

## DAFTAR PUSTAKA

- R., & Yulianti, Y. (2022). Hubungan Pengetahuan Tentang Diet Dengan Kepatuhan Dalam Pelaksanaan Diet Pada Penderita Diabetes Mellitus Tipe II di Desa Bojongsari Wilayah Kerja Puskesmas Jampangkulon Kabupaten Sukabumi. *Jurnal Health Society*, 11(2), 36–42. <https://doi.org/10.62094/jhs.v11i2.58>
- Adi, S. (2019). Pengelolaan Dan Pencegahan Diabetes Melitus Tipe 2 Dewasa di Indonesia. *PB Perkeni*, 133.
- Azharuddin, Vijayakumar, C., Nelson, T., Balasubramanian, G., Kumar, N. R., & Singh, R. (2023). A Study on Prevalence, Profile, and Risk Factors of Developing Fungal Infection in Patients With Diabetic Foot Ulcer. *Wound Management and Prevention*, 69(3), 11–17. <https://doi.org/10.25270/wmp.22076>
- Balaji D, B. K. T. H. N. M. G. (2025). A Clinical Study on Correlation of Fungal Infection in Diabetic Foot Ulcer and Its Management. *Journal of Neonatal Surgery*, 14(14S), 516–522.
- Bhavadharini, B., Uma, R., Saravanan, P., & Mohan, V. (2024). The Diagnosis of Gestational Diabetes Mellitus: A Comprehensive Systematic Review. *The International Journal of Medical Science and Health Research*, 1(4), 1–16.
- Devasia, A., John, L. A., Velladath, S. U., Prakash, P. Y., Mohammad, C. A., & Shettigar, K. S. (2022). Bacterial and fungal profile of diabetic foot ulcer. *Biomedicine (India)*, 42(6), 1372–1375. <https://doi.org/10.51248/.V42I6.2438>
- Ge, Y., & Wang, Q. (2023). Current research on fungi in chronic wounds. *Frontiers in Molecular Biosciences*, 9(January), 1–10. <https://doi.org/10.3389/fmolb.2022.1057766>
- Hamzah. (2020). Laporan Riskesdas 2018 Nasional.pdf. In *Lembaga Penerbit Balitbangkes* (pp. 70–75).
- Hani, M. A., Karyawati, T., & Silahudin, M. (2023). Asuhan Keperawatan Pada NY. R Dengan Gangguan Sistem Integumen Post Operasi Debridement : Ulkus Diabetikum Di Ruang Kemuning RSUD Dr. Soeselo Kabupaten Tegal. *Jurnal Mahasiswa Ilmu Kesehatan*, 1(4), 95–107.
- Harris, S., Young, A., Davies, M., Gerstein, H., Green, J., & Skolnik, N. (2020). Person-Centered, Outcomes-Driven Treatment: A New Paradigm for Type 2 Diabetes in Primary Care. *ADA Clinical Compendia*, 2020(2), 1–28. <https://doi.org/10.2337/db2020-02>
- Hartika, H. (2021). Identifikasi Candida sp. pada Ulkus Diabetikum Derajat III dan IV Wagner Secara Makroskopik. *Jurnal Mahasiswa Farmasi Fakultas Kedokteran UNTAN*, 4(1).
- Heck, D. W., Dita, M., Del Ponte, E. M., & Mizubuti, E. S. G. (2021). Incidence, spatial pattern and temporal progress of fusarium wilt of bananas. *Journal of*

