

LAMPIRAN

LAMPIRAN 1

Biodata Peneliti



A. Data Pribadi

Nama : Zufiha Citra Utami Masdar
Tempat, tgl lahir : Makassar, 25 Agustus 2001
Alamat asal : Jl. Wolter Monginsidi RT 23 No, 2 Samarinda Ulu
Email : zufihactra@gmail.com

B. Riwayat Pendidikan

Pendidikan Formal

- Tamat SD tahun : SDN 010 Samarinda Ulu pada 2013
- Tamat SMP : SMPN 1 Samarinda pada 2016
- Tamat SMA : SMAN 1 Samarinda pada 2019

LAMPIRAN 2

 UMKT Laboratorium	081230017008 umkt.ac.id web@umkt.ac.id
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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Nomor : 458/LBU/A.5/C/2023
Lampiran : -
Hal : Surat Keterangan Selesai Penelitian

Kepada Yth.
Ka. Prodi Farmasi

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 : Zufiha Citra Utami Masdar
NIM : 1911102415129
Program Studi : S1 Farmasi
Judul Penelitian : **POTENSI FRAKSI N-HEKSAN DARI DAUN KELUBUT (*Passiflora foetida* L.) TERHADAP PENGHAMBATAN MONOMIKROBA BIOFILM *Pseudomonas aeruginosa* dan *Escherichia coli***

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

Wassalamu'alaikum Warahmatullahi Wabarakatuh

Samarinda, 27 Jumada al-Akhirah 1445 H
9 Januari 2024 M
Kepala Laboratorium Ilmu Kesehatan



Rini Ernawati, S.Pd, M.Kes
NIDN. 1102096902

LAMPIRAN 3

Hasil Determinasi Daun Kelubut (*Passiflora foetida* L.)



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS MULAWARMAN FAKULTAS KEHUTANAN
LABORATORIUM EKOLOGI DAN KONSERVASI BIODIVERSITAS HUTAN TROPIS
Alamat: kampus Unmul Gunung Kelua, Jl. Parajam Gd. B11 Lt.1 Samarinda 75123
Telp./Fax (0541) 7273726, Email: lab.ekobio@fahutan.unmul.ac.id

Samarinda, 13 Maret 2023

Nomor : 68/UN17.4.08/LL/2023
Lampiran : -
Perihal : Hasil Identifikasi/Determinasi Tumbuhan

Kepada Yth.
Bpk./Ibu/Sdr(i). Zufiha Citra Utami Masdar (1911102415129)
Fakultas Farmasi Universitas Muhammadiyah Kalimantan Timur
di-

Tempat

Dengan Hormat,

Bersama ini kami sampaikan hasil identifikasi/determinasi tumbuhan yang saudara kirimkan ke "Herbarium Mulawarman", Laboratorium Ekologi dan Konservasi Biodiversitas Hutan Tropis Fakultas Kehutanan Universitas Mulawarman Samarinda, adalah sebagai berikut:

Kingdom : Plantae
Phylum : Magnoliophyta
Class : Magnoliopsida
Order : Asterales
Family : Asteraceae
Species : *Passiflora foetida* L.
Synonyms : *Passiflora foetida* var. *balansae* Chodat, *Passiflora foetida* var. *ciliata* (Aiton) Mast., *Passiflora foetida* var. *foetida*, *Passiflora foetida* var. *galapagensis* Killip, *Passiflora foetida* var. *gardneri* Killip, *Passiflora foetida* var. *hibiscifolia* (Lam.) Killip, *Passiflora foetida* var. *hirsuta* (L.) Mast., *Passiflora foetida* var. *hirsutissima* Killip, *Passiflora foetida* var. *isthmia* Killip, *Passiflora foetida* var. *maxonii* Killip, *Passiflora foetida* var. *mayarum* Killip, *Passiflora foetida* var. *nicaraguensis* (Killip ex Standl.) Killip, *Passiflora foetida* var. *nigelliflora* (Hook.) Mast., *Passiflora foetida* subsp. *orinocensis* Killip, *Passiflora foetida* subsp. *quinqueloba* (Griseb.) Mast., *Passiflora foetida* var. *salvadorensis* Killip, *Passiflora foetida* var. *sericea* Chodat & Hassl., *Passiflora foetida* var. *subintegra* Killip, *Passiflora foetida* var. *subpalmata* Killip, *Passiflora foetida* var. *variegata* G. Mey. *Passiflora foetida* var. *vitacea* Mast.

