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Lampiran 1. Hasil determinasi



KEMENTERIAN KESEHATAN REPUBLIK INDONESIA
BADAN PENELITIAN DAN PENGEMBANGAN KESEHATAN
 BALAI BESAR PENELITIAN DAN PENGEMBANGAN
 TANAMAN OBAT DAN OBAT TRADISIONAL
 Jalan Lawu No.11 Tawamangu, Karanganyar, Jawa Tengah 57792
 Telepon (0271) 697 010 Faksimile (0271) 697 451
 Laman b2p2toot.litbang.kemkes.go.id Surat Elektronik b2p2toot@litbang.kemkes.go.id

Nomor : KM.04.02/2/2520/2021 04 November 2021
 Lampiran : -
 Hal : Keterangan Determinasi

Yth. Dekan Fakultas Farmasi Universitas Setia Budi
 Jalan Letjend. Sutoyo Solo 57127

Merujuk surat Saudara nomor: 459/H6-04/3.09.2021 tanggal 3 September 2021 hal permohonan determinasi, dengan ini kami sampaikan bahwa hasil determinasi sampel tanaman sebagai berikut:

Nama Pemohon : Melinda Eka Sari
 Nama Sampel : Dlingo
 Sampel : Segar
 Spesies : *Acorus calamus* L.
 Sinonim : *Acorus angustatus* Raf.; *Acorus flexuosus* Raf.
 Familia : *Acoraceae*
 Penanggung Jawab : Nur Rahmawati Wijaya, S.Si.

Hasil determinasi tersebut hanya mencakup sampel tanaman yang telah dikirimkan ke B2P2TOOT.

Atas perhatian Saudara, kami sampaikan terima kasih.

Kepala Balai Besar Penelitian
 dan Pengembangan Tanaman Obat
 dan Obat Tradisional
 Tawangmangu,



Akhmad Saikhu, S.K.M.,
M.Sc.PH.
 NIP 196805251992031004

Tembusan :

-

Lampiran 2. Tanaman Dlingo dan Perkolasi



Daun dlingo



Serbuk daun dlingo



Uji kadar lembab serbuk



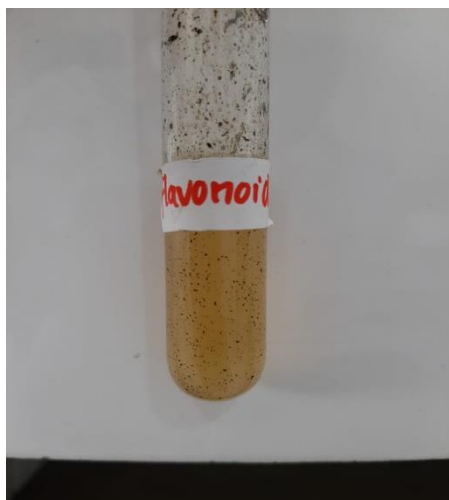
Perkolasi



Pemekatan (Rotary evaporator)