*Fungi*, 7(8). <https://doi.org/10.3390/jof7080646>

- Internacional Diabetes Federation. (2023). IDF Diabetes Atlas 10th edition 537 million people worldwide have diabetes. In *IDF Diabetes Atlas* (Vol. 1).
- Kandregula, S., Behura, A., Behera, C. R., Pattnaik, D., Mishra, A., Panda, B., & Mohanty, S. (2022). A Clinical Significance of Fungal Infections in Diabetic Foot Ulcers. *Cureus*, 14(7). <https://doi.org/10.7759/cureus.26872>
- Khasnabis, J., Adhikari, P., Chowdhury, D., Rai, C., & Roy, A. (2017). Incidence of multiple drug resistant *Bacillus cereus* in some popular snacks and sweets sold in Kolkata city, India. *Indian J Microbiol Res*, 4(1), 14–19. <https://doi.org/10.18231/2394-5478>
- Lubis, A. (n.d.). *GROWTH PERFORMANCE OF LACTIC ACID BACTERIA ON SAGA SEED – BASED AGAR : A PLANT-DERIVED ALTERNATIVE TO DE MAN ROGOSA SHARPE MEDIUM*.
- Moulidiya, E. (2025). Diabetic Foot Ulcer menyebabkan komplikasi akut dan kronis serta dikenal sebagai the great imitator . Salah satu Galenical is licensed under a Creative Commons Attribution-ShareAlike Alamat : Islam : Geulanggang Baro. *Jurnal Kedokteran Dan Kesehatan Mahasiswa Malikussaleh*, 4(2), 114–123.
- Nurwulan, D., Hidayatullah, T. A., Nuzula, A. F., & Puspita, R. (2019). Profil Dermatofitosis Superfisialis Periode Januari – Desember 2017 Di Rumah Sakit Islam Aisiyah Malang. *Saintika Medika*, 15(1), 25. <https://doi.org/10.22219/sm.vol15.smumm1.8625>
- Rahmah, L., Noor, V. S., Sari, T. R., & Putra, G. (2025). *Jurnal Biotek*. 13, 85–96.
- Raza, M., & Anurshetru, B. S. (2017). Clinical study of coexistence of fungal infections in diabetic foot ulcers and its management. *International Surgery Journal*, 4(12), 3943. <https://doi.org/10.18203/2349-2902.isj20175157>
- Rosyid, F. N. (2017). Etiology, pathophysiology, diagnosis and management of diabetics' foot ulcer. *International Journal of Research in Medical Sciences*, 5(10), 4206. <https://doi.org/10.18203/2320-6012.ijrms20174548>
- Roza, R. L., Afriant, R., & Edward, Z. (2015). Risk Factors for the Occurrence of Diabetic Ulcers in Diabetes Mellitus Patients Treated Outpatient and Inpatient at Dr. Hospital. M. Djamil and RSI Ibnu Sina Padang. *Jurnal Kesehatan Andalas*, 4(1), 243–248.
- Sari, R. (2022). The Sensitivity of Amphotericin B, Fluconazole, and Flusitosin to Fungal Pathogens Isolated from Wounds of Diabetic Ulcer Patients. *Pharmaceutical Journal of Indonesia*, 7(2), 71–78. <https://doi.org/10.21776/ub.pji.2022.007.02.1>
- Sari, T. R., Habib, D. A., Sembiring, F., Nasution, G. S., & Rahmah, L. (2023). *IDENTIFIKASI BAKTERI Escherichia coli , Shigella sp . DAN Staphylococcus aureus SEBAGAI BIOMARKER CEMARAN PADA*

*SUMBER AIR DAERAH STUNTING DI KELURAHAN BELAWAN SIKANANG , KECAMATAN MEDAN BELAWAN , MEDAN Stunting merupakan keadaan dimana individu memiliki tinggi badan lebih pendek atau tidak sesuai kurva pertumbuhan World Health Organization ( WHO ) sebagai akibat dari asupan nutrisi yang tidak mencukupi dan infeksi berulang yang terjadi dalam 1000 hari pertama atau malnutrisi . Salah satunya adalah kebersihan lingkungan yang berkaitan dengan cemaran ( Argudin et al , 2010 ; Aslam dan Okafor , 2023 ). Bakteri Escherichia coli Enterotoksigenik nutrisi untuk diserap oleh tubuh . Selain itu , toksin yang dikeluarkan bakteri tersebut dapat pula. 11(2), 225–234.*