Common name : Kelubut

Demikian, semoga berguna bagi saudara.

Tembusan:
Arsip

Kepala,

Ir. Parlius Matius, M.Sc.
NIP. 19550411984031001



Lampiran 4

Perhitungan Rendemen

Rendemen Ekstraksi

$$\text{Rendemen} = \frac{\text{Berat Ekstrak}}{\text{Berat Simplisia}} \times 100\%$$

$$\text{Rendemen} = \frac{25,58 \text{ gr}}{500 \text{ gr}} \times 100\%$$

$$\text{Rendemen} = 0,05116 \times 100\%$$

$$\text{Rendemen} = 5,116\%$$

LAMPIRAN 5

Hasil Data *Microplate Reader*

Analysis Report



Experiment information:

Assay:	chichi 620nm
Template:	
Date:	14/06/2023 09:43
Channels:	620 nm
Software version:	0.8.1.1

Notes:

Results													
Cell	Type	Sample Name	A/M	Group	OD 620 nm	Result 1	Result 2	Given Concentration	Mean Concentration	Calculated Concentration	Mean (OD)	Standard Deviation (OD)	Coefficient of Variation (OD)
A1	S0	Std S0			0.4688	OK		100	*35.604	*18.880	0.3503	0.1185	33.834%
A2	S1	Std S1			0.4564	Error		50	*26.007	*20.018	0.4047	0.0439	10.857%
A3	S2	Std S2			0.2758	Error		25	*38.867	*59.949	0.3365	0.0430	12.770%
A4	P1	Positive control P1			0.0804	Error			*416.781	*878.635	0.1132	0.0359	31.688%
A5	N1	Negative control N1			0.1412	Error			*79.298	*257.447	0.2426	0.0926	38.187%
A6	N2	Negative control N2			0.0853	OK			*340.691	*771.909	0.1242	0.0485	39.075%
A7	S3	Std S3			0.1288	OK		100	*424.596	*314.747	0.1122	0.0204	18.135%
A8	S4	Std S4			0.3885	OK		50	101.034	28.427	0.2170	0.1199	55.260%
A9	S5	Std S5			0.3647	Error		25	29.116	32.619	0.3842	0.0453	11.802%
A10	P2	Positive control P2			0.1030	Error			*490.731	*512.446	0.1050	0.0318	30.242%
A11	N1	Negative control N1			0.3495	Error			*79.298	*35.791	0.2426	0.0926	38.187%
A12	N2	Negative control N2			0.1830	OK			*340.691	*146.398	0.1242	0.0485	39.075%
B1	S0	Std S0			0.4674	OK		100	*35.604	*19.002	0.3503	0.1185	33.834%
B2	S1	Std S1			0.4276	Error		50	*26.007	*23.067	0.4047	0.0439	10.857%
B3	S2	Std S2			0.3176	Error		25	*38.867	*44.086	0.3365	0.0430	12.770%
B4	P1	Positive control P1			0.0912	Error			*416.781	*666.846	0.1132	0.0359	31.688%
B5	N1	Negative control N1			0.1493	Error			*79.298	*228.278	0.2426	0.0926	38.187%
B6	N2	Negative control N2			0.0739	OK			*340.691	*1056.329	0.1242	0.0485	39.075%
B7	S3	Std S3			0.1235	OK		100	*424.596	*344.627	0.1122	0.0204	18.135%
B8	S4	Std S4			0.2677	OK		50	*101.034	*63.969	0.2170	0.1199	55.260%
B9	S5	Std S5			0.3307	Error		25	*29.116	*40.366	0.3842	0.0453	11.802%

