

# LAMPIRAN

## LAMPIRAN

### Lampiran. 1 Daftar Riwayat Hidup



#### A. Data Pribadi

Nama : Alfin Syahrian Dwi Nugraha  
Tempat, Tanggal Lahir : Balikpapan, 19 April 2001  
Alamat Asal : Desa Suka Raja, Kecamatan Sepaku  
Alamat Di Samarinda : Jl. Ramania  
No Hp/Email : 085751985026/ dwialfin1419@gmail.com

#### B. Riwayat Pendidikan

Pendidikan formal  
Tamat SD : SD N 022 Sepaku  
Tamat SMP : SMP N 2 Penajam Paser Utara  
Tamat SMA : SMA N 3 Penajam Paser Utara

## Lampiran. 2 Surat izin Masuk Laboratorium



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Program Studi  
**Farmasi**  
Fakultas Farmasi

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Nomor : 764/FAR.1/C.6/C/2022  
Lampiran : -  
Perihal : Permohonan Ijin Penelitian Skripsi

Kepada Yth.  
**Kepala Laboratorium Universitas Muhammadiyah Kalimantan Timur,**  
Di -  
Tempat

*Assalamualaikum Warahmatullahi Wabarakatuh*

Bersama ini kami mengajukan permohonan kesediaan Bapak/Ibu untuk memberikan ijin penelitian di Universitas Muhammadiyah Kalimantan Timur, bagi mahasiswa/i kami:

Nama : Alfin Syahrian Dwi Nugraha  
NIM : 1911102415008  
Kontak: 085751985026/ [dwialfin1419@gmail.com](mailto:dwialfin1419@gmail.com)

Guna melaksanakan pembuatan skripsi, dengan judul:  
UJI STABILITAS FORMULASI TABLET EFFERVESCENT DARI BEE POLEN LEBAH  
KELULUT TRIGONA SP DENGAN ASAM SITRAT DAN NATRIUM BIKARBOONAT

Demikian permohonan ini dibuat, atas bantuan dan kerjasamanya diucapkan terima kasih.

*Wassalamualaikum Warahmatullahi Wabarakatuh*

Samarinda, 21 Desember 2022  
Ketua Program Studi S1 Farmasi  
Universitas Muhammadiyah Kalimantan Timur



Apt. Ika Ayu Mentari, M.Farm.  
NIDN. 1121019201

Kampus 1 : Jl. Ir. H. Juanda, No.15, Samarinda  
Kampus 2 : Jl. Pelita, Pesona Mahakam, Samarinda

## Lampiran. 3 Surat Selesai Penelitian Laboratorium



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Nomor : 391/LBU/A.5/C/2023  
Lampiran : -  
Hal : Surat Keterangan Selesai Penelitian

Kepada Yth.  
Mahasiswa

Di -  
Tempat

**Assalamu'alaikum Warahmatullahi Wabarakatuh**

Yang bertanda tangan di bawah ini :

Nama : Rini Ernawati S.Pd.,M.Kes  
Jabatan : Kepala Laboratorium  
Instansi : Universitas Muhammadiyah Kalimantan Timur

Dengan ini menyatakan :

Nama : Alfin Syahrian Nugraha  
NIM : 1911102415008  
Program Studi : S1 Farmasi

Judul Penelitian: UJI STABILITAS FORMULASI TABLET EFFER VESCENT DARI BEE POLEN LEBAH KELUTUT TRIGONA SP DENGAN ASAM SITRAT DAN NATRIUM BIKARBOONAT

Telah selesai melakukan penelitian di Laboratorium Universitas Muhammadiyah Kalimantan Timur Demikian Surat keterangan ini dibuat untuk dipergunakan sebagaimana mestinya



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Samarinda, 19 Ramadhan 1444 H

10 April 2023 M

Kepala Laboratorium Ilmu Kesehatan  
Laboratorium



Rini Ernawati, S.Pd, M.Kes

NIDN. 1102096902

#### Lampiran. 4 SPSS Kadar Kelembapan (%)

Descriptive Statistics						
	N	Minimum	Maximum	Mean	Std. Deviation	Variance
KadarF1	3	.134	1.010	.49233	.459221	.211
KadarF2	3	.102	1.930	.77900	1.001950	1.004
KadarF3	3	.134	1.440	.56967	.753731	.568
Valid N (listwise)	3					