Ekstrak daun dlingo

Lampiran 3. Identifikasi kandungan tanaman dan uji bebas etanol

Uji flavonoid



Uji saponin



Uji tanin

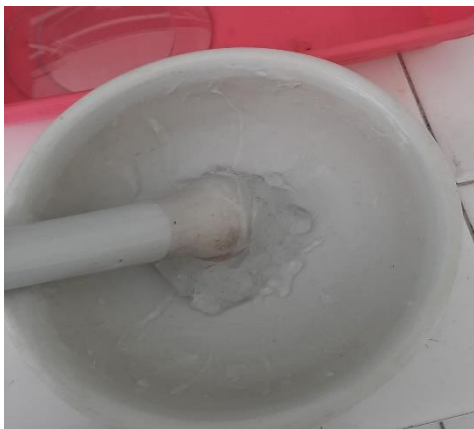


Uji alkaloid



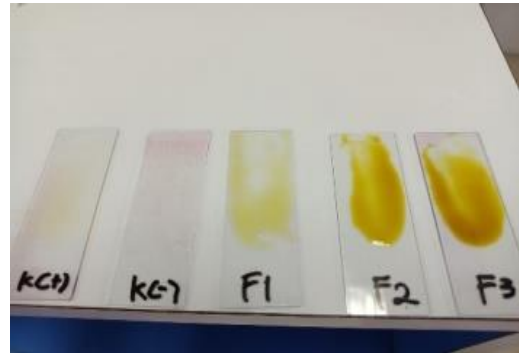
Uji bebas etanol

Lampiran 4. Hasil pembuatan sabun cair ekstrak daun dlingo



Lampiran 5. Gambar hasil dan alat uji sediaan sabun cair cuci tangan

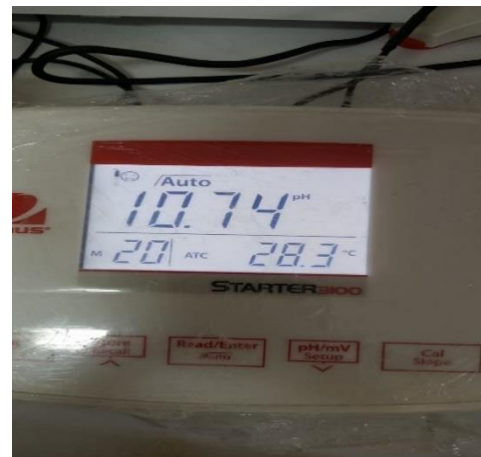
Uji bobot jenis



Uji homogenitas



Uji viskositas



Uji pH



Uji stabilitas

Lampiran 6. Alat uji identifikasi bakteri



Auto clave



Inkubator

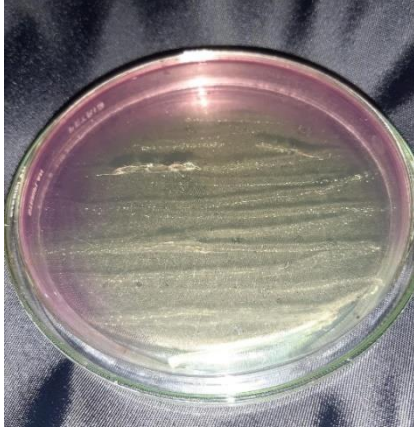


Lemari es

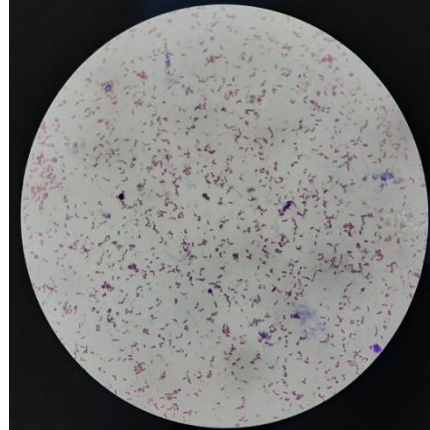


Laminar Air Flow

Lampiran 7. Gambar Identifikasi Bakteri *Staphylococcus aureus* ATCC 25923



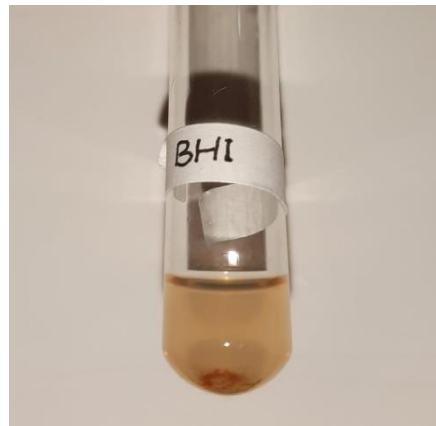
Hasil isolasi dengan media MSA



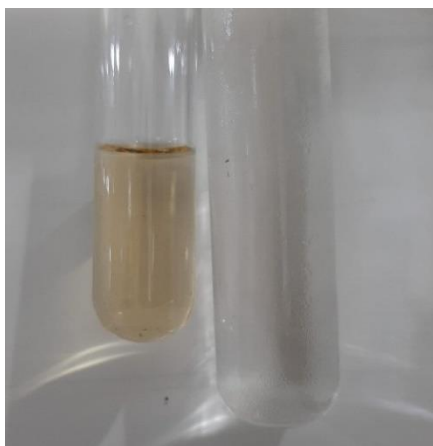
Identifikasi pewarnaan secara Gram



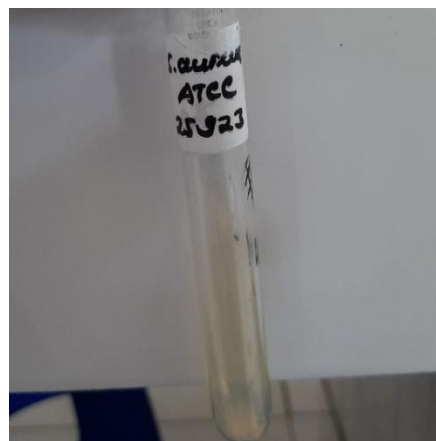
Uji secara katalase



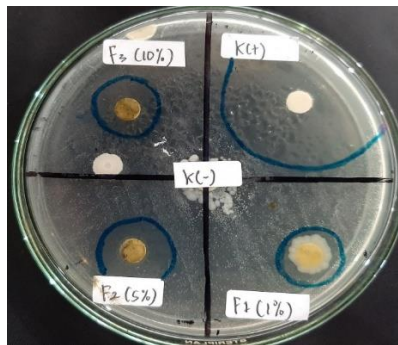
Uji secara koagulase



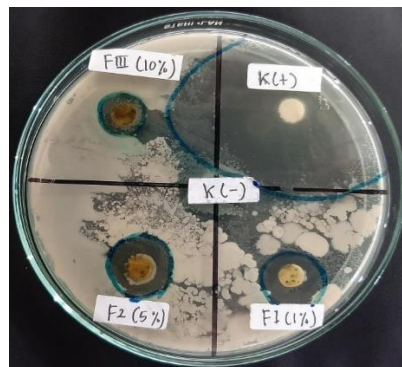
Suspensi biakan bakteri



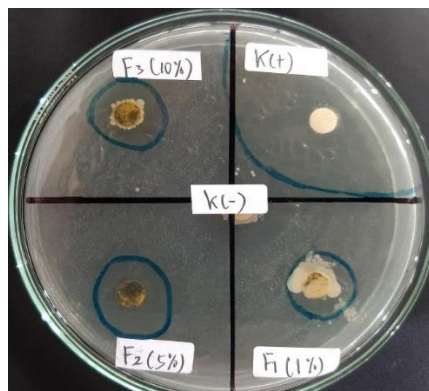
Biakan murni bakteri

Lampiran 8. Gambar orientasi ekstrak daun dlingo dengan pelarut dmsO

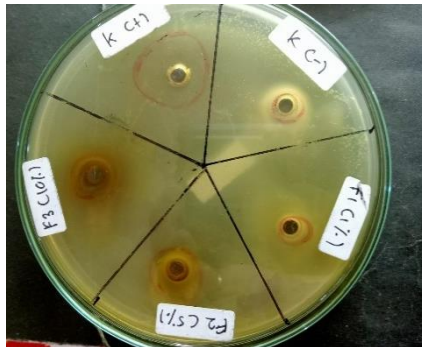
Replikasi 1



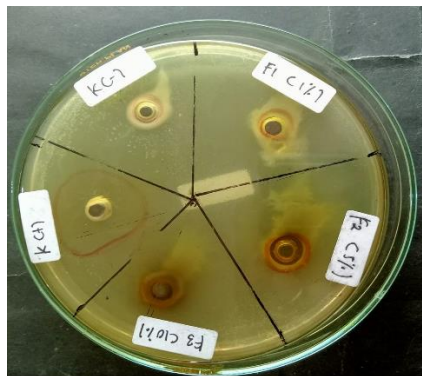