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Results													
Cell	Type	Sample Name	A/M	Group	OD 620 nm	Result 1	Result 2	Given Concentration	Mean Concentration	Calculated Concentration	Mean (OD)	Standard Deviation (OD)	Coefficient of Variation (OD)
B10	P2	Positive control P2			0.0694	Error			*490.731	*1209.163	0.1050	0.0318	30.242%
B11	N1	Negative control N1			0.3553	Error			79.298	34.542	0.2426	0.0926	38.187%
B12	N2	Negative control N2			0.1178	OK			*340.691	*381.922	0.1242	0.0485	39.075%
C1	S0	Std S0			0.2137	OK		100	*35.604	*104.527	0.3503	0.1185	33.834%
C2	S1	Std S1			0.3379	Error		50	*26.007	*38.525	0.4047	0.0439	10.857%
C3	S2	Std S2			0.3856	Error		25	38.867	28.899	0.3365	0.0430	12.770%
C4	P1	Positive control P1			0.1729	Error			*416.781	*165.726	0.1132	0.0359	31.688%
C5	N1	Negative control N1			0.1091	Error			*79.298	*451.770	0.2426	0.0926	38.187%
C6	N2	Negative control N2			0.0794	OK			*340.691	*903.619	0.1242	0.0485	39.075%
C7	S3	Std S3			0.1192	OK		100	*424.596	*372.651	0.1122	0.0204	18.135%
C8	S4	Std S4			0.1269	OK		50	*101.034	*325.190	0.2170	0.1199	55.260%
C9	S5	Std S5			0.4548	Error		25	*29.116	*20.173	0.3842	0.0453	11.802%
C10	P2	Positive control P2			0.0749	Error			*490.731	*1025.937	0.1050	0.0318	30.242%
C11	N1	Negative control N1			0.1491	Error			*79.298	*228.663	0.2426	0.0926	38.187%
C12	N2	Negative control N2			0.1170	OK			*340.691	*388.262	0.1242	0.0485	39.075%
D1	S0	Std S0			0.2515	OK		100	*35.604	*73.298	0.3503	0.1185	33.834%
D2	S1	Std S1			0.3969	Error		50	26.007	27.132	0.4047	0.0439	10.857%
D3	S2	Std S2			0.3671	Error		25	38.867	32.160	0.3365	0.0430	12.770%
D4	P1	Positive control P1			0.1083	Error			*416.781	*458.811	0.1132	0.0359	31.688%
D5	N1	Negative control N1			0.1477	Error			*79.298	*233.645	0.2426	0.0926	38.187%

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Results													
Cell	Type	Sample Name	A/M	Group	OD 620 nm	Result 1	Result 2	Given Concentration	Mean Concentration	Calculated Concentration	Mean (OD)	Standard Deviation (OD)	Coefficient of Variation (OD)
D6	N2	Negative control N2			0.0909	OK			*340.691	*672.909	0.1242	0.0485	39.075%
D7	S3	Std S3			0.0775	OK		100	*424.596	*951.671	0.1122	0.0204	18.135%
D8	S4	Std S4			0.0850	OK		50	*101.034	*777.980	0.2170	0.1199	55.260%
D9	S5	Std S5			0.3868	Error		25	29.116	28.701	0.3842	0.0453	11.802%
D10	P2	Positive control P2			0.0958	Error			*490.731	*599.280	0.1050	0.0318	30.242%
D11	N1	Negative control N1			0.2931	Error			*79.298	*52.518	0.2426	0.0926	38.187%
D12	N2	Negative control N2			0.1092	OK			*340.691	*451.124	0.1242	0.0485	39.075%
E1	S6	Std S6			0.2707	OK		100	*44.678	*62.447	0.3157	0.0592	18.746%
E2	S7	Std S7			0.7333	OK		50	*25.072	*7.128	0.4116	0.1917	46.570%
E3	S8	Std S8			0.4948	Error		25	*13.816	*16.790	0.5411	0.0509	9.404%
E4	P2	Positive control P2			0.1482	Error			*490.731	*231.761	0.1050	0.0318	30.242%
E5	N1	Negative control N1			0.1424	Error			*79.298	*252.905	0.2426	0.0926	38.187%
E6	N2	Negative control N2			0.1184	OK			*340.691	*377.786	0.1242	0.0485	39.075%
E7	S9	Std S9			0.1187	OK		100	*400.926	*375.991	0.1152	0.0319	27.663%
E8	S10	Std S10			0.1643	OK		50	*285.186	*185.192	0.1348	0.0354	26.267%
E9	S11	Std S11			0.3490	OK		25	*26.994	*35.907	0.3978	0.0661	16.622%
E10	P2	Positive control P2			0.0796	Error			*490.731	*898.755	0.1050	0.0318	30.242%
E11	N1	Negative control N1			0.1992	Error			*79.298	*121.789	0.2426	0.0926	38.187%
E12	N2	Negative control N2			0.2366	OK			*340.691	*83.718	0.1242	0.0485	39.075%
F1	S6	Std S6			0.4021	OK		100	*44.678	*26.374	0.3157	0.0592	18.746%
F2	S7	Std S7			0.3427	OK		50	*25.072	*37.346	0.4116	0.1917	46.570%

