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## LAMPIRAN

## Lampiran 1. Surat Ijin Penelitian Ke RS MATA SMEC Medan



**Kemenkes  
Poltekkes Medan**

**Kementerian Kesehatan**  
 Direktorat Jenderal  
 Sumber Daya Manusia Kesehatan  
 Poltekkes Medan  
 Jalan Jamin Giring KM. 13,5  
 Medan, Sumatera Utara 20137  
 ☎ (061) 8168613  
 🌐 <https://poltekkes-medan.ac.id>

Nomor : PP.05.01/215/XIV.15/2026  
 Lampiran : -  
 Perihal : Permohonan Izin Penelitian

25 Februari 2026

Kepada Yth :  
 Direktur RS Mata SMEC Medan  
 Di -  
 Tempat

Dengan hormat,  
 Dalam rangka penyusunan Karya Tulis Ilmiah (KTI) di Jurusan Farmasi Poltekkes Kemenkes Medan, mahasiswa diwajibkan melaksanakan penelitian yang merupakan bagian kurikulum D-III Farmasi. Maka dengan ini kami mohon dapat memberikan izin penelitian di RS Mata SMEC Medan yang Bapak/Ibu pimpin. Adapun nama mahasiswa tersebut adalah:

| NAMA MAHASISWA                            | PEMBIMBING           | JUDUL PENELITIAN                                                              |
|-------------------------------------------|----------------------|-------------------------------------------------------------------------------|
| Della Citra Br Sinaga<br>NIM P07539023078 | Masrah, S.Pd., M.Kes | Analisis Faktor-Faktor Resiko Penyakit katarak Pada ibu di RS Mata SMEC Medan |

Demikianlah kami sampaikan atas kerjasama yang baik kami ucapkan terima kasih.



apt. Nadroh Br. Sitepu, M.Si

Kementerian Kesehatan tidak menerima suap dan/atau gratifikasi dalam bentuk apapun. Jika terdapat potensi suap atau gratifikasi silakan laporkan melalui HALO KEMENKES 1500567 dan <https://halo.kemkes.go.id>. Untuk verifikasi keaslian tanda tangan elektronik, silakan unggah dokumen pada laman <https://ite.kominfo.go.id/verifyPDE>.



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

## Lampiran 2. Surat balasan Ijin Penelitian Dan Surat Selesai Penelitian



### RUMAH SAKIT KHUSUS MATA SMEC

Jl. Iskandar Muda No.278/280, Medan  
Telp : 061-4525058,4518222 Email : [medan@rsmatasmec.com](mailto:medan@rsmatasmec.com)

Medan, 27 April 2026

No : 128/SMEC/DIR/IV/2026  
Hal : Pemberitahuan  
Lamp : -

Kepada Yth,  
Ketua Jurusan Farmasi  
Kemenkes Poltekkes Medan  
Apt. Nadroh Br. Sitepu, M.Si  
Di  
Tempat

Dengan hormat,

Sehubungan dengan surat dari **Kemenkes Poltekkes Medan** No. PP.05.01/215/XIV.15/2026, perihal Permohonan Izin Penelitian untuk mahasiswa yang tersebut dibawah ini :

Nama : Della Citra Br. Sinaga  
NIM : P07539023078  
Judul Penelitian : Analisis Faktor – faktor Resiko Penyakit Katarak Pada Ibu di RS Khusus Mata SMEC Medan.

Dengan ini kami beritahukan bahwa mahasiswa tersebut diatas telah diberikan izin dan telah selesai melakukan Penelitian di Rumah Sakit Khusus Mata SMEC.

Demikian surat pemberitahuan ini kami buat untuk digunakan seperlunya, atas perhatian dan kerjasama yang baik kami ucapkan terima kasih.

Hormat Kami,  
Rumah Sakit Khusus Mata SMEC

  
RUMAH SAKIT KHUSUS MATA  
Dr. Dhar Mayanti, M.Kes  
Direktur

### Lampiran 3. Surat Ethical Clearance

|                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p style="font-size: 1.2em; font-weight: bold; color: #008080;">Kemenkes<br/>Poltekkes Medan</p> | <p style="color: #008080; font-weight: bold;">Kementerian Kesehatan<br/>Poltekkes Medan</p> <p style="font-weight: bold;">Komisi Etik Penelitian Kesehatan</p> <p>📍 Jalan Jamin Ginting KM. 13,5<br/>Medan, Sumatera Utara 20137<br/>☎ (061) 8368633<br/>🌐 <a href="https://poltekkes-medan.ac.id">https://poltekkes-medan.ac.id</a></p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

No.01.26.3393/KEPK/POLTEKKES KEMENKES MEDAN 2026

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

**Peneliti utama** : Della Citra Br Sinaga  
*Principal In Investigator*

**Nama Institusi** : Poltekkes Kemenkes Medan  
*Name of the Institution*

Dengan judul:  
*Title*  
**"ANALISIS FAKTOR-FAKTOR RESIKO PENYAKIT KATARAK PADA IBU DI RS MATA SMEC MEDAN"**  
*"ANALYSIS OF RISK FACTORS FOR CATARACT DISEASE IN MOTHERS AT SMEC EYE HOSPITAL MEDAN"*

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 31 Juli 2026 sampai dengan tanggal 31 Juli 2026.

