

LAMPIRAN

Lampiran 1. Data hasil SPSS

1. Evaluasi viskositas basis

Tests of Normality^{a,b}

	Viskositas	Kolmogorov-Smirnov ^c			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Basis	26.7	.293	6	.117	.822	6	.091

Test of Homogeneity of Variances

Basis

Levene Statistic	df1	df2	Sig.
6.000	1	6	.050

ANOVA

Basis

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2.667	2	1.333	2.400	.171
Within Groups	3.333	6	.556		
Total	6.000	8			

2. Evaluasi pH basis

Tests of Normality

	Hari	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Basis1	Hari1	.314	3	.	.893	3	.363
	Hari2	.292	3	.	.923	3	.463
	Hari3	.219	3	.	.987	3	.780
Basis3	Hari1	.175	3	.	1.000	3	1.000
	Hari2	.337	3	.	.855	3	.253
	Hari3	.253	3	.	.964	3	.637
Basis2	Hari1	.175	3	.	1.000	3	1.000
	Hari2	.253	3	.	.964	3	.637
	Hari3	.175	3	.	1.000	3	1.000

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
Basis1	2.606	2	6	.153
Basis2	1.756	2	6	.251
Basis3	10.609	2	6	.011

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Basis1	Between Groups	.023	2	.011	6.522	.031
	Within Groups	.010	6	.002		

	Total	.033	8			
	Between Groups	.049	2	.025	15.892	.004
Basis2	Within Groups	.009	6	.002		
	Total	.058	8			
	Between Groups	.012	2	.006	1.393	.318
Basis3	Within Groups	.026	6	.004		
	Total	.039	8			

3. Evaluasi viskositas sediaan deodoran *spray*

Tests of Normality

	Viskositas	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Formula	13.3	.231	5	.200*	.881	5	.314
	16.7	.283	4	.	.863	4	.272

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

ANOVA

Formula

	Sum Squares	df	Mean Square	F	Sig.
Between Groups	.450	1	.450	.568	.476
Within Groups	5.550	7	.793		
Total	6.000	8			

4. Evaluasi pH sediaan deodoran *spray*

Tests of Normality

	Hari	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
F1_10C	Hari 1	.292	3	.	.923	3	.463
	Hari 2	.323	3	.	.879	3	.321
	Hari 3	.175	3	.	1.000	3	1.000
F1_60C	Hari 1	.301	3	.	.912	3	.424
	Hari 2	.282	3	.	.936	3	.510
	Hari 3	.292	3	.	.923	3	.463
F1_37C	Hari 1	.215	3	.	.989	3	.800

	Hari 2	.356	3	.	.818	3	.157
	Hari 3	.280	3	.	.938	3	.520
	Hari 1	.204	3	.	.993	3	.843
F2_10C	Hari 2	.337	3	.	.855	3	.253
	Hari 3	.343	3	.	.842	3	.220
	Hari 1	.353	3	.	.824	3	.174
F2_37C	Hari 2	.253	3	.	.964	3	.637
	Hari 3	.302	3	.	.910	3	.417
	Hari 1	.328	3	.	.871	3	.298
F2_60C	Hari 2	.232	3	.	.980	3	.726
	Hari 3	.175	3	.	1.000	3	1.000
	Hari 1	.292	3	.	.923	3	.463
F3_10C	Hari 2	.337	3	.	.855	3	.253
	Hari 3	.361	3	.	.807	3	.132
	Hari 1	.280	3	.	.938	3	.520
F3_37C	Hari 2	.194	3	.	.996	3	.886
	Hari 3	.225	3	.	.984	3	.756
	Hari 1	.292	3	.	.923	3	.463
F3_60C	Hari 2	.245	3	.	.971	3	.672
	Hari 3	.385	3	.	.750	3	.000

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
F1_10C	3.705	2	6	.090
F1_37C	.215	2	6	.812
F1_60C	2.021	2	6	.213

F2_10C	1.305	2	6	.338
F2_37C	1.785	2	6	.247
F2_60C	.777	2	6	.501
F3_10C	1.847	2	6	.237
F3_37C	.351	2	6	.717
F3_60C	1.365	2	6	.325