Replikasi 2



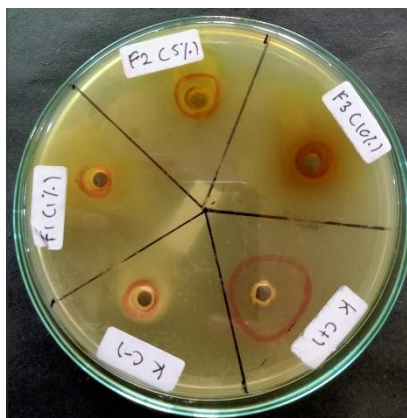
Replikasi 3

Lampiran 9. Gambar uji aktivitas antibakteri sediaan sabun cair cuci tangan

Replikasi 1



Replikasi 2



Replikasi 3

Lampiran 10. Perhitungan rendemen

Bahan awal (g)	Simplisia kering (g)	Rendemen (%)
22.100	4.000	18,18%

$$\begin{aligned}
 \text{Rendemen simplisia kering} &= \frac{\text{Bobot kering (gram)}}{\text{Bobot basah (gram)}} \times 100\% \\
 &= \frac{4000}{22100} \times 100\% \\
 &= 18,18\%
 \end{aligned}$$

Simplisia kering (g)	Berat serbuk (g)	Rendemen (%)
4000	2100	52,5%

$$\begin{aligned}
 \text{Rendemen berat serbuk} &= \frac{\text{Bobot serbuk (gram)}}{\text{Bobot kering (gram)}} \times 100\% \\
 &= \frac{2100}{4000} \times 100\% \\
 &= 52,5\%
 \end{aligned}$$

Serbuk daun dlingo (g)	Ekstrak kental (g)	Rendemen (%)
2100	406	19,33%

$$\begin{aligned}
 \text{Rendemen ekstrak kental} &= \frac{\text{Bobot ekstrak (gram)}}{\text{Bobot serbuk (gram)}} \times 100\% \\
 &= \frac{406}{2100} \times 100\% \\
 &= 19,33\%
 \end{aligned}$$

Lampiran 11. Perhitungan

Susut pengeringan serbuk

Replikasi	Berat serbuk (g)	Susut pengeringan (%)
1	2,0	9,5
2	2,0	9,4
3	2,0	9,5
Rata-rata ± SD		9,47

$$\text{Rata-rata susut pengeringan} = \frac{9,5+9,4+9,5}{3} = 9,47\%$$

Kadar air serbuk

Replikasi	Berat serbuk (g)	Volume air (mL)	Kadar air (%b/v)
1	20	1,2	6
2	20	1,3	6,5