Tests of Normality						
	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for DataKadar	.261	9	.078	.837	9	.053

a. Lilliefors Significance Correction

Test of Homogeneity of Variances			
DataKadar			
Levene Statistic	df1	df2	Sig.
1.864	2	6	.235

ANOVA					
DataKadar					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.132	2	.066	.111	.897
Within Groups	3.566	6	.594		
Total	3.698	8			

#### Lampiran. 5 SPSS Sifat Alir (g/detik)

Descriptive Statistics						
	N	Minimum	Maximum	Mean	Std. Deviation	Variance
AlirF1	3	.79	.99	.9133	.10786	.012
AlirF2	3	.68	.74	.7133	.03055	.001
AlirF3	3	.65	.70	.6767	.02517	.001
Valid N (listwise)	3					

Tests of Normality						
	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for DataAlir	.190	9	.200 <sup>*</sup>	.924	9	.422

\*. This is a lower bound of the true significance.  
a. Lilliefors Significance Correction

Test of Homogeneity of Variances			
DataAlir			
Levene Statistic	df1	df2	Sig.
6.321	2	6	.033

ANOVA					
DataAlir					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.097	2	.049	11.063	.010
Within Groups	.026	6	.004		
Total	.124	8			

## Lampiran. 6 SPSS Komprabilitas (%)

Descriptive Statistics						
	N	Minimum	Maximum	Mean	Std. Deviation	Variance
KompraF1	3	.023	.120	.05600	.055435	.003
KompraF2	3	.025	.200	.08333	.101036	.010
KompraF3	3	.050	.140	.09333	.045092	.002
Valid N (listwise)	3					

Tests of Normality						
	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for DataKompra	.247	9	.119	.871	9	.126

a. Lilliefors Significance Correction

Test of Homogeneity of Variances			
DataKompra			
Levene Statistic	df1	df2	Sig.
2.583	2	6	.155

ANOVA					
DataKompra					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.002	2	.001	.219	.809
Within Groups	.031	6	.005		
Total	.033	8			

### Lampiran. 7 SPSS Waktu Melarut Tablet (Menit)

Descriptives								
Waktu								
	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
F1	3	2.6233	.46801	.27021	1.4607	3.7859	2.30	3.16
F2	3	1.4333	.10116	.05840	1.1820	1.6846	1.37	1.55
F3	3	1.9833	.47184	.27242	.8112	3.1554	1.44	2.29
Total	9	2.0133	.61563	.20521	1.5401	2.4865	1.37	3.16

Tests of Normality						
	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Waktu	.119	9	.200 <sup>*</sup>	.991	9	.997

\*. This is a lower bound of the true significance.  
a. Lilliefors Significance Correction

Test of Homogeneity of Variances			
Waktu			
Levene Statistic	df1	df2	Sig.
4.425	2	6	.066

ANOVA					
Waktu					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2.128	2	1.064	7.064	.026
Within Groups	.904	6	.151		
Total	3.032	8			



Multiple Comparisons						
Dependent Variable: Waktu						
LSD						
(I) For1	(J) For1	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
F1	F2	1.19000*	.31689	.009	.4146	1.9654
	F3	.64000	.31689	.090	-.1354	1.4154
F2	F1	-1.19000*	.31689	.009	-1.9654	-.4146
	F3	-.55000	.31689	.133	-1.3254	.2254
F3	F1	-.64000	.31689	.090	-1.4154	.1354
	F2	.55000	.31689	.133	-.2254	1.3254

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

### Lampiran. 8 Kekerasan Tablet (Kg)

Descriptives								
Keras								
	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
F1	5	2.5600	.68044	.30430	1.7151	3.4049	1.80	3.30
F2	5	3.2300	.43434	.19424	2.6907	3.7693	2.59	3.69
F3	5	4.3440	.49868	.22302	3.7248	4.9632	3.82	4.96
Total	15	3.3780	.91504	.23626	2.8713	3.8847	1.80	4.96