ANOVA

		Sum Squares	df	Mean Square	F	Sig.
F1_10C	Between Groups	.007	2	.004	.286	.761
	Within Groups	.078	6	.013		
	Total	.085	8			
F1_37C	Between Groups	.047	2	.024	1.992	.217
	Within Groups	.071	6	.012		
	Total	.119	8			
F1_60C	Between Groups	.027	2	.013	2.074	.207
	Within Groups	.039	6	.006		
	Total	.065	8			
F2_10C	Between Groups	.026	2	.013	2.766	.141
	Within Groups	.028	6	.005		
	Total	.054	8			
F2_37C	Between Groups	.066	2	.033	4.924	.054
	Within Groups	.040	6	.007		
	Total	.106	8			
F2_60C	Between Groups	.007	2	.003	.716	.526
	Within Groups	.028	6	.005		

	Total	.035	8			
	Between Groups	.028	2	.014	4.964	.053
F3_10C	Within Groups	.017	6	.003		
	Total	.045	8			
	Between Groups	.018	2	.009	.706	.531
F3_37C	Within Groups	.076	6	.013		
	Total	.094	8			
	Between Groups	.002	2	.001	.158	.858
F3_60C	Within Groups	.032	6	.005		
	Total	.034	8			

Lampiran 2. Persentasi inhibisi

1. Uji aktivitas antimikroba fermentasi kombucha pucuk merah B1 konsentrasi 100%

Zat aktif kombucha pucuk merah			
Mikroorganisme	Absorbansi Awal	Absorbansi Akhir	% Inhibisi
E Coli (1)	0.141	0.087	38.29787234
E Coli (2)	0.145	0.077	46.89655172
E Coli (3)	0.148	0.086	41.89189189
Rata-Rata	0.144666667	0.083333333	42.36210532
Kontrol	0.143	0.051	64.33566434
S Aureus (1)	0.165	0.098	40.60606061
S Aureus (2)	0.168	0.105	37.5
S Aureus (3)	0.171	0.107	37.42690058
Rata-rata	0.168	0.103333333	38.51098706
Kontrol	0.131	0.041	68.70229008
C Albican (1)	0.132	0.086	34.84848485
C Albican (2)	0.134	0.083	38.05970149
C Albican (3)	0.135	0.089	34.07407407
Rata-rata	0.133666667	0.086	35.66075347
Kontrol	0.151	0.057	62.25165563

2. Uji aktivitas antimikroba basis

<i>E.Coli</i>			
Basis	Absorbansi awal	Absorbansi akhir	%Inhibisi
B1(1)	0.064	0.06	6.25
B1(2)	0.06	0.05	16.66666667
B1(3)	0.061	0.044	27.86885246
Rata-rata	0.061666667	0.051333333	16.92850638
B2(1)	0.058	0.051	12.06896552
B2(2)	0.062	0.049	20.96774194
B2(3)	0.065	0.05	23.07692308

Rata-rata	0.061666667	0.05	18.70454351
B3(1)	0.062	0.051	17.74193548
B3(2)	0.063	0.048	23.80952381
B3(3)	0.062	0.045	27.41935484
Rata-rata	0.062333333	0.048	22.99027138

<i>S. Aureus</i>			
Basis	Absorbansi awal	Absorbansi akhir	%Inhibisi
BA1(1)	0.06	0.049	18.33333333
BA1(2)	0.079	0.046	41.7721519
BA1(3)	0.062	0.057	8.064516129
Rata-rata	0.067	0.050666667	22.72333379
BA2(1)	0.06	0.047	21.66666667
BA2(2)	0.062	0.049	20.96774194
BA2(3)	0.06	0.046	23.33333333
Rata-rata	0.060666667	0.047333333	21.98924731
BA3(1)	0.061	0.059	3.278688525
BA3(2)	0.063	0.05	20.63492063
BA3(3)	0.062	0.054	12.90322581
Rata-rata	0.062	0.054333333	12.27227832

<i>C. Albican</i>			
Basis	Absorbansi awal	Absorbansi akhir	%Inhibisi
BC1(1)	0.076	0.062	18.42105263
BC1(2)	0.074	0.067	9.459459459
BC1(3)	0.073	0.069	5.479452055
Rata-rata	0.074333333	0.066	11.11998805
BC2(1)	0.07	0.062	11.42857143
BC2(2)	0.072	0.06	16.66666667
BC2(3)	0.074	0.065	12.16216216
Rata-rata	0.072	0.062333333	13.41913342
BC3(1)	0.078	0.06	23.07692308
BC3(2)	0.076	0.061	19.73684211
BC3(3)	0.075	0.061	18.66666667
Rata-rata	0.076333333	0.060666667	20.49347728