*This declaration of ethics applies during the period July 31, 2026 until July 31, 2026.*



July 31, 2026  
Chairperson,



Dr. Lestari Rahmah, MKT

**Lampiran 4. Master Tabel**

| Kode Responden | Katarak | Usia | Riwayat Keturunan | Kebiasaan Merokok | Diabetes Militis (DM) | Hipertensi |
|----------------|---------|------|-------------------|-------------------|-----------------------|------------|
| R1             | 1       | 2    | 0                 | 1                 | 1                     | 1          |
| R2             | 0       | 2    | 0                 | 0                 | 0                     | 0          |
| R3             | 0       | 2    | 0                 | 1                 | 0                     | 1          |
| R4             | 1       | 2    | 0                 | 1                 | 1                     | 0          |
| R5             | 1       | 2    | 0                 | 0                 | 1                     | 1          |
| R6             | 0       | 2    | 1                 | 0                 | 0                     | 1          |
| R7             | 1       | 2    | 0                 | 0                 | 1                     | 1          |
| R8             | 0       | 2    | 0                 | 1                 | 0                     | 1          |
| R9             | 1       | 2    | 0                 | 1                 | 1                     | 1          |
| R10            | 0       | 2    | 1                 | 1                 | 1                     | 0          |
| R11            | 1       | 2    | 0                 | 1                 | 1                     | 1          |
| R12            | 1       | 2    | 0                 | 1                 | 1                     | 1          |
| R13            | 0       | 2    | 1                 | 1                 | 0                     | 1          |
| R14            | 1       | 2    | 0                 | 0                 | 1                     | 1          |
| R15            | 1       | 2    | 1                 | 0                 | 1                     | 1          |
| R16            | 0       | 1    | 1                 | 1                 | 0                     | 1          |
| R17            | 1       | 2    | 0                 | 0                 | 1                     | 1          |
| R18            | 0       | 2    | 1                 | 0                 | 0                     | 1          |
| R19            | 1       | 2    | 1                 | 0                 | 1                     | 1          |
| R20            | 1       | 1    | 1                 | 0                 | 1                     | 1          |
| R21            | 1       | 2    | 0                 | 0                 | 1                     | 1          |
| R22            | 1       | 1    | 0                 | 0                 | 1                     | 1          |
| R23            | 0       | 1    | 1                 | 0                 | 0                     | 1          |
| R24            | 0       | 1    | 1                 | 1                 | 0                     | 1          |
| R25            | 0       | 2    | 0                 | 0                 | 0                     | 1          |
| R26            | 1       | 2    | 0                 | 0                 | 0                     | 1          |
| R27            | 1       | 2    | 0                 | 1                 | 1                     | 1          |
| R28            | 1       | 1    | 1                 | 1                 | 0                     | 1          |
| R29            | 0       | 1    | 0                 | 0                 | 0                     | 1          |
| R30            | 0       | 1    | 1                 | 1                 | 0                     | 1          |
| R31            | 0       | 1    | 0                 | 1                 | 1                     | 1          |
| R32            | 1       | 1    | 0                 | 0                 | 1                     | 1          |
| R33            | 1       | 1    | 1                 | 1                 | 1                     | 1          |
| R34            | 0       | 1    | 1                 | 0                 | 0                     | 1          |
| R35            | 1       | 2    | 1                 | 1                 | 1                     | 1          |
| R36            | 1       | 2    | 1                 | 0                 | 1                     | 1          |

| Kode Responden | Katarak | Usia | Riwayat Keturunan | Kebiasaan Merokok | Diabetes Militis (DM) | Hipertensi |
|----------------|---------|------|-------------------|-------------------|-----------------------|------------|
| R37            | 0       | 2    | 0                 | 1                 | 0                     | 0          |
| R38            | 0       | 1    | 1                 | 1                 | 0                     | 1          |
| R39            | 0       | 1    | 1                 | 0                 | 0                     | 0          |
| R40            | 1       | 2    | 1                 | 1                 | 0                     | 1          |
| R41            | 1       | 2    | 1                 | 0                 | 1                     | 1          |
| R42            | 1       | 1    | 1                 | 1                 | 1                     | 0          |
| R43            | 1       | 1    | 0                 | 1                 | 0                     | 0          |
| R44            | 0       | 1    | 0                 | 0                 | 0                     | 1          |
| R45            | 0       | 2    | 0                 | 0                 | 0                     | 1          |
| R46            | 0       | 2    | 0                 | 0                 | 0                     | 0          |
| R47            | 0       | 2    | 0                 | 1                 | 0                     | 0          |
| R48            | 1       | 1    | 1                 | 0                 | 0                     | 1          |
| R49            | 1       | 1    | 1                 | 0                 | 1                     | 1          |
| R50            | 1       | 2    | 0                 | 1                 | 1                     | 1          |
| R51            | 1       | 2    | 0                 | 1                 | 1                     | 1          |
| R52            | 1       | 1    | 1                 | 0                 | 1                     | 1          |
| R53            | 1       | 1    | 1                 | 1                 | 1                     | 1          |
| R54            | 1       | 2    | 1                 | 1                 | 1                     | 1          |
| R55            | 1       | 2    | 1                 | 1                 | 1                     | 1          |
| R56            | 0       | 2    | 1                 | 0                 | 1                     | 1          |
| R57            | 0       | 2    | 0                 | 1                 | 1                     | 1          |
| R58            | 0       | 2    | 0                 | 1                 | 1                     | 1          |
| R59            | 0       | 2    | 1                 | 0                 | 1                     | 1          |
| R60            | 0       | 2    | 1                 | 1                 | 1                     | 1          |
| R61            | 1       | 1    | 1                 | 1                 | 1                     | 1          |
| R62            | 1       | 1    | 1                 | 0                 | 1                     | 1          |
| R63            | 1       | 2    | 0                 | 1                 | 1                     | 1          |
| R64            | 0       | 1    | 0                 | 1                 | 0                     | 1          |
| R65            | 1       | 2    | 0                 | 0                 | 1                     | 1          |
| R66            | 0       | 2    | 1                 | 0                 | 0                     | 0          |
| R67            | 0       | 1    | 1                 | 0                 | 1                     | 1          |
| R68            | 0       | 1    | 0                 | 0                 | 0                     | 1          |
| R69            | 1       | 2    | 1                 | 1                 | 0                     | 1          |
| R70            | 0       | 1    | 0                 | 1                 | 0                     | 0          |
| R71            | 0       | 2    | 1                 | 1                 | 0                     | 1          |
| R72            | 1       | 2    | 1                 | 1                 | 1                     | 1          |
| R73            | 1       | 2    | 0                 | 1                 | 1                     | 1          |
| R74            | 1       | 1    | 0                 | 0                 | 0                     | 1          |