Tests of Normality						
	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Keras	.132	15	.200*	.936	15	.330

\*. This is a lower bound of the true significance.  
a. Lilliefors Significance Correction

Test of Homogeneity of Variances			
Keras			
Levene Statistic	df1	df2	Sig.
1.029	2	12	.387

ANOVA					
Keras					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	8.121	2	4.060	13.530	.001
Within Groups	3.601	12	.300		
Total	11.722	14			

Multiple Comparisons						
Dependent Variable: Keras						
LSD						
(I) For2	(J) For2	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
F1	F2	-.67000	.34647	.077	-1.4249	.0849
	F3	-1.78400*	.34647	.000	-2.5389	-1.0291
F2	F1	.67000	.34647	.077	-.0849	1.4249
	F3	-1.11400*	.34647	.007	-1.8689	-.3591
F3	F1	1.78400*	.34647	.000	1.0291	2.5389
	F2	1.11400*	.34647	.007	.3591	1.8689

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

### Lampiran. 9 SPSS Kerapuhan Tablet (%)

Descriptives								
Rapuh								
	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
F1	3	.3273	.19511	.11264	-.1573	.8120	.11	.47
F2	3	.5063	.30197	.17434	-.2438	1.2565	.33	.86
F3	3	.3853	.24835	.14338	-.2316	1.0023	.10	.57
Total	9	.4063	.23235	.07745	.2277	.5849	.10	.86

Tests of Normality						
	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Standardized Residual for Rapuh	.228	9	.196	.919	9	.385

a. Lilliefors Significance Correction

Test of Homogeneity of Variances			
Rapuh			
Levene Statistic	df1	df2	Sig.
.672	2	6	.546

**ANOVA**

Rapuh

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.050	2	.025	.393	.691
Within Groups	.382	6	.064		
Total	.432	8			

## Lampiran. 10 Dokumentasi Penelitian



## Lampiran. 11 Lembar Konsultasi

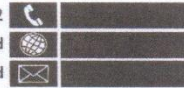


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### LEMBAR KONSULTASI SKRIPSI

Nama Mahasiswa : Alfin Syahrian Dwi Nugraha  
 NIM : 1911102415008  
 Pembimbing : Paula Mariana Kustiawan, Ph.D  
 Judul Penelitian : Uji Stabilitas Formulasi Tablet *Effervescent* dari Bee Polen Lebah Kelulut *Trigona Sp* dengan Asam Sitrat Dan Natrium Bikarbonat

No.	Tanggal	Materi Bimbingan	Arahan/Masukan	Bukti Konsultasi
1	16/10/22	Pembagian skema penelitian	ditagi kelompok riset	<i>dit</i>
2	21/10/22	Konsul jenis pedoman	Tablet effervescent	<i>dit</i>
3	1/11/22	Melaborasi uji & tujuan, draft proposal	Perbaiki yang ditandai	<i>dit</i>
4	16/11/22	Renti Akhir Acc maj & proposal	Perbaiki dapus.	<i>dit</i>
5	05/02/23	farmasi	Di cari standar nya	<i>dit</i>
6	10/03/23	kondata sipat zat aktif	Dicari perbandingan	<i>dit</i>
7	15/04/23	ulan data	Quant Spes	<i>dit</i>
8	20/05/23	- - -		<i>dit</i>
9	26/05/23	perbaikan	banas standar, logunaan dll.	<i>dit</i>
10	13/06/23	perbaikan	komposisi baru perbaiki	<i>dit</i>

SK 1 : Alfin Syahrian Dwi  
Nugraha [Uji Stabilitas  
Formulasi Tablet Effervescent  
Dari Kelulut Bee Pollen (Trigona  
Sp) Dengan Asam Sitrat Dan  
Natrium Bikarbonat]

*by Universitas Muhammadiyah Kalimantan Timur*

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**Submission date:** 04-Dec-2023 03:05PM (UTC+0800)

**Submission ID:** 2186985517

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**Word count:** 8253

**Character count:** 50251

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