3. Uji aktivitas antimikroba sediaan

<i>E. Coli</i>			
Basis	Absorbansi awal	Absorbansi akhir	%Inhibisi
F1(1)	0.063	0.051	19.04762
F1(2)	0.063	0.046	26.98413
F1(3)	0.065	0.051	21.53846
Rata-rata	0.063666667	0.049333333	22.5234
F2(1)	0.061	0.046	24.59016
F2(2)	0.06	0.045	25
F2(3)	0.061	0.058	4.918033
Rata-rata	0.060666667	0.049666667	18.1694
F3(1)	0.085	0.064	24.70588
F3(2)	0.071	0.048	32.39437
F3(3)	0.071	0.047	33.80282
Rata-rata	0.075666667	0.053	30.30102

<i>S. Aureus</i>			
Basis	Absorbansi awal	Absorbansi akhir	%Inhibisi
F1(1)	0.064	0.052	18.75
F1(2)	0.065	0.053	18.46154
F1(3)	0.064	0.051	20.3125
Rata-rata	0.064333333	0.052	19.17468
F2(1)	0.064	0.047	26.5625
F2(2)	0.065	0.047	27.69231
F2(3)	0.062	0.051	17.74194
Rata-rata	0.063666667	0.048333333	23.99891
F3(1)	0.065	0.05	23.07692
F3(2)	0.064	0.048	25
F3(3)	0.063	0.057	9.52381
Rata-rata	0.064	0.051666667	19.20024

Sediaan C.Albicans			
Basis	Absorbansi awal	Absorbansi akhir	%Inhibisi
F1(1)	0.087	0.068	21.83908
F1(2)	0.092	0.071	22.82609
F1(3)	0.088	0.065	26.13636

Rata-rata	0.089	0.068	23.60051
F2(1)	0.078	0.067	14.10256
F2(2)	0.09	0.067	25.55556
F2(3)	0.082	0.065	20.73171
Rata-rata	0.083333333	0.066333333	20.12994
F3(1)	0.084	0.067	20.2381
F3(2)	0.097	0.067	30.92784
F3(3)	0.083	0.065	21.68675
Rata-rata	0.088	0.066333333	24.28423

Lampiran 3. Evaluasi viskositas

1. Evaluasi viskositas basis

Viskositas		SD
Basis 1.1	26.7	3.868247
Basis 1.2	20	
Basis 1.3	20	
Rata-rata	22.23333	
Basis 2.1	23.3	1.962991
Basis 2.2	26.7	
Basis 2.3	26.7	
Rata-rata	25.56667	
Basis 3.1	26.7	0
Basis 3.2	26.7	
Basis 3.3	26.7	
Rata-rata	26.7	

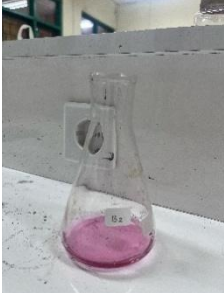
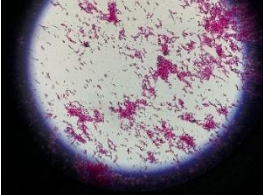
2. Evaluasi viskositas sediaan deodoran *spray*

Viskositas		SD
F1.1	16.7	1.962991
F1.2	13.3	
F1.3	13.3	
Rata-rata	14.4333	
F2.1	16.7	1.962991
F2.2	13.3	
F2.3	13.3	
Rata-rata	14.4333	
F3.1	16.7	1.962991
F3.2	13.3	
F3.3	16.7	
Rata-rata	15.5667	