| Kode Responden | Katarak | Usia | Riwayat Keturunan | Kebiasaan Merokok | Diabetes Militis (DM) | Hipertensi |
|----------------|---------|------|-------------------|-------------------|-----------------------|------------|
| R75            | 0       | 1    | 0                 | 1                 | 0                     | 1          |
| R76            | 0       | 2    | 0                 | 1                 | 0                     | 0          |
| R77            | 0       | 2    | 1                 | 0                 | 1                     | 0          |
| R78            | 0       | 2    | 0                 | 1                 | 0                     | 1          |
| R79            | 1       | 1    | 0                 | 1                 | 1                     | 1          |
| R80            | 1       | 1    | 0                 | 0                 | 1                     | 1          |
| R81            | 1       | 2    | 1                 | 1                 | 1                     | 1          |
| R82            | 1       | 1    | 1                 | 0                 | 1                     | 1          |
| R83            | 0       | 1    | 1                 | 0                 | 1                     | 0          |
| R84            | 1       | 2    | 0                 | 1                 | 1                     | 1          |
| R85            | 0       | 2    | 0                 | 1                 | 0                     | 1          |
| R86            | 1       | 2    | 0                 | 0                 | 1                     | 1          |
| R87            | 1       | 2    | 1                 | 1                 | 1                     | 1          |
| R88            | 1       | 2    | 1                 | 0                 | 1                     | 1          |
| R89            | 1       | 2    | 0                 | 1                 | 1                     | 1          |
| R90            | 1       | 1    | 1                 | 0                 | 1                     | 1          |
| R91            | 1       | 2    | 1                 | 1                 | 1                     | 1          |
| R92            | 1       | 2    | 0                 | 1                 | 1                     | 1          |
| R93            | 1       | 2    | 0                 | 0                 | 1                     | 1          |
| R94            | 1       | 2    | 0                 | 1                 | 1                     | 1          |
| R95            | 1       | 2    | 1                 | 0                 | 1                     | 1          |
| R96            | 0       | 1    | 0                 | 0                 | 0                     | 0          |
| R97            | 1       | 1    | 1                 | 1                 | 1                     | 1          |
| R98            | 0       | 2    | 1                 | 1                 | 0                     | 1          |
| R99            | 1       | 2    | 0                 | 0                 | 1                     | 1          |
| R100           | 1       | 2    | 1                 | 0                 | 1                     | 1          |
| R101           | 1       | 2    | 1                 | 0                 | 1                     | 1          |
| R102           | 0       | 2    | 0                 | 0                 | 0                     | 0          |
| R103           | 1       | 2    | 1                 | 0                 | 0                     | 1          |
| R104           | 1       | 2    | 1                 | 0                 | 0                     | 1          |
| R105           | 0       | 2    | 1                 | 1                 | 0                     | 1          |
| R106           | 1       | 1    | 1                 | 1                 | 1                     | 1          |
| R107           | 1       | 1    | 0                 | 1                 | 1                     | 1          |
| R108           | 0       | 2    | 0                 | 0                 | 0                     | 0          |
| R109           | 0       | 2    | 1                 | 0                 | 0                     | 1          |
| R110           | 1       | 2    | 1                 | 1                 | 0                     | 1          |
| R111           | 0       | 2    | 0                 | 0                 | 1                     | 0          |
| R112           | 0       | 2    | 0                 | 1                 | 0                     | 1          |

| Kode Responden | Katarak | Usia | Riwayat Keturunan | Kebiasaan Merokok | Diabetes Militis (DM) | Hipertensi |
|----------------|---------|------|-------------------|-------------------|-----------------------|------------|
| R113           | 0       | 2    | 1                 | 0                 | 0                     | 1          |
| R114           | 0       | 1    | 1                 | 1                 | 1                     | 1          |
| R115           | 1       | 2    | 0                 | 0                 | 1                     | 1          |
| R116           | 1       | 1    | 0                 | 1                 | 1                     | 1          |
| R117           | 1       | 2    | 1                 | 0                 | 1                     | 1          |
| R118           | 0       | 2    | 0                 | 1                 | 1                     | 0          |
| R119           | 1       | 2    | 1                 | 0                 | 1                     | 1          |
| R120           | 0       | 2    | 1                 | 0                 | 0                     | 1          |
| R121           | 1       | 2    | 1                 | 1                 | 1                     | 1          |
| R122           | 0       | 2    | 1                 | 0                 | 0                     | 1          |
| R123           | 1       | 2    | 1                 | 0                 | 1                     | 1          |
| R124           | 1       | 1    | 0                 | 0                 | 1                     | 1          |
| R125           | 1       | 1    | 0                 | 0                 | 1                     | 1          |
| R126           | 0       | 2    | 0                 | 1                 | 0                     | 0          |
| R127           | 0       | 2    | 0                 | 1                 | 0                     | 1          |
| R128           | 1       | 2    | 0                 | 0                 | 0                     | 1          |
| R129           | 1       | 2    | 0                 | 0                 | 1                     | 1          |
| R130           | 0       | 2    | 1                 | 0                 | 0                     | 1          |
| R131           | 0       | 2    | 1                 | 0                 | 0                     | 0          |
| R132           | 0       | 1    | 1                 | 0                 | 0                     | 0          |
| R133           | 1       | 1    | 1                 | 1                 | 1                     | 1          |
| R134           | 1       | 1    | 0                 | 1                 | 0                     | 1          |
| R135           | 0       | 1    | 0                 | 0                 | 0                     | 1          |
| R136           | 1       | 1    | 1                 | 1                 | 1                     | 1          |
| R137           | 1       | 1    | 1                 | 0                 | 1                     | 1          |
| R138           | 1       | 1    | 1                 | 0                 | 1                     | 1          |
| R139           | 1       | 2    | 1                 | 0                 | 1                     | 1          |
| R140           | 0       | 2    | 1                 | 0                 | 0                     | 1          |
| R141           | 0       | 2    | 1                 | 1                 | 0                     | 0          |
| R142           | 0       | 2    | 1                 | 1                 | 0                     | 1          |
| R143           | 0       | 2    | 0                 | 0                 | 0                     | 0          |
| R144           | 1       | 2    | 0                 | 1                 | 1                     | 1          |
| R145           | 0       | 1    | 0                 | 1                 | 1                     | 0          |
| R146           | 1       | 1    | 1                 | 0                 | 0                     | 1          |
| R147           | 0       | 1    | 0                 | 0                 | 0                     | 0          |
| R148           | 0       | 1    | 0                 | 0                 | 0                     | 0          |
| R149           | 0       | 1    | 0                 | 0                 | 1                     | 1          |
| R150           | 0       | 1    | 0                 | 1                 | 1                     | 1          |

