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## LAMPIRAN

Lampiran 1

Master Tabel

| (Kayu Manis) Perlakuan | Ulangan | 20 Menit | 40 Menit | 60 Menit | Total Perpindahan | Suhu | Kelembapan |
|---|---|---|---|---|---|---|---|
| | 1 | 5 | 4 | 2 | 11 | 32,6 | 64 |
| 250 gr | 2 | 8 | 5 | 6 | 19 | 33 | 63 |
| | 3 | 4 | 4 | 4 | 12 | 32,9 | 64 |
| | 1 | 6 | 5 | 5 | 16 | 32,8 | 65 |
| 375 gr | 2 | 8 | 7 | 6 | 21 | 32,7 | 65 |
| | 3 | 5 | 7 | 5 | 17 | 32,9 | 65 |
| | 1 | 9 | 6 | 5 | 20 | 33,2 | 65 |
| 500 gr | 2 | 8 | 5 | 6 | 19 | 33,4 | 63 |
| | 3 | 7 | 7 | 3 | 17 | 33,4 | 63 |
| (SERAI) Perlakuan | Ulangan | 20 Menit | 40 Menit | 60 Menit | Total Perpindahan | Suhu | Kelembapan |
| | 1 | 2 | 1 | 1 | 4 | 32,8 | 66 |
| 250 gr | 2 | 6 | 4 | 3 | 13 | 32,2 | 69 |
| | 3 | 3 | 3 | 3 | 9 | 29,8 | 70 |
| | 1 | 6 | 4 | 2 | 12 | 29,3 | 70 |
| 375 gr | 2 | 9 | 5 | 6 | 20 | 29,8 | 70 |
| | 3 | 6 | 6 | 5 | 17 | 29,7 | 69 |
| | 1 | 7 | 5 | 5 | 17 | 30,8 | 68 |
| 500 gr | 2 | 9 | 6 | 4 | 19 | 31,2 | 68 |
| | 3 | 10 | 7 | 3 | 18 | 32 | 65 |

Lampiran 2

Hasil Uji Statistik

**Tests of Normality**

| | | Kolmogorov-Smirnov[a] | | | Shapiro-Wilk | | |
|---|---|---|---|---|---|---|---|
| | Kelompok | Statistic | df | Sig. | Statistic | df | Sig. |
| Total | KM 250 | .343 | 3 | . | .842 | 3 | .220 |
| | KM 375 | .314 | 3 | . | .893 | 3 | .363 |
| | KM 500 | .253 | 3 | . | .964 | 3 | .637 |
| | SR 250 | .196 | 3 | . | .996 | 3 | .878 |
| | SR 375 | .232 | 3 | . | .980 | 3 | .726 |
| | SR 500 | .253 | 3 | . | .964 | 3 | .637 |

a. Lilliefors Significance Correction

Uji Statistik Homogenitas

**Test of Homogeneity of Variances**

| | | Levene Statistic | df1 | df2 | Sig. |
|---|---|---|---|---|---|
| Total | Based on Mean | 1.287 | 5 | 12 | .332 |
| | Based on Median | .424 | 5 | 12 | .824 |
| | Based on Median and with adjusted df | .424 | 5 | 7.332 | .820 |
| | Based on trimmed mean | 1.208 | 5 | 12 | .363 |

Uji Statistik One Way Anova

**ANOVA**

Total

| | Sum of Squares | df | Mean Square | F | Sig. |
|---|---|---|---|---|---|
| Between Groups | 226.944 | 5 | 45.389 | 4.045 | .022 |
| Within Groups | 134.667 | 12 | 11.222 | | |
| Total | 361.611 | 17 | | | |

Lampiran 3

Ethical Exemtion

Kementerian Kesehatan
Poltekkes Medan
Komisi Etik Penelitian Kesehatan
Jalan Jamin Ginting KM. 13,5
Medan, Sumatera Utara 20137
(061) 8368633
https://poltekkes-medan.ac.id