Sembiring, F., Sari, T. R., Nasution, G. S., Setiyawati, D., & Sufa, H. I. (2024). *Multidrug-resistant Escherichia coli and its role in stunting : evidence from a cross- sectional study in Indonesia*. <https://doi.org/10.3855/jidc.21502>

Yunir, E., Tahapary, D. L., Tarigan, T. J. E., Harbuwono, D. S., Oktavianda, Y. D., Kristanti, M., Iswati, E., Sarumpaet, A., & Soewondo, P. (2021). Non-vascular contributing factors of diabetic foot ulcer severity in national referral hospital of Indonesia. *Journal of Diabetes and Metabolic Disorders*, 20(1), 805–813. <https://doi.org/10.1007/s40200-021-00827-x>

## DAFTAR LAMPIRAN

### Lampiran 1 Surat Izin Penelitian



**Kemenkes**  
Poltekkes Medan

**Kementerian Kesehatan**  
**Direktorat Jenderal**  
**Sumber Daya Manusia Kesehatan**  
Politeknik Kesehatan Medan  
Jalan Jamin Ginting KM. 13.5  
Medan, Sumatera Utara 20136  
(061) 8368633  
<https://poltekkes-medan.ac.id>

Nomor : KH.02.04/F.XXII.12/ 83.1.12026

Perihal : Izin Penelitian

27 Januari 2026

Kepada Yth :  
Bapak / Ibu Pimpinan  
HRD Laboratorium Medis Bunda Thamrin  
Di –  
Tempat

Dengan ini kami sampaikan, dalam rangka penulisan Karya Tulis Ilmiah untuk memenuhi persyaratan Ujian Akhir Program (UAP) Jurusan Teknologi Laboratorium Medis diperlukan penelitian.

Dalam hal ini kami mohon, kiranya Bapak / Ibu bersedia memberi kemudahan terhadap mahasiswa/i kami.

| No | Nama                               | NIM          | Judul Penelitian                                                                                                       | Pembimbing KTI              |
|----|------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 1  | Rara Aulia Nisa<br>Anggreni Sirait | P07534023084 | Gambaran Kadar Mikroalbumin Pada Penderita Diabetes Melitus Di RSU Bunda Thamrin Medan                                 | Liza Mutia SKM,<br>M.Biomed |
| 2  | Intan Nuraini Pohan                | P07534023067 | Gambaran kadar High-Sensitivity C-Reactive protein (hs-CRP) pada penderita Diabetes Melitus Di RSU Bunda Thamrin Medan | Liza Mutia SKM,<br>M.Biomed |
| 3  | Amelia                             | P07534023049 | Karakterisasi Jamur Pada Ulkus Diabetikum Penderita Diabetes Melitus                                                   | Febri Sembiring, S.Si, M.Si |
| 4  | Sartika Rahmayani Harahap          | P07534023088 | Identifikasi Jamur Dermatofita Pada Ulkus Penderita Diabetes Melitus                                                   | Febri Sembiring, S.Si, M.Si |

Untuk Izin Penelitian di Laboratorium Medis Bunda Thamrin Hal-hal yang berhubungan dengan kegiatan tersebut adalah tanggung jawab mahasiswa/i.

Demikianlah surat ini disampaikan, atas bantuan dan kerjasama yang baik diucapkan terima kasih.