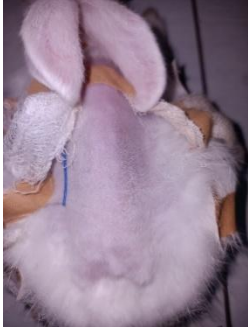
2. evaluasi pH sediaan

pH Sediaan																					
Formulasi	Hari 1			Hari 2			Hari 3			Hari 4			Hari 5			Hari 6			Hari 7		
	suhu 27 °	suhu 10 °	suhu 60 °	suhu 27 °	suhu 10 °	suhu 60 °	suhu 27 °	suhu 10 °	suhu 60 °	suhu 27 °	suhu 10 °	suhu 60 °	suhu 27 °	suhu 10 °	suhu 60 °	suhu 27 °	suhu 10 °	suhu 60 °	suhu 27 °	suhu 10 °	suhu 60 °
F1.1	4.83	4.78	4.65	4.99	4.88	4.72	5.06	4.87	4.83	4.85	4.85	4.73	4.8	4.83	4.88	4.73	4.73	4.72	4.84	4.73	4.72
F1.2	4.7	4.6	4.75	4.79	4.65	4.56	4.81	4.7	4.6	4.72	4.68	4.61	4.64	4.6	4.65	4.81	4.61	4.74	4.67	4.69	4.56
F1.3	4.61	4.54	4.78	4.77	4.6	4.5	4.7	4.66	4.5	4.69	4.59	4.55	4.51	4.5	4.62	4.7	4.57	4.65	4.58	4.54	4.66
Rata-rata	4.71333	4.64	4.72667	4.85	4.71	4.59333	4.85667	4.74333	4.64333	4.75333	4.70667	4.63	4.65	4.64333	4.71667	4.74667	4.63667	4.70333	4.69667	4.65333	4.64667
F2.1	4.81	4.73	4.7	4.98	4.8	4.72	4.8	4.78	4.74	4.79	4.73	4.71	4.82	4.81	4.72	4.76	4.72	4.72	4.81	4.73	4.77
F2.2	4.71	4.65	4.75	4.9	4.73	4.66	4.64	4.79	4.67	4.64	4.73	4.69	4.64	4.73	4.56	4.58	4.64	4.64	4.73	4.65	4.69
F2.3	4.72	4.59	4.69	4.86	4.74	4.56	4.51	4.72	4.54	4.65	4.65	4.61	4.51	4.74	4.51	4.72	4.56	4.72	4.72	4.75	4.71
Rata-rata	4.74667	4.65667	4.71333	4.91333	4.75667	4.64667	4.65	4.76333	4.65	4.69333	4.70333	4.67	4.65667	4.76	4.59667	4.68667	4.64	4.69333	4.75333	4.71	4.72333
F3.1	4.76	4.71	4.71	5.03	4.84	4.76	4.66	4.83	4.72	4.72	4.82	4.73	4.74	4.72	4.73	4.84	4.76	4.76	4.81	4.72	4.74
F3.2	4.58	4.65	4.63	4.81	4.68	4.6	4.48	4.71	4.61	4.62	4.69	4.63	4.63	4.65	4.64	4.78	4.59	4.69	4.68	4.65	4.76
F3.3	4.71	4.68	4.65	4.98	4.82	4.68	4.59	4.84	4.72	4.78	4.79	4.69	4.72	4.56	4.69	4.82	4.77	4.57	4.71	4.68	4.68
Rata-rata	4.68333	4.68	4.66333	4.94	4.78	4.68	4.57667	4.79333	4.68333	4.70667	4.76667	4.68333	4.69667	4.64333	4.68667	4.81333	4.70667	4.67333	4.73333	4.68333	4.72667

Lampiran 5. Dokumentasi

Kadar air simplisia	
Skrining flavonoid	
Fermentasi batch 1, 2 dan 3	
Kadar asam	
Pewarnaan Gram negatif (<i>E. Coli</i>)	
Pewarnaan Gram positif (<i>S. Aureus</i>)	

Peremajaan bakteri <i>Staphylococcus aureus</i>	
Peremajaan bakteri <i>Escherichia coli</i>	
Peremajaan fungi <i>Candida albicans</i>	
Uji aktivitas antimikroba	
Formulasi basis	
Formulasi sediaan deodoran <i>spray</i>	

Uji iritasi	
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Lampiran 6. Certificate Of Analysis

1. Certificate Of Analysis Staphylococcus aureus

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Lanexa, KS 66215
800-447-2581 (US)
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Signed _____
Dawn Baker
QA Manager

ATCC Licensed Derivative
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Certificate of Analysis - Certified Reference Material

ThermoFisher Scientific
Product Name: **Staphylococcus aureus ATCC 6539P PK-5**
Lot Number: **155718**
Manufacture Date: **2024-02-24**
Expiration Date: **2026-02-24**

The product has been manufactured, processed and packaged in accordance with Quality Systems Regulation, 21 CFR Part 320. The results were derived from a representative sample of the lot and are presented at the lot level. Refer to the enclosed product insert for instructions, intended use, handling safety requirements, and storage conditions.