| Kode Responden | Katarak | Usia | Riwayat Keturunan | Kebiasaan Merokok | Diabetes Militis (DM) | Hipertensi |
|----------------|---------|------|-------------------|-------------------|-----------------------|------------|
| R151           | 1       | 1    | 1                 | 0                 | 1                     | 1          |
| R152           | 0       | 2    | 0                 | 1                 | 0                     | 1          |
| R153           | 1       | 2    | 1                 | 0                 | 1                     | 1          |
| R154           | 0       | 2    | 1                 | 1                 | 0                     | 1          |
| R155           | 0       | 2    | 1                 | 0                 | 0                     | 1          |
| R156           | 1       | 2    | 1                 | 0                 | 1                     | 1          |
| R157           | 1       | 2    | 0                 | 1                 | 1                     | 1          |
| R158           | 0       | 1    | 1                 | 1                 | 0                     | 1          |
| R159           | 1       | 1    | 1                 | 1                 | 1                     | 1          |
| R160           | 1       | 1    | 0                 | 1                 | 1                     | 0          |
| R161           | 1       | 2    | 0                 | 0                 | 1                     | 1          |
| R162           | 1       | 2    | 0                 | 0                 | 1                     | 0          |
| R163           | 1       | 2    | 0                 | 1                 | 1                     | 1          |
| R164           | 0       | 2    | 1                 | 1                 | 0                     | 1          |
| R165           | 1       | 2    | 1                 | 0                 | 1                     | 0          |

## Lampiran 5. Hasil Analisis Menggunakan SPSS

### Analisis Univariat

#### Frequencies

| Notes                  |                                |                                                                                                                                                                                                                 |
|------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Output Created         |                                | 18-APR-2026 16:16:31                                                                                                                                                                                            |
| Comments               |                                |                                                                                                                                                                                                                 |
| Input                  | Active Dataset                 | DataSet0                                                                                                                                                                                                        |
|                        | Filter                         | <none>                                                                                                                                                                                                          |
|                        | Weight                         | <none>                                                                                                                                                                                                          |
|                        | Split File                     | <none>                                                                                                                                                                                                          |
|                        | N of Rows in Working Data File | 165                                                                                                                                                                                                             |
| Missing Value Handling | Definition of Missing          | User-defined missing values are treated as missing.                                                                                                                                                             |
|                        | Cases Used                     | Statistics are based on all cases with valid data.                                                                                                                                                              |
| Syntax                 |                                | FREQUENCIES<br>VARIABLES=KATARAK USIA<br>RIWAYAT_KETURUNAN<br>KEBIASAAN_MEROKOK<br>DIABETES_MILITUS<br>HIPERTENSI<br>/STATISTICS=STDDEV<br>MINIMUM MAXIMUM MEAN<br>MEDIAN<br>/BARCHART FREQ<br>/ORDER=ANALYSIS. |
| Resources              | Processor Time                 | 00:00:00,67                                                                                                                                                                                                     |
|                        | Elapsed Time                   | 00:00:00,52                                                                                                                                                                                                     |

### Statistics

|                |         | KATARAK | USIA | RIWAYAT<br>KETURUNAN | KEBIASAAN<br>MEROKOK | DIABETES<br>MILITUS |
|----------------|---------|---------|------|----------------------|----------------------|---------------------|
| N              | Valid   | 165     | 165  | 165                  | 165                  | 165                 |
|                | Missing | 0       | 0    | 0                    | 0                    | 0                   |
| Mean           |         | .56     | 1.64 | .52                  | .48                  | .58                 |
| Median         |         | 1.00    | 2.00 | 1.00                 | .00                  | 1.00                |
| Std. Deviation |         | .497    | .481 | .501                 | .501                 | .495                |
| Minimum        |         | 0       | 1    | 0                    | 0                    | 0                   |
| Maximum        |         | 1       | 2    | 1                    | 1                    | 1                   |

### Statistics

#### HIPERTENSI

|                |         |      |
|----------------|---------|------|
| N              | Valid   | 165  |
|                | Missing | 0    |
| Mean           |         | .82  |
| Median         |         | 1.00 |
| Std. Deviation |         | .387 |
| Minimum        |         | 0    |
| Maximum        |         | 1    |

## Frequency Table

### KATARAK

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | TIDAK KATARAK | 72        | 43.6    | 43.6          | 43.6               |
|       | KATARAK       | 93        | 56.4    | 56.4          | 100.0              |
|       | Total         | 165       | 100.0   | 100.0         |                    |

### USIA

|       |       | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------|-----------|---------|---------------|--------------------|
| Valid | <45   | 59        | 35.8    | 35.8          | 35.8               |
|       | >46   | 106       | 64.2    | 64.2          | 100.0              |
|       | Total | 165       | 100.0   | 100.0         |                    |

### RIWAYAT KETURUNAN

|       |                             | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-----------------------------|-----------|---------|---------------|--------------------|
| Valid | TIDAK ADA RIWAYAT KETURUNAN | 80        | 48.5    | 48.5          | 48.5               |
|       | ADA RIWAYAT KETURUNAN       | 85        | 51.5    | 51.5          | 100.0              |
|       | Total                       | 165       | 100.0   | 100.0         |                    |

### KEBIASAAN MEROKOK

|       |                             | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-----------------------------|-----------|---------|---------------|--------------------|
| Valid | TIDAK ADA KEBIASAAN MEROKOK | 85        | 51.5    | 51.5          | 51.5               |
|       | ADA KEBIASAAN MEROKOK       | 80        | 48.5    | 48.5          | 100.0              |
|       | Total                       | 165       | 100.0   | 100.0         |                    |