Ketua Jurusan TLM



**Nita Andriani Lubis, S.Si, M.Biomed**  
NIP. 198012242009122001




Dokumen ini telah ditandatangani secara elektronik menggunakan sertifikat elektronik yang diterbitkan oleh Balai Besar Sertifikasi Elektronik (BSrE), Badan Siber dan Sandi Negara

**Lampiran 2** Lembar persetujuan untuk mengadakan penelitian

|                                                                                   |                                                                                                                                                                                               |                                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>LABORATORIUM MEDIS BUNDA THAMRIN</b><br>Jln. Sei Batang Hari No. 44, Medan 20121<br>Telp. 061 - 4142819 ( Hunting ) Hp. 0853 6125 9784, 0853 6125 9781<br>Email : cs@labbundathamrin.co.id | <br><small>Komite Akreditasi Nasional<br/>Laboratorium Medik<br/>LM-009-IDN<br/>Terakreditasi SNI ISO 15189 : 2012</small> |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Medan, 01 April 2026

Nomor : 026/SU/DIR - LMBT/0426  
 Hal : Balasan Surat Permohonan Izin Penelitian  
 Lampiran : -

**Kepada Yth,**  
**Ketua Jurusan Teknologi Laboratorium Medis**  
**Program Studi Teknologi Laboratorium Medis**  
**Poltekkes Kemenkes Medan**  
**di**  
**Tempat**

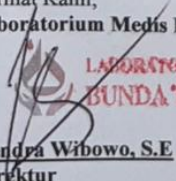
Dengan Hormat,

Menindaklanjuti Surat Permohonan Izin Penelitian Nomor : KH.02.04/F.XXII.83/11/2026 perihal permohonan izin penelitian kepada mahasiswa/i atas nama :

| No | Nama   | NIM          |
|----|--------|--------------|
| 1  | Amelia | P07534023049 |

Bersama ini kami sampaikan bahwa mahasiswa/i tersebut di atas dapat kami terima untuk melaksanakan Penelitian di Laboratorium Medis Bunda Thamrin dalam memenuhi kewajiban/ menyelesaikan studi pada Poltekkes Kemenkes Medan, yang akan melakukan penelitian dengan judul : **Karakterisasi Jamur Pada Ulkus Diabetikum Penderita Diabetes Melitus**. Demikian disampaikan, atas perhatiannya diucapkan terima kasih.

Hormat Kami,  
**Laboratorium Medis Bunda Thamrin**

  
**LABORATORIUM MEDIS BUNDA THAMRIN**  
**Hendra Wibowo, S.E**  
**Direktur**

### Lampiran 3 Ethical Exemption



**Kementerian Kesehatan**  
**Poltekkes Medan**  
**Komisi Etik Penelitian Kesehatan**  
 8 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.01.26.2992/KEPK/POLTEKKES KEMENKES MEDAN 2026

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

Peneliti utama : Peneliti Utama  
*Principal In Investigator*

Nama Institusi : POLTEKKES KEMENKES MEDAN  
 JURUSAN TEKNOLOGI  
 LABORATORIUM MEDIS

*Name of the Institution*

Dengan judul:  
*Title*

**"IDENTIFIKASI JAMUR PADA ULKUS DIABETIKUM PENDERITA DIABETES MELITUS"**

*"IDENTIFICATION OF FUNGUS IN DIABETIC ULCERS IN DIABETES MELLITUS PATIENTS"*

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 Consent, 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 29 Juni 2026 sampai dengan tanggal 29 Juni 2027.

*This declaration of ethics applies during the period June 29, 2026 until June 29, 2027.*

June 29, 2026  
 Chairperson,



Dr. Lestari Rahmah, MKT

**Lampiran 4** Data Hasil Penelitian

| No | Nama | Jenis<br>Kelamin | Hasil   |
|----|------|------------------|---------|
| 1. | MBT  | Perempuan        | Positif |
| 2. | NIMS | Perempuan        | Positif |
| 3. | BH   | Laki Laki        | Positif |
| 4. | AB   | Laki Laki        | Positif |
| 5. | N    | Perempuan        | Positif |