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Results													
Cell	Type	Sample Name	A/M	Group	OD 620 nm	Result 1	Result 2	Given Concentration	Mean Concentration	Calculated Concentration	Mean (OD)	Standard Deviation (OD)	Coefficient of Variation (OD)
F3	S8	Std S8			0.5902	Error		25	*13.816	*11.434	0.5411	0.0509	9.404%
F4	P2	Positive control P2			0.1658	Error			*490.731	*181.578	0.1050	0.0318	30.242%
F5	N1	Negative control N1			0.3756	Error			79.298	30.601	0.2426	0.0926	38.187%
F6	N2	Negative control N2			0.1522	OK			*340.691	*218.743	0.1242	0.0485	39.075%
F7	S9	Std S9			0.0987	OK		100	*400.926	*561.760	0.1152	0.0319	27.663%
F8	S10	Std S10			0.1054	OK		50	*285.186	*486.710	0.1348	0.0354	26.267%
F9	S11	Std S11			0.3400	OK		25	*26.994	*38.005	0.3978	0.0661	16.622%
F10	P2	Positive control P2			0.0764	Error			*490.731	*982.645	0.1050	0.0318	30.242%
F11	N1	Negative control N1			0.2694	Error			*79.298	*63.088	0.2426	0.0926	38.187%
F12	N2	Negative control N2			0.2256	OK			*340.691	*92.842	0.1242	0.0485	39.075%
G1	S6	Std S6			0.3377	OK		100	*44.678	*38.583	0.3157	0.0592	18.746%
G2	S7	Std S7			0.3432	OK		50	*25.072	*37.233	0.4116	0.1917	46.570%
G3	S8	Std S8			0.5935	Error		25	*13.816	*11.296	0.5411	0.0509	9.404%
G4	P2	Positive control P2			0.1328	Error			*490.731	*294.663	0.1050	0.0318	30.242%
G5	N1	Negative control N1			0.2755	Error			*79.298	*60.101	0.2426	0.0926	38.187%
G6	N2	Negative control N2			0.0865	OK			*340.691	*748.430	0.1242	0.0485	39.075%
G7	S9	Std S9			0.0788	OK		100	*400.926	*917.254	0.1152	0.0319	27.663%
G8	S10	Std S10			0.0942	OK		50	*285.186	*622.514	0.1348	0.0354	26.267%
G9	S11	Std S11			0.3961	OK		25	26.994	27.252	0.3978	0.0661	16.622%
G10	P2	Positive control P2			0.0686	Error			*490.731	*1240.201	0.1050	0.0318	30.242%

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Results													
Cell	Type	Sample Name	A/M	Group	OD 620 nm	Result 1	Result 2	Given Concentration	Mean Concentration	Calculated Concentration	Mean (OD)	Standard Deviation (OD)	Coefficient of Variation (OD)
G11	N1	Negative control N1			0.2409	Error			*79.298	*80.491	0.2426	0.0926	38.187%
G12	N2	Negative control N2			0.1056	OK			*340.691	*485.015	0.1242	0.0485	39.075%
H1	S6	Std S6			0.2522	OK		100	*44.678	*72.834	0.3157	0.0592	18.746%
H2	S7	Std S7			0.2270	OK		50	*25.072	*91.578	0.4116	0.1917	46.570%
H3	S8	Std S8			0.4859	Error		25	*13.816	*17.466	0.5411	0.0509	9.404%
H4	P2	Positive control P2			0.1171	Error			*490.731	*386.955	0.1050	0.0318	30.242%
H5	N1	Negative control N1			0.2921	Error			*79.298	*52.893	0.2426	0.0926	38.187%
H6	N2	Negative control N2			0.0902	OK			*340.691	*683.771	0.1242	0.0485	39.075%
H7	S9	Std S9			0.1648	OK		100	*400.926	*184.063	0.1152	0.0319	27.663%
H8	S10	Std S10			0.1751	OK		50	*285.186	*161.163	0.1348	0.0354	26.267%
H9	S11	Std S11			0.5063	OK		25	*26.994	*15.970	0.3978	0.0661	16.622%
H10	P2	Positive control P2			0.1289	Error			*490.731	*314.334	0.1050	0.0318	30.242%
H11	N1	Negative control N1			0.3915	Error			79.298	27.948	0.2426	0.0926	38.187%
H12	N2	Negative control N2			0.1155	OK			*340.691	*398.862	0.1242	0.0485	39.075%