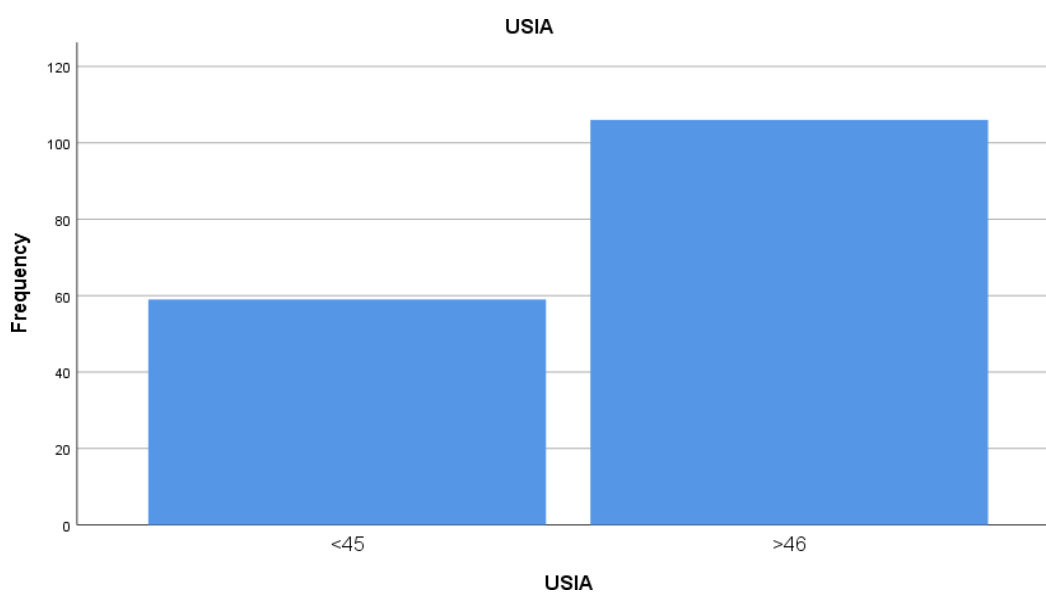
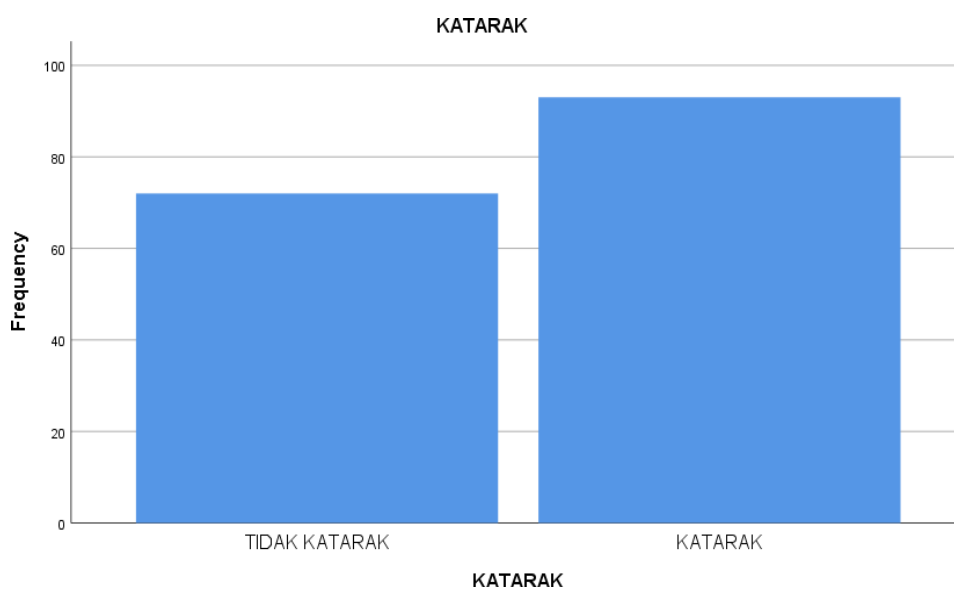
**DIABETES MILITUS**