3	20	1,5	7,5
Rata-rata			6,6

$$\text{Kadar air serbuk} = \frac{\text{volume air (mL)}}{\text{Berat serbuk}} \times 100\%$$

$$\text{Replikasi 1} = \frac{1,2 \text{ mL}}{20 \text{ g}} \times 100\% = 6\%$$

$$\text{Replikasi 2} = \frac{1,3 \text{ mL}}{20 \text{ g}} \times 100\% = 6,5\%$$

$$\text{Replikasi 3} = \frac{1,5 \text{ mL}}{20 \text{ g}} \times 100\% = 7,5\%$$

$$\text{Rata-rata kadar air serbuk} = \frac{6+6,5+7,5}{3} = 6,6\%$$

Replikasi	Berat ekstrak awal (g)	Berat ekstrak akhir (g)	Kadar air (%b/v)
1	10,383	9,521	8,30
2	10,167	9,292	8,60
3	10,410	9,542	8,33
	Rata-rata		8,41

Kadar air ekstrak (Gravimetri)

$$\text{Kadar air ekstrak} = \frac{\text{Berat sebelum pengeringan} - \text{berat setelah pengeringan (g)}}{\text{Berat sebelum pengeringan (g)}} \times 100\%$$

$$\text{Replikasi 1} = \frac{10,383 - 9,521 \text{ (g)}}{10,383 \text{ (g)}} \times 100\% = 8,30\%$$

$$\text{Replikasi 2} = \frac{10,167 - 9,292 \text{ (g)}}{10,167} \times 100\% = 8,60\%$$

$$\text{Replikasi 3} = \frac{10,410 - 9,542 \text{ (g)}}{10,410} \times 100\% = 8,33\%$$

$$\text{Rata-rata kadar air ekstrak} = \frac{8,30 + 8,60 + 8,33}{3} = 8,41\%$$

Lampiran 12. Perhitungan bobot jenis

Rumus bobot jenis: $\frac{\text{Berat piknometer sediaan}-\text{berat piknometer kosong}}{\text{Berat piknometer aquadest}-\text{berat piknometer kosong}}$