**KETERANGAN LAYAK ETIK**
*DESCRIPTION OF ETHICAL EXEMPTION*
"ETHICAL EXEMPTION"

No.01.26.4046/KEPK/POLTEKKES KEMENKES MEDAN 2026

Protokol penelitian versi 1 yang diusulkan oleh :
*The research protocol proposed by*

Peneliti utama : TRIANA HERAWATI SARAGIH
*Principal In Investigator*

Nama Institusi : POLTEKKES KEMENKES MEDAN
*Name of the Institution*

Dengan judul:
*Title*
**"PERBANDINGAN KEMAMPUAN DESTILAN KAYU MANIS ( Cinnamon burmannii) Dan SERAI (Cymbopogon citratus) DALAM MENGUSIR LALAT RUMAH (Musca domestica) TAHUN 2026"**

*"COMPARISON OF THE EFFECTIVENESS OF CINNAMON (Cinnamomum burmannii) AND LEMONGRASS (Cymbopogon citratus) DISTILLATES IN REPELLING HOUSE FLIES (Musca domestica) IN 2026"*

Dinyatakan layak etik sesuai 7 (tujuh) Standar WHO 2011, yaitu 1) Nilai Sosial, 2) Nilai Ilmiah, 3) Pemerataan Beban dan Manfaat, 4) Risiko, 5) Bujukan/Eksploitasi, 6) Kerahasiaan dan Privacy, dan 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 Values, 2) Scientific Values, 3) Equitable Assessment and Benefits, 4) Risks, 5) Persuasion/Exploitation, 6) Confidentiality and Privacy, and 7) Informed Concent, referring to the 2016 CIOMS Guidelines. This is as indicated by the fulfillment of the indicators of each standard.*

Pernyataan Laik Etik ini berlaku selama kurun waktu tanggal 05 Oktober 2026 sampai dengan tanggal 05 Oktober 2027.

*This declaration of ethics applies during the period October 05, 2026 until October 05, 2027.*

*October 05, 2026*
*Chairperson,*

Dr. Lestari Rahmah, MKT

Lampiran 4

Dokumentasi



Gambar 1. Pencucian Kayu Manis



Gambar 2. Pencucian Serai



Gambar 3. Pemotongan Kayu Manis



Gambar 4. Pemotongan Serai



Gambar 5. Penimbangan Kayu Manis



Gambar 6. Penimbangan Serai



Gambar 7. Alkohol 20%



Gambar 8. Aquadest



Gambar 9. Pencampuran Bahan Kayu Manis



Gambar 10. Pencampuran Bahan Serai



Gambar 11. Proses Destilasi



Gambar 12. Penangkapan Lalat



Gambar 13. Proses Destilasi



Gambar 14. Proses Perpindahan Lalat



Gambar 15. Destilan Kayu Manis



Gambar 16. Destilan Serai

Lampiran 5

Lembar Bimbingan Skripsi

**KEMENTERIAN KESEHATAN POLITEKNIK KESEHATAN MEDAN**

**JURUSAN KESEHATAN LINGKUNGAN PRODI SARJANA TERAPAN SANITASI LINGKUNGAN**
**TA 2025/2026**

## LEMBAR BIMBINGAN SKRIPSI

Nama Mahasiswa : Triana Herawati Saragih
NIM : P00933222067
Dosen Pembimbing : Teddy Bambang, SKM.M.Kes
Judul Skripsi : Perbandingan Kemampuan Destilan KayuManis dan Serai Dalam Mengusir Lalat Rumah Tahun 2026

