hari 12	-46,2000*	1,93782	,000	-53,0146	-39,3854
	hari 13	-49,0124*	1,93782	,000	-55,8270	-42,1978
	hari 14	-51,4624*	1,93782	,000	-58,2770	-44,6478
	hari 1	37,4752*	1,93782	,000	30,6606	44,2898
	hari 2	29,6500*	1,93782	,000	22,8354	36,4646
	hari 3	15,2000*	1,93782	,000	8,3854	22,0146
hari 6	hari 4	12,5124*	1,93782	,000	5,6978	19,3270
	hari 5	3,2500	1,93782	,915	-3,5646	10,0646
	hari 7	-9,0752*	1,93782	,002	-15,8898	-2,2606
	hari 8	-18,9000*	1,93782	,000	-25,7146	-12,0854
	hari 9	-33,2000*	1,93782	,000	-40,0146	-26,3854
	hari 10	-37,3500*	1,93782	,000	-44,1646	-30,5354
	hari 11	-40,6876*	1,93782	,000	-47,5022	-33,8730
	hari 12	-42,9500*	1,93782	,000	-49,7646	-36,1354
	hari 13	-45,7624*	1,93782	,000	-52,5770	-38,9478
	hari 14	-48,2124*	1,93782	,000	-55,0270	-41,3978

hari 7	hari 1	46,5504*	1,93782	,000	39,7358	53,3650
	hari 2	38,7252*	1,93782	,000	31,9106	45,5398
	hari 3	24,2752*	1,93782	,000	17,4606	31,0898
	hari 4	21,5876*	1,93782	,000	14,7730	28,4022
	hari 5	12,3252*	1,93782	,000	5,5106	19,1398
	hari 6	9,0752*	1,93782	,002	2,2606	15,8898
	hari 8	-9,8248*	1,93782	,000	-16,6394	-3,0102
	hari 9	-24,1248*	1,93782	,000	-30,9394	-17,3102
	hari 10	-28,2748*	1,93782	,000	-35,0894	-21,4602
	hari 11	-31,6124*	1,93782	,000	-38,4270	-24,7978
	hari 12	-33,8748*	1,93782	,000	-40,6894	-27,0602
	hari 13	-36,6872*	1,93782	,000	-43,5018	-29,8726
	hari 14	-39,1372*	1,93782	,000	-45,9518	-32,3226
	hari 1	56,3752*	1,93782	,000	49,5606	63,1898
hari 8	hari 2	48,5500*	1,93782	,000	41,7354	55,3646
	hari 3	34,1000*	1,93782	,000	27,2854	40,9146
	hari 4	31,4124*	1,93782	,000	24,5978	38,2270
	hari 5	22,1500*	1,93782	,000	15,3354	28,9646
	hari 6	18,9000*	1,93782	,000	12,0854	25,7146
	hari 7	9,8248*	1,93782	,000	3,0102	16,6394
	hari 9	-14,3000*	1,93782	,000	-21,1146	-7,4854
	hari 10	-18,4500*	1,93782	,000	-25,2646	-11,6354
	hari 11	-21,7876*	1,93782	,000	-28,6022	-14,9730
	hari 12	-24,0500*	1,93782	,000	-30,8646	-17,2354
	hari 13	-26,8624*	1,93782	,000	-33,6770	-20,0478
	hari 14	-29,3124*	1,93782	,000	-36,1270	-22,4978
	hari 1	70,6752*	1,93782	,000	63,8606	77,4898
	hari 2	62,8500*	1,93782	,000	56,0354	69,6646
hari 9	hari 3	48,4000*	1,93782	,000	41,5854	55,2146
	hari 4	45,7124*	1,93782	,000	38,8978	52,5270
	hari 5	36,4500*	1,93782	,000	29,6354	43,2646
	hari 6	33,2000*	1,93782	,000	26,3854	40,0146
	hari 7	24,1248*	1,93782	,000	17,3102	30,9394
	hari 8	14,3000*	1,93782	,000	7,4854	21,1146
	hari 10	-4,1500	1,93782	,670	-10,9646	2,6646
	hari 11	-7,4876*	1,93782	,019	-14,3022	-,6730
	hari 12	-9,7500*	1,93782	,000	-16,5646	-2,9354
	hari 13	-12,5624*	1,93782	,000	-19,3770	-5,7478
	hari 14	-15,0124*	1,93782	,000	-21,8270	-8,1978
	hari 1	74,8252*	1,93782	,000	68,0106	81,6398
	hari 2	67,0000*	1,93782	,000	60,1854	73,8146
	hari 3	52,5500*	1,93782	,000	45,7354	59,3646
hari 10	hari 4	49,8624*	1,93782	,000	43,0478	56,6770
	hari 5	40,6000*	1,93782	,000	33,7854	47,4146
	hari 6	37,3500*	1,93782	,000	30,5354	44,1646
	hari 7	28,2748*	1,93782	,000	21,4602	35,0894
	hari 8	18,4500*	1,93782	,000	11,6354	25,2646
	hari 9	4,1500	1,93782	,670	-2,6646	10,9646
	hari 11	-3,3376	1,93782	,898	-10,1522	3,4770
	hari 12	-5,6000	1,93782	,215	-12,4146	1,2146
	hari 13	-8,4124*	1,93782	,005	-15,2270	-1,5978