## Lampiran 5 Dokumentasi Penelitian

Penanaman di media SDA



Pewarnaan LCB



Memasukkan NaCl ke  
dalam tabung reaksi



Memasukkan sampel ke alat  
Vitex 2 Compact



## Lampiran 6 Hasil pemeriksaan

[illegible]

| Identifier: 61925-0435-02171<br>Organism Query:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                | Selected Organism: <i>Caecilia tropicis</i>                                                        |                |                      |                |                |               |     |                |               |   |   |           |         |   |            |         |   |                |         |   |               |         |   |               |      |   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------|----------------------|----------------|----------------|---------------|-----|----------------|---------------|---|---|-----------|---------|---|------------|---------|---|----------------|---------|---|---------------|---------|---|---------------|------|---|
| Comments:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                |                                                                                                    |                |                      |                |                |               |     |                |               |   |   |           |         |   |            |         |   |                |         |   |               |         |   |               |      |   |
| <b>Metadata</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                |                                                                                                    |                |                      |                |                |               |     |                |               |   |   |           |         |   |            |         |   |                |         |   |               |         |   |               |      |   |
| <b>Identification Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Card#: YET<br>Status: Final<br>Analysis Time: 17:42 hours      | Expires: Nov 21, 2025 17:40 ICT<br>Completed: Mar 4, 2025 03:54 ICT                                |                |                      |                |                |               |     |                |               |   |   |           |         |   |            |         |   |                |         |   |               |         |   |               |      |   |
| Organism Origin: VITEK® 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                |                                                                                                    |                |                      |                |                |               |     |                |               |   |   |           |         |   |            |         |   |                |         |   |               |         |   |               |      |   |
| Selected Organism: 99% Probability<br>Biocompare: 61925-0424-023771                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                | Confidant: <i>Caecilia tropicis</i><br>Confidencor: Escherichia identification                     |                |                      |                |                |               |     |                |               |   |   |           |         |   |            |         |   |                |         |   |               |         |   |               |      |   |
| Analysis Organisms and Tests to Separate:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                |                                                                                                    |                |                      |                |                |               |     |                |               |   |   |           |         |   |            |         |   |                |         |   |               |         |   |               |      |   |
| Analysis Message:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                |                                                                                                    |                |                      |                |                |               |     |                |               |   |   |           |         |   |            |         |   |                |         |   |               |         |   |               |      |   |
| Controlling/Challenging Type of Bioprocessor(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                |                                                                                                    |                |                      |                |                |               |     |                |               |   |   |           |         |   |            |         |   |                |         |   |               |         |   |               |      |   |
| <b>Metadata</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                |                                                                                                    |                |                      |                |                |               |     |                |               |   |   |           |         |   |            |         |   |                |         |   |               |         |   |               |      |   |