Replikasi 1: $\frac{76,4391-26,0412}{75,8324-26,0412}=1,0121 \text{ gr}$

Replikasi 2: $\frac{78,6254-28,2619}{77,3412-28,2619}=1,0261 \text{ gr}$

Replikasi 3: $\frac{83,5401-30,1912}{82,2195-30,1921}=1,0253 \text{ gr}$

Lampiran 12. Hasil analisis Zona Hambat ekstrak daun dlingo

Tests of Normality

	Kelompok Pengujian	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Zona Hambat	F1	,175	3	.	1,000	3	1,000
	F2	,175	3	.	1,000	3	1,000
	F3	,175	3	.	1,000	3	1,000
	K (+)	,253	3	.	,964	3	,637

Test of Homogeneity of Variances

Zona hambat ekstrak

Levene Statistic	df1	df2	Sig.
1,600	4	10	,249

ANOVA

Zona hambat ekstrak

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3574,267	4	893,567	837,719	,000
Within Groups	10,667	10	1,067		
Total	3584,933	14			

Zona hambat ekstrak

Tukey HSD^a

Kelompok pengujian	N	Subset for alpha = 0.05			
		1	2	3	4
K (-)	3				
F3	3	,00	16,00		
F1	3		17,00	17,00	
F2	3			19,00	
K (+)	3				47,67
Sig.		1,000	,759	,200	1,000

Multiple Comparisons

Dependent Variable: Zona hambat ekstrak
Tukey HSD

(I) Kelompok pengujian	(J) Kelompok pengujian	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
K (-)	F1	-17,000*	,843	,000	-19,78	-14,22
	F2	-19,000*	,843	,000	-21,78	-16,22
	F3	-16,000*	,843	,000	-18,78	-13,22
	K (+)	-47,667*	,843	,000	-50,44	-44,89
F1	K (-)	17,000*	,843	,000	14,22	19,78
	F2	-2,000	,843	,200	-4,78	,78
	F3	1,000	,843	,759	-1,78	3,78
	K (+)	-30,667*	,843	,000	-33,44	-27,89
F2	K (-)	19,000*	,843	,000	16,22	21,78
	F1	2,000	,843	,200	-,78	4,78
	F3	3,000*	,843	,033	,22	5,78
	K (+)	-28,667*	,843	,000	-31,44	-25,89
F3	K (-)	16,000*	,843	,000	13,22	18,78
	F1	-1,000	,843	,759	-3,78	1,78
	F2	-3,000*	,843	,033	-5,78	-,22
	K (+)	-31,667*	,843	,000	-34,44	-28,89
K (+)	K (-)	47,667*	,843	,000	44,89	50,44
	F1	30,667*	,843	,000	27,89	33,44
	F2	28,667*	,843	,000	25,89	31,44
	F3	31,667*	,843	,000	28,89	34,44

Lampiran 13. Hasil analisis data mutu fisik pH

Tests of Normality

	UjipH	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
KelompokPengujian	K (-)	,191	3	.	,997	3	,900
	F1	,285	3	.	,932	3	,497
	F2	,253	3	.	,964	3	,637
	F3	,383	3	.	,755	3	,011
	K(+)	,289	3	.	,927	3	,476

Test of Homogeneity of Variances

Kelompok Pengujian

Levene Statistic	df1	df2	Sig.
4,071	4	15	,020

ANOVA

Kelompok Pengujian

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	10,734	4	2,684	10,874	,000
Within Groups	3,702	15	,247		
Total	14,436	19			

KelompokPengujian

Tukey HSD^a

UjipH	N	Subset for alpha = 0.05			
		1	2	3	4
K (-)	3	7,1767			
F1	3	7,7133	7,7133		
K(+)	3		8,3367	8,3367	
F2	3			9,1867	9,1867
F3	3				9,7233
Sig.		,565	,432	,184	,565