hari 11	hari 14	-10,8624*	1,93782	,000	-17,6770	-4,0478
	hari 1	78,1628*	1,93782	,000	71,3482	84,9774
	hari 2	70,3376*	1,93782	,000	63,5230	77,1522
	hari 3	55,8876*	1,93782	,000	49,0730	62,7022
	hari 4	53,2000*	1,93782	,000	46,3854	60,0146
	hari 5	43,9376*	1,93782	,000	37,1230	50,7522
	hari 6	40,6876*	1,93782	,000	33,8730	47,5022
	hari 7	31,6124*	1,93782	,000	24,7978	38,4270
	hari 8	21,7876*	1,93782	,000	14,9730	28,6022
	hari 9	7,4876*	1,93782	,019	,6730	14,3022
	hari 10	3,3376	1,93782	,898	-3,4770	10,1522
	hari 12	-2,2624	1,93782	,996	-9,0770	4,5522
	hari 13	-5,0748	1,93782	,354	-11,8894	1,7398
	hari 14	-7,5248*	1,93782	,018	-14,3394	-,7102
hari 12	hari 1	80,4252*	1,93782	,000	73,6106	87,2398
	hari 2	72,6000*	1,93782	,000	65,7854	79,4146
	hari 3	58,1500*	1,93782	,000	51,3354	64,9646
	hari 4	55,4624*	1,93782	,000	48,6478	62,2770
	hari 5	46,2000*	1,93782	,000	39,3854	53,0146
	hari 6	42,9500*	1,93782	,000	36,1354	49,7646
	hari 7	33,8748*	1,93782	,000	27,0602	40,6894
	hari 8	24,0500*	1,93782	,000	17,2354	30,8646
	hari 9	9,7500*	1,93782	,000	2,9354	16,5646
	hari 10	5,6000	1,93782	,215	-1,2146	12,4146
	hari 11	2,2624	1,93782	,996	-4,5522	9,0770
	hari 13	-2,8124	1,93782	,970	-9,6270	4,0022
	hari 14	-5,2624	1,93782	,300	-12,0770	1,5522
	hari 1	83,2376*	1,93782	,000	76,4230	90,0522
hari 13	hari 2	75,4124*	1,93782	,000	68,5978	82,2270
	hari 3	60,9624*	1,93782	,000	54,1478	67,7770
	hari 4	58,2748*	1,93782	,000	51,4602	65,0894
	hari 5	49,0124*	1,93782	,000	42,1978	55,8270
	hari 6	45,7624*	1,93782	,000	38,9478	52,5770
	hari 7	36,6872*	1,93782	,000	29,8726	43,5018
	hari 8	26,8624*	1,93782	,000	20,0478	33,6770
	hari 9	12,5624*	1,93782	,000	5,7478	19,3770
	hari 10	8,4124*	1,93782	,005	1,5978	15,2270
	hari 11	5,0748	1,93782	,354	-1,7398	11,8894
	hari 12	2,8124	1,93782	,970	-4,0022	9,6270
	hari 14	-2,4500	1,93782	,991	-9,2646	4,3646
	hari 1	85,6876*	1,93782	,000	78,8730	92,5022
	hari 2	77,8624*	1,93782	,000	71,0478	84,6770
hari 14	hari 3	63,4124*	1,93782	,000	56,5978	70,2270
	hari 4	60,7248*	1,93782	,000	53,9102	67,5394
	hari 5	51,4624*	1,93782	,000	44,6478	58,2770
	hari 6	48,2124*	1,93782	,000	41,3978	55,0270
	hari 7	39,1372*	1,93782	,000	32,3226	45,9518
	hari 8	29,3124*	1,93782	,000	22,4978	36,1270
	hari 9	15,0124*	1,93782	,000	8,1978	21,8270