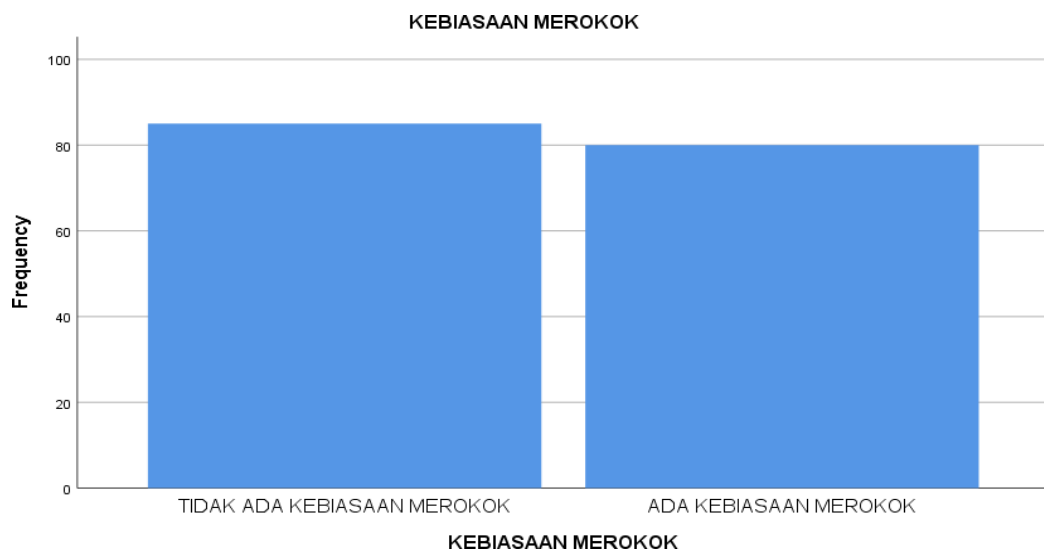
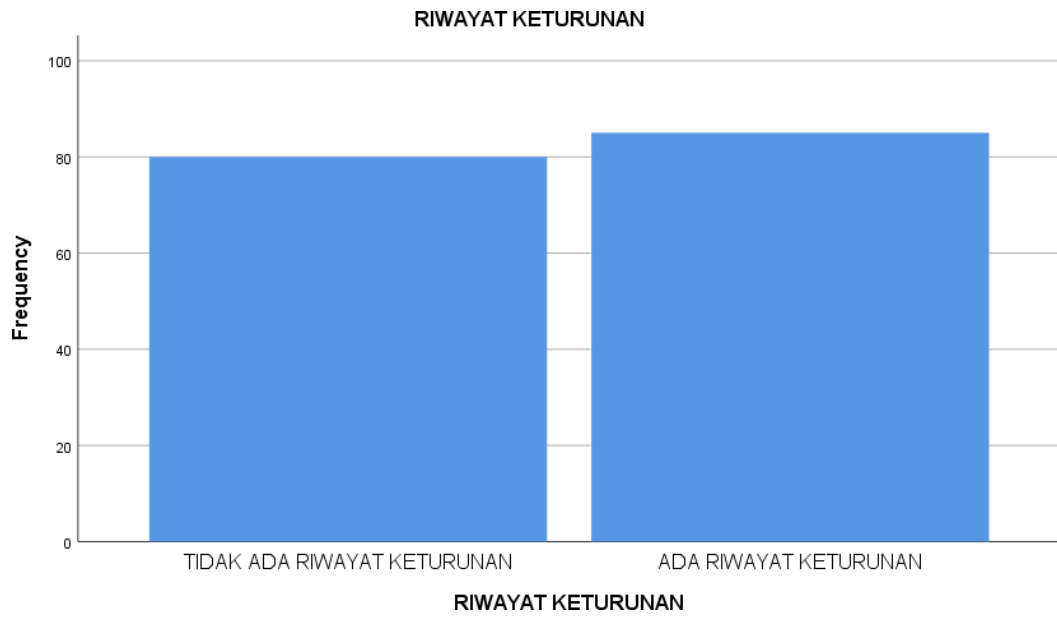
|       |                                       | Frequency | Percent | Valid Percent | Cumulative<br>Percent |
|-------|---------------------------------------|-----------|---------|---------------|-----------------------|
| Valid | TIDAK ADA RIWAYAT<br>DIABETES MILITUS | 69        | 41.8    | 41.8          | 41.8                  |
|       | ADA RIWAYAT DIABETES<br>MILITUS       | 96        | 58.2    | 58.2          | 100.0                 |
|       | Total                                 | 165       | 100.0   | 100.0         |                       |

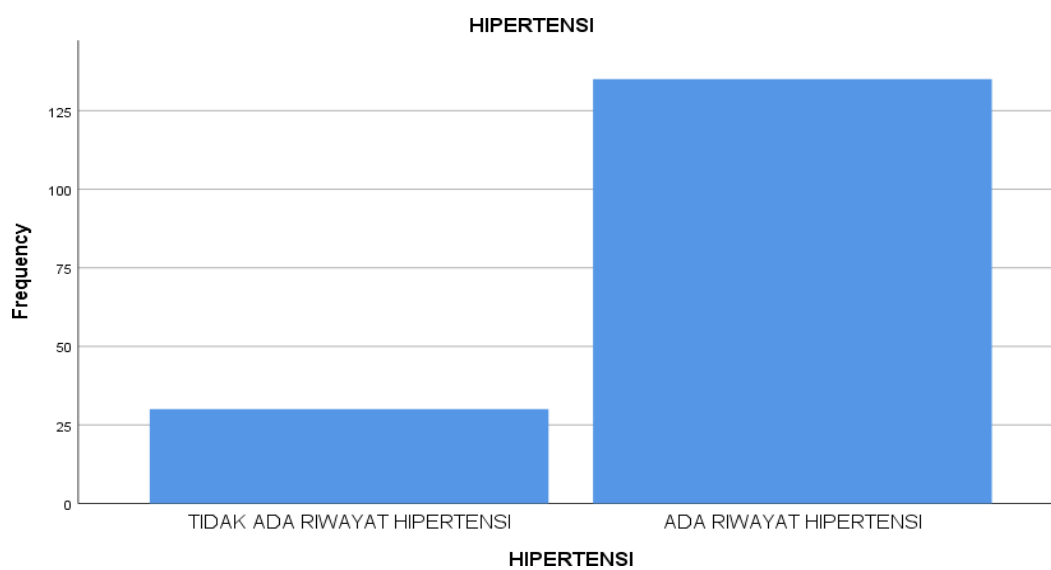
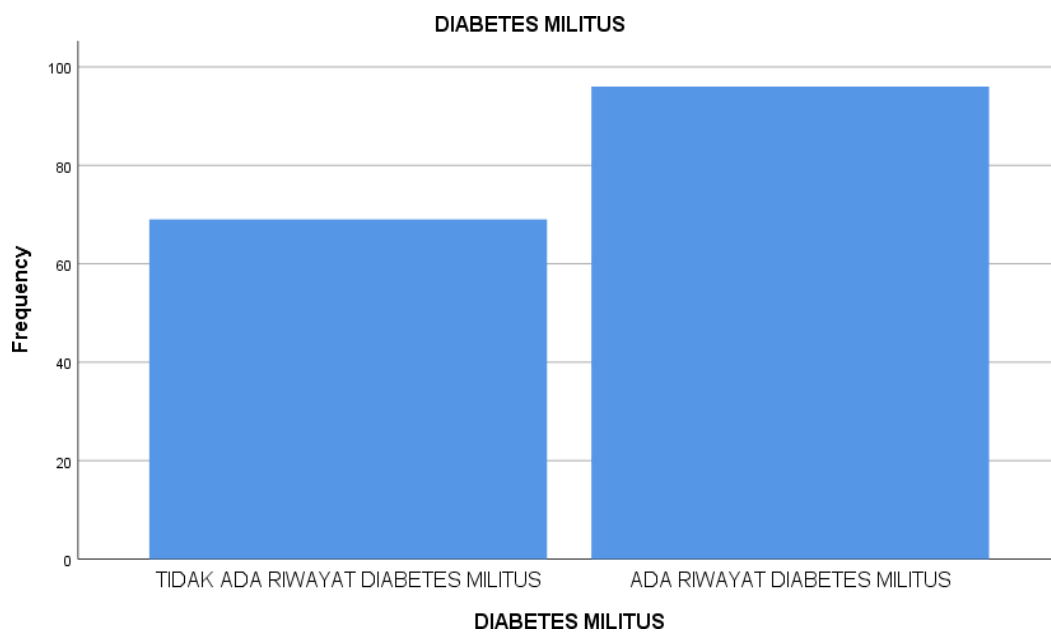
**HIPERTENSI**