Experiment information:

Assay:	4 bakteri bestie 620nm
Template:	
Date:	22/06/2023 09:02
Channels:	620 nm
Software version:	0.8.1.1

Notes:

Results													
Cell	Type	Sample Name	A/M	Group	OD 620 nm	Result 1	Result 2	Given Concentration	Mean Concentration	Calculated Concentration	Mean (OD)	Standard Deviation (OD)	Coefficient of Variation (OD)
A1	S0	Std S0			0.1504	OK		1	*0.960	*0.956	0.1513	0.0237	15.645%
A2	S0	Std S0			0.1390	OK		1	*0.960	*0.902	0.1513	0.0237	15.645%
A3	S0	Std S0			0.1149	OK		1	*0.960	*0.771	0.1513	0.0237	15.645%
A4	S0	Std S0			0.1832	OK		1	0.960	1.091	0.1513	0.0237	15.645%
A5	S0	Std S0			0.1689	OK		1	0.960	1.035	0.1513	0.0237	15.645%
B1	S1	Std S1			0.2866	Error		2	1.435	1.399	0.3023	0.1470	48.629%
B2	S1	Std S1			0.1076	Error		2	*1.435	*0.726	0.3023	0.1470	48.629%
B3	S1	Std S1			0.3355	Error		2	1.435	1.507	0.3023	0.1470	48.629%
B4	S1	Std S1			0.5538	Error		2	1.435	1.851	0.3023	0.1470	48.629%
B5	S1	Std S1			0.2280	Error		2	1.435	1.242	0.3023	0.1470	48.629%
C8	S2	Std S2			0.1271	Error		1	*0.934	*0.840	0.1458	0.0389	26.660%
C9	S2	Std S2			0.1104	Error		1	*0.934	*0.743	0.1458	0.0389	26.660%
C10	S2	Std S2			0.1813	Error		1	0.934	1.084	0.1458	0.0389	26.660%
C11	S2	Std S2			0.2026	Error		1	0.934	1.161	0.1458	0.0389	26.660%
C12	S2	Std S2			0.1076	Error		1	*0.934	*0.726	0.1458	0.0389	26.660%
D8	S3	Std S3			0.1582	OK		2	0.901	0.991	0.1390	0.0240	17.302%
D9	S3	Std S3			0.0988	OK		2	*0.901	*0.667	0.1390	0.0240	17.302%
D10	S3	Std S3			0.1660	OK		2	0.901	1.024	0.1390	0.0240	17.302%
D11	S3	Std S3			0.1271	OK		2	*0.901	*0.840	0.1390	0.0240	17.302%
D12	S3	Std S3			0.1448	OK		2	*0.901	*0.930	0.1390	0.0240	17.302%
E1	S4	Std S4			0.1307	OK		1	*1.084	*0.859	0.1813	0.0627	34.588%
E2	S4	Std S4			0.2142	OK		1	1.084	1.199	0.1813	0.0627	34.588%
E3	S4	Std S4			0.1984	OK		1	1.084	1.146	0.1813	0.0627	34.588%
E4	S4	Std S4			0.2703	OK		1	1.084	1.358	0.1813	0.0627	34.588%
E5	S4	Std S4			0.0929	OK		1	*1.084	*0.625	0.1813	0.0627	34.588%
F1	S5	Std S5			1.1752	Error		2	*2.539	*2.368	1.5065	0.2443	16.220%
F2	S5	Std S5			1.4408	Error		2	*2.539	*2.508	1.5065	0.2443	16.220%