Product Character Results

Property	Results	Specification
Purity	Demonstrates pure growth on applicable media	85 - 100
Identity	Identified as <i>Staphylococcus aureus</i> by PCR	95 - 100
Passage	3 (Current passage) (date)	Pass

Microbiological Testing

>85% Identification on Vitek 2C GP
>95% Identification on MicroSEQ
Microscopic Features

These tests are performed in accordance with ISO 17025 guidelines. Thermo Fisher Scientific has determined each lot of this reference material to be sufficiently homogeneous for its intended use. Individual products are traceable to a recognized culture collection. Although the Vitek(TM) panel uses many conventional tests, the unique environment of the cert, combined with the short incubation period, may produce results that differ from published results obtained by other methods.

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Page 1 of 2

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Page 2 of 2

2. Certificate Of Analysis *Escherichia coli*



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Thermo Scientific™ Trademark™

Product Number R4607050

Product Name E. coli ATCC 25922 PK/5

Lot Number 168884

Usage Decision Accepted (OK)

Expiration Date 2026-03-19

This product has been manufactured, processed and packaged in accordance with Quality Systems Regulation, 21 CFR Part 820.

The results were derived from a representative sample of the batch and were obtained at the time of release.

Refer to the enclosed product insert for instructions, intended use, hazard/safety requirements, and storage conditions.

Product Char Results

Purity	Demonstrates pure growth on applicable media
Viability	Recovered at acceptable level within test period
Passage	3 (Current preserved state)

SALINAN TERKENDALI

PT Agritama Sinergi Inovasi (AGAVI)

Microbiological testing	Results	Specification
>95% Identification on MicroSEQ	100	95 - 100
Microscopic Features	Pass	
>85% Identification on API 20E	Pass	
>85% Identification on RapID ONE	Pass	

These tests are performed in accordance with ISO 17025 guidelines.

Thermo Fisher Scientific has determined each loop of this reference material to be sufficiently homogeneous for its intended use.

Individual products are traceable to a recognized culture collection.

Although the Vitek(TM) panel uses many conventional tests, the unique environment of the card, combined with the short incubation period, may produce results that differ from published results obtained by other methods

Page 1 of 2

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3. Certificate Of Analysis *Candida albicans*



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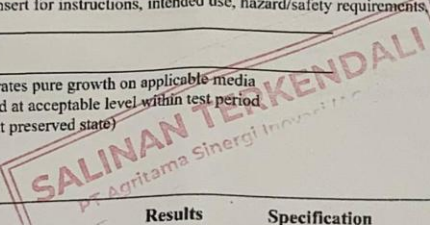
Thermo Fisher Scientific
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Certificate of Analysis - Certified Reference Material
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Thermo Scientific™ Trademark™
Product Number R4601501
Product Name C. albicans ATCC 14053 PK/5
Lot Number 174162
Usage Decision Accepted (OK)
Expiration Date 2026-03-26

This product has been manufactured, processed and packaged in accordance with Quality Systems Regulation, 21 CFR Part 820. The results were derived from a representative sample of the batch and were obtained at the time of release. Refer to the enclosed product insert for instructions, intended use, hazard/safety requirements, and storage conditions.

Product Char Results	
Purity	Demonstrates pure growth on applicable media
Viability	Recovered at acceptable level within test period
Passage	3 (Current preserved state)



Microbiological testing	Results	Specification
>85% Identification on Vitek 2C System	100	85 - 100
>95% Identification on MicroSEQ	Pass	95 - 100
Microscopic Features	Pass	
>85% Identification on RapID YST	Pass	

These tests are performed in accordance with ISO 17025 guidelines.
 Thermo Fisher Scientific has determined each loop of this reference material to be sufficiently homogeneous for its intended use.
 Individual products are traceable to a recognized culture collection.
 Although the Vitek(TM) panel uses many conventional tests, the unique environment of the card, combined with the short incubation period, may produce results that differ from published results obtained by other methods

Page 1 of 2

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Lampiran 7. Keterangan layak etik



KOMISI ETIK PENELITIAN KESEHATAN UNIVERSITAS BHAKTI KENCANA

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KOMISI ETIK PENELITIAN KESEHATAN
HEALTH RESEARCH ETHICS COMMITTEE
UNIVERSITAS BHAKTI KENCANA
BHAKTI KENCANA UNIVERSITY

KETERANGAN LAYAK ETIK
DESCRIPTION OF ETHICAL APPROVAL
"ETHICAL APPROVAL"
065/09.KEPK/UBK/V/2025

Protokol penelitian yang diusulkan oleh :
The research protocol proposed by :

Peneliti Utama : Khilal Farza
Principal in investigator

Nama institusi : Universitas Bhakti Kencana
Name of institution

Dengan judul :
Title

Uji Aktivitas Antimikroba Dan Formulasi Sediaan Deodoran Spray Dari Fermentasi Kombucha Pucuk Merah (*Syzygium myrtifolium* Walp.)