Multiple Comparisons

Dependent Variable: KelompokPengujian

Tukey HSD

(I) UjipH	(J) UjipH	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
K (-)	F1	-,53667	,34962	,565	-1,6873	,6140
	F2	-2,01000*	,34962	,001	-3,1606	-,8594
	F3	-2,54667*	,34962	,000	-3,6973	-1,3960
	K(+)	-1,16000*	,34962	,048	-2,3106	-,0094
F1	K (-)	,53667	,34962	,565	-,6140	1,6873
	F2	-1,47333*	,34962	,012	-2,6240	-,3227
	F3	-2,01000*	,34962	,001	-3,1606	-,8594
	K(+)	-,62333	,34962	,432	-1,7740	,5273
F2	K (-)	2,01000*	,34962	,001	,8594	3,1606
	F1	1,47333*	,34962	,012	,3227	2,6240
	F3	-,53667	,34962	,565	-1,6873	,6140
	K(+)	,85000	,34962	,184	-,3006	2,0006
F3	K (-)	2,54667*	,34962	,000	1,3960	3,6973
	F1	2,01000*	,34962	,001	,8594	3,1606
	F2	,53667	,34962	,565	-,6140	1,6873
	K(+)	1,38667*	,34962	,018	,2360	2,5373
K(+)	K (-)	1,16000*	,34962	,048	,0094	2,3106
	F1	,62333	,34962	,432	-,5273	1,7740
	F2	-,85000	,34962	,184	-2,0006	,3006
	F3	-1,38667*	,34962	,018	-2,5373	-,2360

*. The mean difference is significant at the 0.05 level.

Lampiran 13. Hasil analisis data mutu fisik viskositas

Tests of Normality

	kelompokPengujian	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
UjiViskositas	K (-)	,219	3	.	,987	3	,780
	F1	,175	3	.	1,000	3	1,000
	F2	,253	3	.	,964	3	,637
	F3	,204	3	.	,993	3	,843
	K (+)	,276	3	.	,942	3	,537

Test of Homogeneity of Variances

UjiViskositas

Levene Statistic	df1	df2	Sig.
,152	4	10	,958

ANOVA

UjiViskositas

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	35,049	4	8,762	87,623	,000
Within Groups	1,000	10	,100		
Total	36,049	14			

UjiViskositas

Tukey HSD^a

kelompokPengujian	N	Subset for alpha = 0.05			
		1	2	3	4
K (-)	3	5,267			
F1	3		7,500		
F2	3		8,333	8,333	
F3	3			8,533	
K (+)	3				9,900
Sig.		1,000	,055	,932	1,000

Multiple Comparisons

Dependent Variable: UjiViskositas
Tukey HSD

(I) kelompokPengujia n	(J) kelompokPengujia n	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
K (-)	F1	-2,2333*	,2582	,000	-3,083	-1,384
	F2	-3,0667*	,2582	,000	-3,916	-2,217
	F3	-3,2667*	,2582	,000	-4,116	-2,417
	K (+)	-4,6333*	,2582	,000	-5,483	-3,784
F1	K (-)	2,2333*	,2582	,000	1,384	3,083
	F2	-,8333	,2582	,055	-1,683	,016
	F3	-1,0333*	,2582	,017	-1,883	-,184
	K (+)	-2,4000*	,2582	,000	-3,250	-1,550
F2	K (-)	3,0667*	,2582	,000	2,217	3,916
	F1	,8333	,2582	,055	-,016	1,683
	F3	-,2000	,2582	,932	-1,050	,650
	K (+)	-1,5667*	,2582	,001	-2,416	-,717
F3	K (-)	3,2667*	,2582	,000	2,417	4,116
	F1	1,0333*	,2582	,017	,184	1,883
	F2	,2000	,2582	,932	-,650	1,050
	K (+)	-1,3667*	,2582	,003	-2,216	-,517
K (+)	K (-)	4,6333*	,2582	,000	3,784	5,483
	F1	2,4000*	,2582	,000	1,550	3,250
	F2	1,5667*	,2582	,001	,717	2,416
	F3	1,3667*	,2582	,003	,517	2,216

*. The mean difference is significant at the 0.05 level.