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Results													
Cell	Type	Sample Name	A/M	Group	OD 620 nm	Result 1	Result 2	Given Concentration	Mean Concentration	Calculated Concentration	Mean (OD)	Standard Deviation (OD)	Coefficient of Variation (OD)
F3	S5	Std S5			1.3428	Error		2	*2.539	*2.460	1.5065	0.2443	16.220%
F4	S5	Std S5			1.8038	Error		2	*2.539	*2.662	1.5065	0.2443	16.220%
F5	S5	Std S5			1.7697	Error		2	*2.539	*2.649	1.5065	0.2443	16.220%
G8	S6	Std S6			0.1551	OK		1	1.012	0.977	0.1632	0.0560	34.297%
G9	S6	Std S6			0.2501	OK		1	1.012	1.305	0.1632	0.0560	34.297%
G10	S6	Std S6			0.1964	OK		1	1.012	1.139	0.1632	0.0560	34.297%
G11	S6	Std S6			0.1258	OK		1	*1.012	*0.833	0.1632	0.0560	34.297%
G12	S6	Std S6			0.0887	OK		1	*1.012	*0.593	0.1632	0.0560	34.297%
H8	S7	Std S7			0.7654	OK		2	2.107	2.073	0.8035	0.0604	7.522%
H9	S7	Std S7			0.8088	OK		2	*2.107	*2.111	0.8035	0.0604	7.522%
H10	S7	Std S7			0.8411	OK		2	*2.107	*2.138	0.8035	0.0604	7.522%
H11	S7	Std S7			0.8888	OK		2	*2.107	*2.176	0.8035	0.0604	7.522%
H12	S7	Std S7			0.7135	OK		2	2.107	2.025	0.8035	0.0604	7.522%

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LAMPIRAN 6

Hasil Data SPSS

Hasil Data SPSS *Pseudomonas aeruginosa*

1. Uji Normalitas P.A

		Tests of Normality					
		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Kelompok Perlakuan	Statistic	df	Sig.	Statistic	df	Sig.
data_baru	Fraksi 100%	,193	3	.	,997	3	,891
	Fraksi 50%	,343	3	.	,842	3	,220
	Fraksi 25%	,228	3	.	,982	3	,745
	Kontrol Positif	,280	3	.	,937	3	,516
	Kontrol Negatif	,371	3	.	,783	3	,075

a. Lilliefors Significance Correction

2. Uji Homogenitas P.A

		Test of Homogeneity of Variances			
		Levene Statistic	df1	df2	Sig.
data_baru	Based on Mean	1,333	4	10	,323
	Based on Median	,213	4	10	,926
	Based on Median and with adjusted df	,213	4	6,239	,922
	Based on trimmed mean	1,191	4	10	,372

3. Uji Anova P.A

ANOVA					
data_baru					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3,506	4	,877	104,017	,000
Within Groups	,084	10	,008		
Total	3,591	14			

4. Uji Post-Tukey P.A

Multiple Comparisons

Dependent Variable: data_baru

Tukey HSD

(I) Kelompok Perlakuan	(J) Kelompok Perlakuan	Mean Difference	Std. Error	Sig.	95% Confidence Interval	
		(I-J)			Lower Bound	Upper Bound
Fraksi 100%	Fraksi 50%	-,17216	,07495	,223	-,4188	,0745
	Fraksi 25%	-,62280*	,07495	,000	-,8695	-,3761
	Kontrol Positif	,11499	,07495	,565	-,1317	,3617
	Kontrol Negatif	-1,20297*	,07495	,000	-1,4497	-,9563
Fraksi 50%	Fraksi 100%	,17216	,07495	,223	-,0745	,4188
	Fraksi 25%	-,45064*	,07495	,001	-,6973	-,2040
	Kontrol Positif	,28714*	,07495	,022	,0405	,5338
	Kontrol Negatif	-1,03081*	,07495	,000	-1,2775	-,7841
Fraksi 25%	Fraksi 100%	,62280*	,07495	,000	,3761	,8695
	Fraksi 50%	,45064*	,07495	,001	,2040	,6973
	Kontrol Positif	,73779*	,07495	,000	,4911	,9845
	Kontrol Negatif	-,58017*	,07495	,000	-,8269	-,3335
Kontrol Positif	Fraksi 100%	-,11499	,07495	,565	-,3617	,1317
	Fraksi 50%	-,28714*	,07495	,022	-,5338	-,0405
	Fraksi 25%	-,73779*	,07495	,000	-,9845	-,4911
	Kontrol Negatif	-1,31796*	,07495	,000	-1,5646	-1,0713
Kontrol Negatif	Fraksi 100%	1,20297*	,07495	,000	,9563	1,4497
	Fraksi 50%	1,03081*	,07495	,000	,7841	1,2775
	Fraksi 25%	,58017*	,07495	,000	,3335	,8269
	Kontrol Positif	1,31796*	,07495	,000	1,0713	1,5646