*Antimicrobial Activity Test and Deodorant Spray Preparation Formulation from Fermented Kombucha Red Shoots (*Syzygium myrtifolium* Walp.)*

Dinyatakan layak etik sesuai (tujuh) standar WHO 2011, yaitu 1) Nilai Sosial, 2) Nilai Ilmiah, 3) Pemerataan Beban dan Manfaat, dan 4) Risiko, 5) Bujukan atau eksploitasi, 6) Kerahasiaan atau Privacy, 7) Persetujuan Setelah Penjelasan, yang merujuk pada Pedoman CIOMS 2016. Hal ini seperti yang ditunjukkan oleh terpenuhinya indikator setiap standar.

Declared to be ethically appropriate in accordance to 7 (seven) WHO 2011 standards, 1) Social Value, 2) Scientific Value, 3) Equitable Assessment and Benefits, 4) Risks, 5) Persuasion/Exploitation, 6) Confidentiality and Privacy, and Informed Consent, referring to the 2016 CIOMS guidelines. This is as indicated by the fulfillment of the indicators of each standards.

Pernyataan Laik Etik ini berlaku selama kurun waktu 08 Mei 2025 sampai dengan tanggal 08 Mei 2026.

This declaration of ethics applies during the period 8 th May 2025 until 8 th May 2026.

08 Mei 2025
Professor and Chairperson

R. Nety Kustikayanti, S.Kp., M.Kep
NIK. 02019010336

Lampiran 8. Keterangan determinasi



INSTITUT TEKNOLOGI BANDUNG

SEKOLAH ILMU DAN TEKNOLOGI HAYATI

Gedung Labtek XI, Jalan Ganesa No.10, Bandung 40132, Telp. : +6222 2511575, Fax.: +6222 2534107
e-mail: sith@itb.ac.id situs: www.sith.itb.ac.id

Nomor : 9372/IT1.C11.2/TA.00/2024
Hal : Determinasi tumbuhan

23 Desember 2024

Yth. Dekan
Fakultas Farmasi
Universitas Bhakti Kencana
Jalan Soekarno Hatta No. 754
Bandung

Memperhatikan permintaan Saudara dalam surat No. 0953/03.S1-FF/UBK/XII/2024 tanggal 16 Desember 2024 mengenai determinasi tumbuhan, dengan ini kami sampaikan bahwa setelah dilakukan pendeterminasian oleh staf kami, sampel tumbuhan yang dikirim oleh Sdr. Khalil Farza (NIM: 211FF03029), yaitu:

No	Nama sampel	Hasil determinasi	Famili
1.	Pucuk merah	<i>Syzygium myrtifolium</i> Walp.	Myrtaceae

Referensi:

1. Backer C. A., Bakhuizen van den Brink, R. C. (1963). *Flora of Java. Vol I*. N.V.P. Noordhoff.

Demikian yang kami sampaikan. Atas perhatian dan kerjasama yang diberikan, kami ucapkan terima kasih.