|       |                                 | Frequency | Percent | Valid Percent | Cumulative<br>Percent |
|-------|---------------------------------|-----------|---------|---------------|-----------------------|
| Valid | TIDAK ADA RIWAYAT<br>HIPERTENSI | 30        | 18.2    | 18.2          | 18.2                  |
|       | ADA RIWAYAT<br>HIPERTENSI       | 135       | 81.8    | 81.8          | 100.0                 |
|       | Total                           | 165       | 100.0   | 100.0         |                       |

## Bar Chart







## Analisis Bivariat

**Crosstabs****Notes**

|                        |                                |                                                                                                                                                                                                           |
|------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Output Created         |                                | 18-APR-2026 15:50:27                                                                                                                                                                                      |
| Comments               |                                |                                                                                                                                                                                                           |
| Input                  | Active Dataset                 | DataSet0                                                                                                                                                                                                  |
|                        | Filter                         | <none>                                                                                                                                                                                                    |
|                        | Weight                         | <none>                                                                                                                                                                                                    |
|                        | Split File                     | <none>                                                                                                                                                                                                    |
|                        | N of Rows in Working Data File | 165                                                                                                                                                                                                       |
| Missing Value Handling | Definition of Missing          | User-defined missing values are treated as missing.                                                                                                                                                       |
|                        | Cases Used                     | Statistics for each table are based on all the cases with valid data in the specified range(s) for all variables in each table.                                                                           |
| Syntax                 |                                | CROSSTABS<br>/TABLES=KATARAK BY USIA<br>RIWAYAT_KETURUNAN<br>KEBIASAAN_MEROKOK<br>DIABETES_MILITUS<br>HIPERTENSI<br>/FORMAT=AVALUE TABLES<br>/STATISTICS=CHISQ RISK<br>/CELLS=COUNT<br>/COUNT ROUND CELL. |
| Resources              | Processor Time                 | 00:00:00,00                                                                                                                                                                                               |
|                        | Elapsed Time                   | 00:00:00,00                                                                                                                                                                                               |
|                        | Dimensions Requested           | 2                                                                                                                                                                                                         |
|                        | Cells Available                | 524245                                                                                                                                                                                                    |

[DataSet0]

### Case Processing Summary

|                             | Valid |         | Cases Missing |         | Total |         |
|-----------------------------|-------|---------|---------------|---------|-------|---------|
|                             | N     | Percent | N             | Percent | N     | Percent |
| KATARAK * USIA              | 165   | 100.0%  | 0             | 0.0%    | 165   | 100.0%  |
| KATARAK * RIWAYAT KETURUNAN | 165   | 100.0%  | 0             | 0.0%    | 165   | 100.0%  |
| KATARAK * KEBIASAAN MEROKOK | 165   | 100.0%  | 0             | 0.0%    | 165   | 100.0%  |
| KATARAK * DIABETES MILITUS  | 165   | 100.0%  | 0             | 0.0%    | 165   | 100.0%  |
| KATARAK * HIPERTENSI        | 165   | 100.0%  | 0             | 0.0%    | 165   | 100.0%  |

### KATARAK \* USIA

#### Crosstab

| Count   |               | USIA |     |   | Total |
|---------|---------------|------|-----|---|-------|
|         |               | <45  | >46 | 3 |       |
| KATARAK | TIDAK KATARAK | 26   | 45  | 1 | 72    |
|         | KATARAK       | 33   | 60  | 0 | 93    |
| Total   |               | 59   | 105 | 1 | 165   |

#### Chi-Square Tests

|                              | Value              | df | Asymptotic Significance (2-sided) |
|------------------------------|--------------------|----|-----------------------------------|
| Pearson Chi-Square           | 1.322 <sup>a</sup> | 2  | .516                              |
| Likelihood Ratio             | 1.689              | 2  | .430                              |
| Linear-by-Linear Association | .010               | 1  | .921                              |
| N of Valid Cases             | 165                |    |                                   |
|                              |                    |    |                                   |

**KATARAK \* RIWAYAT KETURUNAN****Crosstab**

|         |               | RIWAYAT KETURUNAN                 |                          | Total |
|---------|---------------|-----------------------------------|--------------------------|-------|
|         |               | TIDAK ADA<br>RIWAYAT<br>KETURUNAN | ADA RIWAYAT<br>KETURUNAN |       |
| KATARAK | TIDAK KATARAK | 36                                | 36                       | 72    |
|         | KATARAK       | 44                                | 49                       | 93    |
| Total   |               | 80                                | 85                       | 165   |

**Chi-Square Tests**

|                                    | Value             | df | Asymptotic<br>Significance (2-<br>sided) | Exact Sig.<br>(2-<br>sided) | Exact Sig.<br>(1-<br>sided) |
|------------------------------------|-------------------|----|------------------------------------------|-----------------------------|-----------------------------|
| Pearson Chi-Square                 | .117 <sup>a</sup> | 1  | .732                                     |                             |                             |
| Continuity Correction <sup>b</sup> | .034              | 1  | .853                                     |                             |                             |
| Likelihood Ratio                   | .117              | 1  | .732                                     |                             |                             |
| Fisher's Exact Test                |                   |    |                                          | .756                        | .426                        |
| Linear-by-Linear Association       | .117              | 1  | .733                                     |                             |                             |
| N of Valid Cases                   | 165               |    |                                          |                             |                             |