| Pertemuan Ke | Hari/ Tanggal | Materi Bimbingan | Tanda Tangan Dosen |
|---|---|---|---|
| 1 | Senin/20-10-2025 | Revisi judul | |
| 2 | Kamis/30-10-2025 | ACC judul | |
| 3 | Jum'at/7-11-2025 | Latar Belakang, Rumusan Msh, Tujuan | |
| 4 | Rabu/05-11-2025 | Konsul BAB I | |
| 5 | Selasa/18-11-2025 | Konsul BAB II | |
| 6 | Senin/24/11-2025 | Revisi BAB II | |
| 7 | Rabu/03/12-2025 | Konsul BAB III | |
| 8 | Senin/08-12-2025 | Revisi | |
| 9 | Jum'at/22-12-2025 | ACC Proposal | |
| 10 | Jum'at/29-12-2025 | Konsul BAB IV | |
| 11 | Rabu/07-06-2026 | Perbaikan BAB IV | |
| 12 | Jum'at/05-06-2026 | Perbaikan BAB V | |
| 13 | Jum'at/05-06-2026 | Konsul BAB V saran | |
| 14 | Selasa/09-06-2026 | Perbaikan BAB V Saran | |
| 15 | Jum'at/19-06-2026 | ACC Seminar Hasil | |
| | | | |
| | | | |

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Kemenkes Poltekkes Medan,

HAESTI SEMBIRING SST,MSc
NIP. 197206181997032003

Lampiran 6

Lembar Perbaikan Seminar Proposal

**LEMBAR PERBAIKAN**
**SEMINAR PROPOSAL SKRIPSI MAHASISWA**
**PRODI SARJANA TERAPAN SANITASI LINGKUNGAN**
**KEMENKES POLTEKKES MEDAN**
**TAHUN AJARAN 2025/2026**

Nama : Triana Herawati Saragih

NIM : P00933222067

| | Hal Yang Disarankan Perbaikan | Disposisi |
|---|---|---|
| **Pembimbing**<br>Teddy | - judul diperbaiki. | 22/12/26 |
| **Penguji I**<br>P. Samuel | - Rumusan masalah diperbaiki<br>- Tujuan Penelitian -<br>- Bab 2b Analisa Data - diperbaiki | |
| **Penguji II**<br>B. Dely S. | - Detail - dipenulisan diperbaiki<br>- Tinjauan Pustaka ditambahkan.<br>- kriteria Sampel di Inklusikan.<br>- Judul diperbaiki | |

Kabanjahe, 16 Desember 2025
Ketua Jurusan Kesehatan Lingkungan

Haesti Sembiring,SST,M.Sc
NIP. 197206181997032003

Lampiran 7

Lembar Pebaikan Seminar Hasil

**LEMBAR PERBAIKAN**
**UJIAN SIDANG SKRIPSI MAHASISWA**
**PRODI SARJANA TERAPAN SANITASI LINGKUNGAN**
**KEMENKES POLTEKKES MEDAN**
**TAHUN AJARAN 2025/2026**

Nama : TRIANA HERAWATI SARAGIH

NIM : P00933222067

| | Hal Yang Disarankan Perbaikan | Disposisi |
|---|---|---|
| **Pembimbing**<br>P. Teddy | - Abstrak<br>- Kesimpulan & Saran | |
| **Penguji I**<br>P. Samuel | - Abstrak . di perbaiki<br>- Kata Pengantar di perbaiki , Daftar Isi<br>- Perbaiki tabel Pengantar.<br>- Kesimpulan dan Saran di perbaiki.<br>- Daftar Pustaka di perbaiki. | |
| **Penguji II**<br>Bu Putri | - Judul di perbaiki. , Lokasi Rumah konversi Pemulicar<br>- Kata kunci di Abstrak diperbaiki<br>- Latar belakang di perbaiki.<br>- DO diperbaiki<br>- Kesimpulan .<br>- Hipotesa diperbaiki<br>- BAB III diperbaiki<br>- Hasil diperbaiki<br>- [illegible] | |

Kabanjahe, 29 Juni 2026
Ketua Jurusan Kesehatan Lingkungan

Haesti Sembiring,SST,M.Sc
NIP. 197206181997032003

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