hari 10	10,8624*	1,93782	,000	4,0478	17,6770
hari 11	7,5248*	1,93782	,018	,7102	14,3394
hari 12	5,2624	1,93782	,300	-1,5522	12,0770
hari 13	2,4500	1,93782	,991	-4,3646	9,2646

Based on observed means.

The error term is Mean Square(Error) = 9.388.

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

Homogeneous subset

% kesembuhan

Tukey HSD^{a,b}

Hari	N	Subset									
		1	2	3	4	5	6	7	8	9	10
hari 1	5	,0000	7,8252	22,2752 24,9628	34,2252 37,4752	46,5504	56,3752	70,6752 74,8252	74,8252 78,1628 80,4252	78,1628 80,4252 83,2376	80,4252 83,2376 85,6876 ,300
hari 2	5										
hari 3	5										
hari 4	5										
hari 5	5										
hari 6	5										
hari 7	5										
hari 8	5										
hari 9	5										
hari 10	5										
hari 11	5										
hari 12	5										
hari 13	5										
hari 14	5										
Sig.		1,000	1,000	,979	,915	1,000	1,000	,670	,215	,354	,300

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 9.388.

a. Uses Harmonic Mean Sample Size = 5.000.

b. Alpha = ,05.

2. Formula

Multiple Comparisons

Dependent Variable: % kesembuhan

Tukey HSD

(I) formula	(J) formula	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
f1	f2	-2,1563	1,15807	,350	-5,4287	1,1162
	f3	-5,7411*	1,15807	,000	-9,0136	-2,4687
	f4	-9,4374*	1,15807	,000	-12,7099	-6,1650

f2	f5	-12,2454*	1,15807	,000	-	-8,9730
	f1	2,1563	1,15807	,350	15,5179	5,4287
	f3	-3,5849*	1,15807	,025	-1,1162	-,3124
	f4	-7,2811*	1,15807	,000	-6,8573	-4,0087
	f5	-10,0891*	1,15807	,000	-	-6,8167
f3	f1	5,7411*	1,15807	,000	10,5536	9,0136
	f2	3,5849*	1,15807	,025	13,3616	6,8573
	f4	-3,6963*	1,15807	,019	,3124	-,4238
	f5	-6,5043*	1,15807	,000	-6,9687	-3,2318
	f1	9,4374*	1,15807	,000	-9,7767	12,7099
f4	f2	7,2811*	1,15807	,000	6,1650	10,5536
	f3	3,6963*	1,15807	,019	4,0087	6,9687
	f5	-2,8080	1,15807	,125	,4238	,4645
	f1	12,2454*	1,15807	,000	-6,0805	15,5179
	f2	10,0891*	1,15807	,000	8,9730	13,3616
f5	f3	6,5043*	1,15807	,000	6,8167	9,7767
	f4	2,8080	1,15807	,125	3,2318	6,0805
					-,4645	

Based on observed means.

The error term is Mean Square(Error) = 9,388.

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

Homogenous Subset

% kesembuhan

Tukey HSD^{a,b}

Formula	N	Subset		
		1	2	3
f1	14	44,2770	50,0181	53,7144
f2	14	46,4333		
f3	14			
f4	14			
f5	14			56,5224
Sig.		,350	1,000	,125

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 9,388.

a. Uses Harmonic Mean Sample Size = 14,000.

b. Alpha = ,05.