### Risk Estimate

#### KATARAK \* KEBIASAAN MEROKOK

##### Crosstab

| Count   |               | KEBIASAAN MEROKOK              |                             | Total |
|---------|---------------|--------------------------------|-----------------------------|-------|
|         |               | TIDAK ADA<br>KEBIASAAN MEROKOK | ADA<br>KEBIASAAN<br>MEROKOK |       |
| KATARAK | TIDAK KATARAK | 36                             | 36                          | 72    |
|         | KATARAK       | 49                             | 44                          | 93    |
| Total   |               | 85                             | 80                          | 165   |

##### Chi-Square Tests

|                                    | Value             | df | Asymptotic<br>Significance (2-<br>sided) | Exact Sig.<br>(2-<br>sided) | Exact Sig.<br>(1-<br>sided) |
|------------------------------------|-------------------|----|------------------------------------------|-----------------------------|-----------------------------|
| Pearson Chi-Square                 | .117 <sup>a</sup> | 1  | .732                                     |                             |                             |
| Continuity Correction <sup>b</sup> | .034              | 1  | .853                                     |                             |                             |
| Likelihood Ratio                   | .117              | 1  | .732                                     |                             |                             |
| Fisher's Exact Test                |                   |    |                                          | .756                        | .426                        |
| Linear-by-Linear Association       | .117              | 1  | .733                                     |                             |                             |
| N of Valid Cases                   | 165               |    |                                          |                             |                             |

### Risk Estimate

### KATARAK \* DIABETES MILITUS

#### Crosstab

| Count   |               | DIABETES MILITUS                         |                                 | Total |
|---------|---------------|------------------------------------------|---------------------------------|-------|
|         |               | TIDAK ADA RIWAYAT<br>DIABETES<br>MILITUS | ADA RIWAYAT<br>DIABETES MILITUS |       |
| KATARAK | TIDAK KATARAK | 56                                       | 16                              | 72    |
|         | KATARAK       | 13                                       | 80                              | 93    |
| Total   |               | 69                                       | 96                              | 165   |

#### Chi-Square Tests

|                                    | Value               | df | Asymptotic<br>Significance (2-<br>sided) | Exact Sig.<br>(2-<br>sided) | Exact Sig.<br>(1-<br>sided) |
|------------------------------------|---------------------|----|------------------------------------------|-----------------------------|-----------------------------|
| Pearson Chi-Square                 | 67.891 <sup>a</sup> | 1  | .000                                     |                             |                             |
| Continuity Correction <sup>b</sup> | 65.294              | 1  | .000                                     |                             |                             |
| Likelihood Ratio                   | 72.772              | 1  | .000                                     |                             |                             |
| Fisher's Exact Test                |                     |    |                                          | .000                        | .000                        |
| Linear-by-Linear Association       | 67.479              | 1  | .000                                     |                             |                             |
| N of Valid Cases                   | 165                 |    |                                          |                             |                             |

**KATARAK \* HIPERTENSI****Crosstab**

| Count   |               | HIPERTENSI                   |                        | Total |
|---------|---------------|------------------------------|------------------------|-------|
|         |               | TIDAK ADA RIWAYAT HIPERTENSI | ADA RIWAYAT HIPERTENSI |       |
| KATARAK | TIDAK KATARAK | 24                           | 48                     | 72    |
|         | KATARAK       | 6                            | 87                     | 93    |
| Total   |               | 30                           | 135                    | 165   |

**Chi-Square Tests**

|                                    | Value               | df | Asymptotic<br>Significance<br>(2-<br>sided) | Exact Sig.<br>(2-<br>sided) | Exact Sig.<br>(1-<br>sided) |
|------------------------------------|---------------------|----|---------------------------------------------|-----------------------------|-----------------------------|
| Pearson Chi-Square                 | 19.713 <sup>a</sup> | 1  | .000                                        |                             |                             |
| Continuity Correction <sup>b</sup> | 17.948              | 1  | .000                                        |                             |                             |
| Likelihood Ratio                   | 20.314              | 1  | .000                                        |                             |                             |
| Fisher's Exact Test                |                     |    |                                             | .000                        | .000                        |
| Linear-by-Linear Association       | 19.594              | 1  | .000                                        |                             |                             |
| N of Valid Cases                   | 165                 |    |                                             |                             |                             |

## Lampiran 6. Dokumentasi Penelitian

Foto RS Mata SMEC Medan



# Lampiran 7. Kartu Bimbingan KTI



## KARTU LAPORAN PERTEMUAN BIMBINGAN KTI MAHASISWA T. A. 2025/2026

Nama : Della Citra br Sinaga  
NIM : 207539023078  
Pembimbing : Masrah S.Pd M.Kes



| NO | TGL                 | PERTE<br>MUAN | PEMBAHASAN                | PARAF<br>PEMBIMBING |
|----|---------------------|---------------|---------------------------|---------------------|
| 1  | 10/10 <sup>25</sup> | 1             | Diskusi Judul KTI         | Mst                 |
| 2  | 25/10 <sup>25</sup> | 2             | ACC Judul KTI             | Mst                 |
| 3  | 10/12 <sup>25</sup> | 3             | Diskusi Bab I, II, III    | Mst                 |
| 4  | 23/12 <sup>25</sup> | 4             | Revisi KTI BAB I, II, III | Mst                 |
| 5  | 18/1 <sup>26</sup>  | 5.            | ACC Proposal KTI          | Mst                 |
| 6  | 18/3 <sup>26</sup>  | 6.            | Melakukan Penelitian      | Mst                 |
| 7  | 6/6 <sup>26</sup>   | 7.            | Diskusi Bab IV dan V      | Mst                 |
| 8  | 10/6 <sup>26</sup>  | 8.            | Revisi Bab IV dan V       | Mst                 |
| 9  | 12/6 <sup>26</sup>  | 9.            | ACC BAB IV dan V          | Mst                 |
| 10 | 9/7 <sup>26</sup>   | 10            | ACC KTI                   | Mst                 |
| 11 |                     |               |                           |                     |
| 12 |                     |               |                           |                     |

Ketua

Nadrah Br Sitepu, M. Si.  
NIP. 198007112015032002

## Lampiran 8. Hasil Cek Turnitin

### Cek Turnitin

#### Della citra br sinaga

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