| <b>Interpretable Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Cards: A57-X368<br>Status: Final<br>Analysis Time: 13:17 hours | Expires: Dec 17, 2025 12:00 ICT<br>Completed: Mar 3, 2025 15:18 ICT                                |                |                      |                |                |               |     |                |               |   |   |           |         |   |            |         |   |                |         |   |               |         |   |               |      |   |
| <table border="1"> <thead> <tr> <th>Antimicrobial subcat</th> <th>MIC</th> <th>Interpretation</th> <th>Antimicrobial</th> <th>MIC</th> <th>Interpretation</th> </tr> </thead> <tbody> <tr> <td>Phenoxymethyl</td> <td>1</td> <td>S</td> <td>Micoguard</td> <td>&lt;= 0.06</td> <td>S</td> </tr> <tr> <td>Vancomycin</td> <td>&lt;= 0.12</td> <td>S</td> <td>Amphotericin B</td> <td>&lt;= 0.25</td> <td>S</td> </tr> <tr> <td>ACE® modified</td> <td>&lt;= 0.02</td> <td>S</td> <td>Phenoxymethyl</td> <td>&lt;= 1</td> <td>S</td> </tr> </tbody> </table>                                                                                 |                                                                |                                                                                                    |                | Antimicrobial subcat | MIC            | Interpretation | Antimicrobial | MIC | Interpretation | Phenoxymethyl | 1 | S | Micoguard | <= 0.06 | S | Vancomycin | <= 0.12 | S | Amphotericin B | <= 0.25 | S | ACE® modified | <= 0.02 | S | Phenoxymethyl | <= 1 | S |
| Antimicrobial subcat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MIC                                                            | Interpretation                                                                                     | Antimicrobial  | MIC                  | Interpretation |                |               |     |                |               |   |   |           |         |   |            |         |   |                |         |   |               |         |   |               |      |   |
| Phenoxymethyl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1                                                              | S                                                                                                  | Micoguard      | <= 0.06              | S              |                |               |     |                |               |   |   |           |         |   |            |         |   |                |         |   |               |         |   |               |      |   |
| Vancomycin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <= 0.12                                                        | S                                                                                                  | Amphotericin B | <= 0.25              | S              |                |               |     |                |               |   |   |           |         |   |            |         |   |                |         |   |               |         |   |               |      |   |
| ACE® modified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <= 0.02                                                        | S                                                                                                  | Phenoxymethyl  | <= 1                 | S              |                |               |     |                |               |   |   |           |         |   |            |         |   |                |         |   |               |         |   |               |      |   |
| <p>             * ACE® modified ** ACE® modified *** Blood Ring **** BACTA LiveScan Link ***** Susceptible, using no minimum inhibitory concentration as a general rule for design. If the biofilter confirms that species is a pathogen for design, MIC may be used to reduce interpretation. <b>NOTE:</b> Resistant dose dependent (RDR) implies that susceptibility of an isolate is dependent on the design system used. For better interpretation, please refer to ACE Performance Standards, or Product Information. ** Strong resistant dose -&gt; Susceptible/Confidant for family. *** MIC Suppressed (One Report)           </p> |                                                                |                                                                                                    |                |                      |                |                |               |     |                |               |   |   |           |         |   |            |         |   |                |         |   |               |         |   |               |      |   |
| <b>ACE™ Findings:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                | Last Modified: Nov 12, 2025 10:51 ICT Parameter Set: Global CLSI 2025-based<br>*Natural Resistance |                |                      |                |                |               |     |                |               |   |   |           |         |   |            |         |   |                |         |   |               |         |   |               |      |   |
| Confidence Level:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                | Analysis not performed                                                                             |                |                      |                |                |               |     |                |               |   |   |           |         |   |            |         |   |                |         |   |               |         |   |               |      |   |