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

Hasil Data SPSS *Escherichia Coli*

1. UJI NORMALITAS E.C

Tests of Normality

	Kelompok Perlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Nilai OD	Fraksi 100%	,194	3	.	,996	3	,885
	Fraksi 50%	,187	3	.	,998	3	,916
	Fraksi 25%	,294	3	.	,920	3	,454
	Kontrol Positif	,310	3	.	,898	3	,380
	Kontrol Negatif	,217	3	.	,988	3	,789

a. Lilliefors Significance Correction

2. UJI HOMOGENITAS E.C

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Nilai OD	Based on Mean	2,898	4	10	,079
	Based on Median	2,157	4	10	,148
	Based on Median and with adjusted df	2,157	4	3,362	,261
	Based on trimmed mean	2,856	4	10	,081

3. UJI ANOVA E.C

ANOVA

Nilai OD

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1,142	4	,285	67,381	,000
Within Groups	,042	10	,004		
Total	1,184	14			

4. UJI POST-HOC TUKEY E.C

Multiple Comparisons

Dependent Variable: Nilai OD

Tukey HSD

(I) Kelompok Perlakuan	(J) Kelompok Perlakuan	Mean	Std. Error	Sig.	95% Confidence Interval	
		Difference (I-J)			Lower Bound	Upper Bound
Fraksi 100%	Fraksi 50%	-,1372000	,0531463	,148	-,312109	,037709
	Fraksi 25%	-,2782667*	,0531463	,003	-,453175	-,103358
	Kontrol Positif	,0438000	,0531463	,917	-,131109	,218709
	Kontrol Negatif	-,7224000*	,0531463	,000	-,897309	-,547491
Fraksi 50%	Fraksi 100%	,1372000	,0531463	,148	-,037709	,312109
	Fraksi 25%	-,1410667	,0531463	,133	-,315975	,033842
	Kontrol Positif	,1810000*	,0531463	,042	,006091	,355909
	Kontrol Negatif	-,5852000*	,0531463	,000	-,760109	-,410291
Fraksi 25%	Fraksi 100%	,2782667*	,0531463	,003	,103358	,453175
	Fraksi 50%	,1410667	,0531463	,133	-,033842	,315975
	Kontrol Positif	,3220667*	,0531463	,001	,147158	,496975
	Kontrol Negatif	-,4441333*	,0531463	,000	-,619042	-,269225
Kontrol Positif	Fraksi 100%	-,0438000	,0531463	,917	-,218709	,131109
	Fraksi 50%	-,1810000*	,0531463	,042	-,355909	-,006091
	Fraksi 25%	-,3220667*	,0531463	,001	-,496975	-,147158
	Kontrol Negatif	-,7662000*	,0531463	,000	-,941109	-,591291
Kontrol Negatif	Fraksi 100%	,7224000*	,0531463	,000	,547491	,897309

Fraksi 50%	,5852000*	,0531463	,000	,410291	,760109
Fraksi 25%	,4441333*	,0531463	,000	,269225	,619042
Kontrol Positif	,7662000*	,0531463	,000	,591291	,941109