Lampiran 14. Hasil analisis data mutu fisik berat jenis

Tests of Normality							
	UjiBeratJenis	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
KelompokPengujian	K (-)	,325	3	.	,875	3	,309
	F1	,196	3	.	,996	3	,878
	F2	,309	3	.	,900	3	,385
	F3	,348	3	.	,834	3	,197
	K(+)	,373	3	.	,780	3	,068

Test of Homogeneity of Variances

KelompokPengujian

Levene Statistic	df1	df2	Sig.
2,864	4	10	,081

ANOVA

KelompokPengujian

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,002	4	,000	15,531	,000
Within Groups	,000	10	,000		
Total	,002	14			

KelompokPengujian

Tukey HSD^a

UjiBeratJenis	N	Subset for alpha = 0.05		
		1	2	3
K (-)	3	1,017067		
F1	3	1,023900	1,023900	
F2	3		1,031267	
F3	3		1,033267	
K(+)	3			1,047767
Sig.		,500	,232	1,000

Multiple Comparisons

Dependent Variable: KelompokPengujian

Tukey HSD

(I) UjiBeratJenis	(J) UjiBeratJenis	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
K (-)	F1	-,0068333	,0041317	,500	-,020431	,006764
	F2	-,0142000*	,0041317	,040	-,027798	-,000602
	F3	-,0162000*	,0041317	,019	-,029798	-,002602
	K(+)	-,0307000*	,0041317	,000	-,044298	-,017102
F1	K (-)	,0068333	,0041317	,500	-,006764	,020431
	F2	-,0073667	,0041317	,432	-,020964	,006231
	F3	-,0093667	,0041317	,232	-,022964	,004231
	K(+)	-,0238667*	,0041317	,001	-,037464	-,010269
F2	K (-)	,0142000*	,0041317	,040	,000602	,027798
	F1	,0073667	,0041317	,432	-,006231	,020964
	F3	-,0020000	,0041317	,987	-,015598	,011598
	K(+)	-,0165000*	,0041317	,017	-,030098	-,002902
F3	K (-)	,0162000*	,0041317	,019	,002602	,029798
	F1	,0093667	,0041317	,232	-,004231	,022964
	F2	,0020000	,0041317	,987	-,011598	,015598
	K(+)	-,0145000*	,0041317	,036	-,028098	-,000902
K(+)	K (-)	,0307000*	,0041317	,000	,017102	,044298
	F1	,0238667*	,0041317	,001	,010269	,037464
	F2	,0165000*	,0041317	,017	,002902	,030098
	F3	,0145000*	,0041317	,036	,000902	,028098

Lampiran 15. Hasil analisis data tinggi busa

Tests of Normality

	Uji Tinggi busa	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Kelompok Pengujian	K (-)	,292	3	.	,923	3	,463
	F1	,175	3	.	1,000	3	1,000
	F2	,196	3	.	,996	3	,878
	F3	,175	3	.	1,000	3	1,000
	K (+)	,219	3	.	,987	3	,780

Test of Homogeneity of Variances

Kelompok Pengujian

Levene Statistic	df1	df2	Sig.
1,164	4	10	,383

ANOVA

Kelompok Pengujian

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	5,409	4	1,352	12,522	,001
Within Groups	1,080	10	,108		
Total	6,489	14			

Kelompok Pengujian

Tukey HSD^a

Uji Tinggi Busa	N	Subset for alpha = 0.05		
		1	2	3
K (-)	3	1,633		
F1	3	2,200	2,200	
F2	3	2,467	2,467	
F3	3		2,800	2,800
K (+)	3			3,433
Sig.		,067	,242	,204