Installed VITEK® 2 System Version: 100.1

MIC Interpretation Guidelines: Global CLSI 2025-based

ACE™ Parameter Set Name: Global CLSI 2025-based-Natural

Therapeutic Interpretation Guidelines: NATURAL RESISTANCE

ACE™ Parameter Last Modified: Nov 12, 2025 10:51 ICT

Page 1 of 2

## Lampiran 7 Similarity Tes

| ORIGINALITY REPORT |                                                                                                            |              |                |
|--------------------|------------------------------------------------------------------------------------------------------------|--------------|----------------|
| 18%                | 16%                                                                                                        | 6%           | 12%            |
| SIMILARITY INDEX   | INTERNET SOURCES                                                                                           | PUBLICATIONS | STUDENT PAPERS |
| PRIMARY SOURCES    |                                                                                                            |              |                |
| 1                  | repository.poltekkes-medan.ac.id<br>Internet Source                                                        |              | 6%             |
| 2                  | Submitted to Universitas Islam Negeri Sumatera Utara<br>Student Paper                                      |              | 2%             |
| 3                  | Submitted to Badan PPSDM Kesehatan Kementerian Kesehatan<br>Student Paper                                  |              | 2%             |
| 4                  | ecampus.poltekkes-medan.ac.id<br>Internet Source                                                           |              | 1%             |
| 5                  | repositorynew.poltekkes-mks.ac.id<br>Internet Source                                                       |              | 1%             |
| 6                  | repo.poltekkes-medan.ac.id<br>Internet Source                                                              |              | 1%             |
| 7                  | repo.undiksha.ac.id<br>Internet Source                                                                     |              | <1%            |
| 8                  | Submitted to Politeknik Kesehatan Kemenkes Padang<br>Student Paper                                         |              | <1%            |
| 9                  | poltekkes-pontianak.ac.id<br>Internet Source                                                               |              | <1%            |
| 10                 | Rafli Rafli. "VITAMIN D DAN DISFUNGSI ENDOTEL PADA KAKI DIABETIK", Human Care Journal, 2021<br>Publication |              | <1%            |
| 11                 | dspace.uui.ac.id<br>Internet Source                                                                        |              | <1%            |
| 12                 | eprints.ukmc.ac.id<br>Internet Source                                                                      |              | <1%            |
| 13                 | eprints.poltekkesjogja.ac.id<br>Internet Source                                                            |              | <1%            |
| 14                 | Submitted to Universitas Jember<br>Student Paper                                                           |              | <1%            |
| core.ac.uk         |                                                                                                            |              |                |

# Lampiran 8 Kartu Bimbingan Karya Tulis Ilmiah



**Kementerian Kesehatan**  
**Direktorat Jenderal**  
**Sumber Daya Manusia Kesehatan**

Politeknik Kesehatan Medan

Jalan Jember Lintang KM 3,5  
Medan, Sumatera Utara 20136

Telp. 061-2131111  
<http://www.poltekkes-medan.ac.id>

## PRODI D-III JURUSAN TEKNOLOGI LABORATORIUM MEDIS POLTEKKES KEMENKES MEDAN

### KARTU BIMBINGAN KARYA TULIS ILMIAH T.A 2026

**NAMA** : AMELIA  
**NIM** : P07534023049  
**NAMA DOSEN PEMBIMBING** : Febri Sembiring, S.Si, M.Si  
**JUDUL KTI** : Identifikasi Jamur Pada Ulkus  
Diabetikum Penderita Diabetes Melitus

| No  | Hari/Tanggal Bimbingan  | Materi Bimbingan     | Paraf Dosen Pembimbing |
|-----|-------------------------|----------------------|------------------------|
| 1.  | Senin, 19 Januari 2026  | Pengajuan Judul      |                        |
| 2.  | Selasa, 27 Januari 2026 | ACC Judul            |                        |
| 3.  | Kamis, 5 Februari 2026  | Bimbingan Bab I      |                        |
| 4.  | Rabu, 11 Februari 2026  | Revisi Bab I         |                        |
| 5.  | Jumat, 20 Februari 2026 | Bimbingan Bab II-III |                        |
| 6.  | Selasa, 10 Maret 2026   | Revisi Bab II-III    |                        |
| 7.  | Senin, 30 Maret 2026    | Revisi Bab II-III    |                        |
| 8.  | Selasa, 7 April 2026    | ACC Proposal         |                        |
| 9.  | Rabu, 15 April 2026     | Bimbingan Bab IV-V   |                        |
| 10. | Jumat, 8 Mei 2026       | Revisi Bab IV-V      |                        |
| 11. | Kamis, 21 Mei 2026      | Revisi Bab IV-V      |                        |
| 12. | Rabu, 3 Juni 2026       | ACC KTI              |                        |

**Ketua Jurusan**  
**Teknologi Laboratorium Medis**

**Nita Andriani Lubis S.Si, M.Biomed**  
NIP.198012242009122001

**Medan, 3 Juni 2026**  
**Dosen Pembimbing**

**Febri Sembiring, S.Si, M.Si**  
NIP. 199202102022031002



*Dokumen ini telah ditandatangani secara elektronik menggunakan sertifikat elektronik yang diterbitkan oleh Badan Besar Sertifikasi Elektronik (BSrE), Badan Siber dan Sandi Negara*