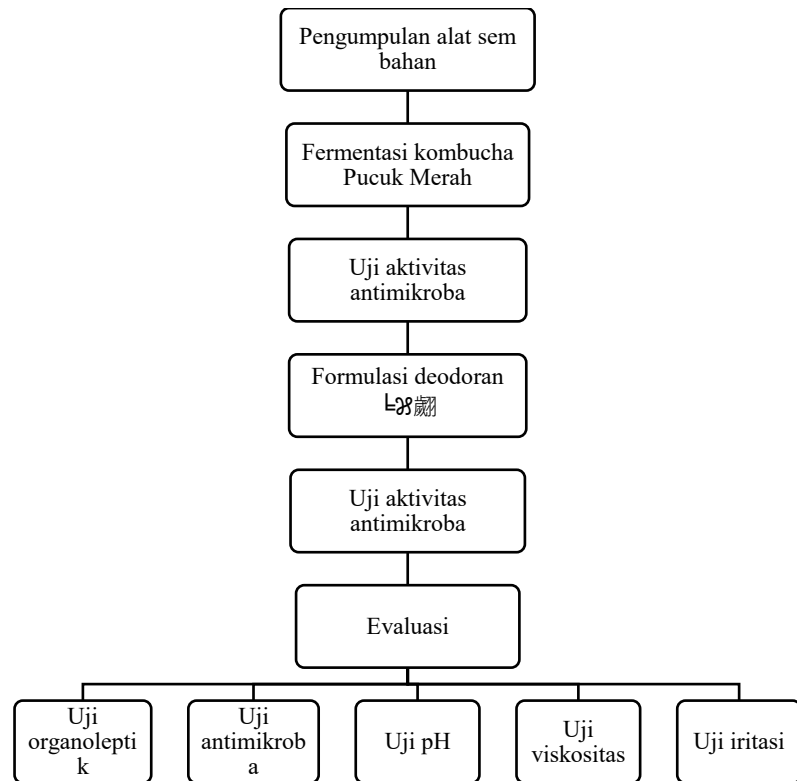
Wakil Dekan Bidang Sumber Daya,

Agus Dwiartama, S.Si., M.Si., Ph.D.
NIP. 198302052012121002

Tembusan:
1. Dekan SITH ITB

Terakreditasi oleh:



Lampiran 10. Kerangka penelitian

Lampiran 11. Turnitin

TA Khilal.docx			
ORIGINALITY REPORT			
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Lampiran 12. Kartu bimbingan

No	Tanggal	Dosen Pembimbing	Topik	Disetujui	Aksi
1	24 April 2025	Dr Rahma Ziska, M.Si	penyampaian hasil	✓	 
1	7 Maret 2025	apt M. Ramadhan Saputro, M.Farm	data hasil	✓	 
2	11 Maret 2025	apt M. Ramadhan Saputro, M.Farm	data hasil	✓	 
2	9 Mei 2025	Dr Rahma Ziska, M.Si	data hasil	✓	 
3	15 April 2025	apt M. Ramadhan Saputro, M.Farm	data hasil	✓	 
3	17 Mei 2025	Dr Rahma Ziska, M.Si	data hasil	✓	 
4	17 April 2025	apt M. Ramadhan Saputro, M.Farm	uji iritasi	✓	 
4	25 Mei 2025	Dr Rahma Ziska, M.Si	Data hasil	✓	 
5	16 Juni 2025	Dr Rahma Ziska, M.Si	pembahasan	✓	 
5	24 Mei 2025	apt M. Ramadhan Saputro, M.Farm	evaluasi sedioan	✓	 
5	25 Juni 2025	Dr Rahma Ziska, M.Si	revisi pembahasan	✓	 
6	24 Juni 2025	Dr Rahma Ziska, M.Si	Pembahasan	✓	 
6	5 Mei 2025	apt M. Ramadhan Saputro, M.Farm	evaluasi sedioan	✓	 
7	25 Juni 2025	Dr Rahma Ziska, M.Si	Revisi draft	✓	 
7	9 Mei 2025	apt M. Ramadhan Saputro, M.Farm	data hasil	✓	 
8	15 Juni 2025	apt M. Ramadhan Saputro, M.Farm	hasil pembahasan	✓	 
8	10 Juli 2025	Dr Rahma Ziska, M.Si	Revisi draft awal	✓	 
9	23 Juni 2025	apt M. Ramadhan Saputro, M.Farm	revisi pembahasan	✓	 
9	11 Juli 2025	Dr Rahma Ziska, M.Si	revisi draft dan pembahasan		 
10	2 Juli 2025	apt M. Ramadhan Saputro, M.Farm	revisi pembahasan	✓	 
11	9 Juli 2025	apt M. Ramadhan Saputro, M.Farm	Revisi grafik	✓	 

Lampiran 13. Riwayat hidup



Biodata

Nama lengkap : Khilal Farza
Nama panggilan : Khilal
Tempat/tanggal lahir : Bandung, 23 Januari 2002
Jenis kelamin : Laki-laki
Agama : Islam
Alamat : Kp. Loa Sari, RT 02/RW 03, Ds. Mekarsari, Kec. Ciparay,
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Email : Khilal.2302@gmail.com
Nama ayah : Agus Jaka Heryanto
Nama ibu : Iis Widianingsih
Anak ke- : 1 dari 2 bersaudara