Multiple Comparisons

Dependent Variable: Kelompok Pengujian

Tukey HSD

(I) Uji BeratJenis	(J) Uji BeratJenis	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
K (-)	F1	-,5667	,2683	,287	-1,450	,316
	F2	-,8333	,2683	,067	-1,716	,050
	F3	-1,1667*	,2683	,010	-2,050	-,284
	K (+)	-1,8000*	,2683	,000	-2,683	-,917
F1	K (-)	,5667	,2683	,287	-,316	1,450
	F2	-,2667	,2683	,852	-1,150	,616
	F3	-,6000	,2683	,242	-1,483	,283
	K (+)	-1,2333*	,2683	,007	-2,116	-,350
F2	K (-)	,8333	,2683	,067	-,050	1,716
	F1	,2667	,2683	,852	-,616	1,150
	F3	-,3333	,2683	,729	-1,216	,550
	K (+)	-,9667*	,2683	,031	-1,850	-,084
F3	K (-)	1,1667*	,2683	,010	,284	2,050
	F1	,6000	,2683	,242	-,283	1,483
	F2	,3333	,2683	,729	-,550	1,216
	K (+)	-,6333	,2683	,204	-1,516	,250
K (+)	K (-)	1,8000*	,2683	,000	,917	2,683
	F1	1,2333*	,2683	,007	,350	2,116
	F2	,9667*	,2683	,031	,084	1,850
	F3	,6333	,2683	,204	-,250	1,516

Lampiran 18. Hasil analisis data zona hambat

Tests of Normality

	KelompokPengujian	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Zona Hambat	K (-)	,282	3	.	,936	3	,510
	F1	,204	3	.	,993	3	,843
	F2	,349	3	.	,832	3	,194
	F3	,253	3	.	,964	3	,637
	K (+)	,219	3	.	,987	3	,780

Test of Homogeneity of Variances

Zona Hambat

Levene Statistic	df1	df2	Sig.
1,082	4	10	,416

ANOVA

Zona Hambat

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	126,276	4	31,569	186,431	,000
Within Groups	1,693	10	,169		
Total	127,969	14			

Zona Hambat

Tukey HSD^a

KelompokPengujian	N	Subset for alpha = 0.05			
		1	2	3	4
K (-)	3	9,467			
F1	3		11,967		
F3	3			15,067	
F2	3				16,367
K (+)	3				17,267
Sig.		1,000	1,000	1,000	,128

Multiple Comparisons

Dependent Variable: Zona Hambat
Tukey HSD

(I) KelompokPeng ujian	(J) KelompokPeng ujian	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
K (-)	F1	-2,5000*	,3360	,000	-3,606	-1,394
	F2	-6,9000*	,3360	,000	-8,006	-5,794
	F3	-5,6000*	,3360	,000	-6,706	-4,494
	K (+)	-7,8000*	,3360	,000	-8,906	-6,694
F1	K (-)	2,5000*	,3360	,000	1,394	3,606
	F2	-4,4000*	,3360	,000	-5,506	-3,294
	F3	-3,1000*	,3360	,000	-4,206	-1,994
	K (+)	-5,3000*	,3360	,000	-6,406	-4,194
F2	K (-)	6,9000*	,3360	,000	5,794	8,006
	F1	4,4000*	,3360	,000	3,294	5,506
	F3	1,3000*	,3360	,020	,194	2,406
	K (+)	-,9000	,3360	,128	-2,006	,206
F3	K (-)	5,6000*	,3360	,000	4,494	6,706
	F1	3,1000*	,3360	,000	1,994	4,206
	F2	-1,3000*	,3360	,020	-2,406	-,194
	K (+)	-2,2000*	,3360	,000	-3,306	-1,094
K (+)	K (-)	7,8000*	,3360	,000	6,694	8,906
	F1	5,3000*	,3360	,000	4,194	6,406
	F2	,9000	,3360	,128	-,206	2,006
	F3	2,2000*	,3360	,000	1,094	3,306

*. The mean difference is significant at the 0.05 level.

Lampiran 16. Hasil analisis uji stabilitas pH *Cycling Test*

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Sebelum	8,4267	12	1,18176	,34114
	Sesudah	8,2342	12	1,21572	,35095

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Sebelum & Sesudah	12	,961	,000

Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	Sebelum - Sesudah	,19250	,33837	,09768	-,02249	,40749	1,971	11	,074

Lampiran 17. Hasil analisis uji stabilitas viskositas

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Sebelum	8,567	12	,9432	,2723
	Sesudah	8,483	12	,9203	,2657

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Sebelum & Sesudah	12	,989	,000

Paired Samples Test

	Paired Differences					t	df	Sig. (2-tailed)
	Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
				Lower	Upper			
Pair 1 Sebelum - Sesudah	,0833	,1403	,0405	-,0058	,1725	2,057	11	,064