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

LAMPIRAN 7

Dokumentasi



Gambar 1. Pengambilan Daun



Gambar 2. Pencucian Daun



Gambar 3. Pengeringan Daun dengan metode menjemur dibawah sinar matahari



Gambar 4. Daun kering



Gambar 5. Proses menghaluskan daun dengan blender menjadi simplisia



Gambar 6. Proses maserasi



Gambar 7. Proses *Rotary evaporator*



Gambar 8. Proses *Waterbath*



Gambar 7. Proses fraksinasi



Gambar 8. Proses *Rotary evaporator*



Gambar 9. Proses *waterbath*



Gambar 10. Proses sterilisasi menggunakan autoklaf



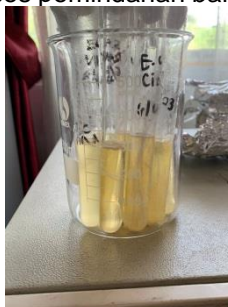
Gambar 11. Proses pembuatan media BBA



Gambar 12. Bakteri di dalam media BBA



Gambar 13. Proses pemindahan bakteri ke media BHI



Gambar 14. Bakteri di dalam media BHI



Gambar 15. Proses *Centrifuge* bakteri



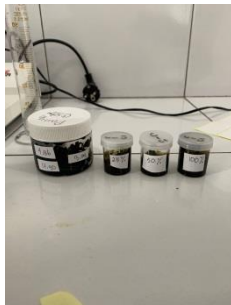
Gambar 16. Bakteri setelah di *Centrifuge*



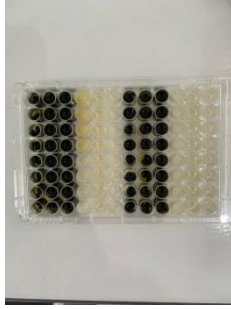
Gambar 17. Proses *Vortex* bakteri



Gambar 18. Proses penyamaan tingkat kekeruhan dengan standar *Mc Farland 10⁸*



Gambar 19. Proses pembuatan konsentrasi fraksi sample



Gambar 20. Pengujian *microplate*

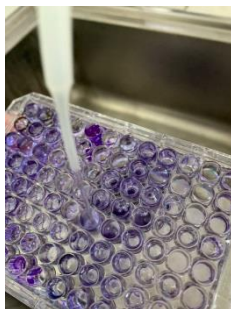


Gambar 21.

Pengujian *microplate* hanya bakteri sebagai kontrol negatif



Gambar 22. Proses inkubasi



Gambar 23. Proses pencucian



Gambar 24. Proses pembacaan microplate



Gambar 25. Media BBA dan BHI

LAMPIRAN 8



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LEMBAR KONSULTASI SKRIPSI

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No.	Tanggal	Materi Bimbingan	Arahan/Masukan	Bukti Konsultasi
1	28 September 2022	Pengarahan dalam pemilihan judul dan menyusun skripsi	Mendownload microsoft team sebagai sarana dalam pengerjaan proposal skripsi	
2	25 Oktober 2022	Penentuan judul	Dikerjakan sesuai dengan KDM	
3	14 desember 2022	Revisi bab 1 dan bab II proposal	Memperbaiki latar belakang dan kerangka teori	
4	20 desember 2022	Revisi bab 3 proposal	Metode penelitian diperbaiki	
5	20 januari 2023	Konsul proposal	Diarahkan untuk maju seminar proposal	
6	1 maret 2023	Pembuatan Ekstrak	Diarahkan agak mendapatkan ekstrak yang lebih kental	
7	20 maret 2023	Pembuatan fraksinasi	Melakukan fraksinasi N-Heksan	
8	15 Juni 2023	Uji Penelitian dan analisis data	Melakukan analisis data menggunakan SPSS	
9	25 Juni 2023	Analisis Data	Menggunakan metode Anova	
10	30 juni 2023	Analisis Data dan Pembahasan	Pembahasan masih kurang lengkap dan perlu ditambahkan	
11	3 Juli 2023	Revisi Skripsi	Melakukan perbaikan	
12	5 Juli 2023	Revisi Skripsi	Melakukan perbaikan	
13	10 Juli 2023	Konsul Skripsi	Diarahkan untuk maju seminar hasil dan belajar agar dapat menguasai materi	

LAMPIRAN 9

SK 1 : Zufiha Citra Utami
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TERHADAP PENGHAMBAT
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