



Berita Acara Aktivitas Pembelajaran

Mata Kuliah : MPR6201 Karakteristik Fluida Reservoir Kelas : TP-A (01)

Ruang : AD 04 Ismet Akil Dosen : 3196 Kartika Fajarwati Hartono, S.T., M.T.

Hari : Monday NIDN-NIK Dosen : 0303028801-3196/Usakti

Waktu : 13:00:00 - 14:50:00 Periode : Genap 2024/2025 (R)

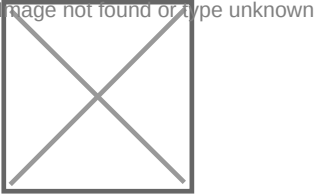
| Sesi Ke | Tanggal    | Waktu       | Jenis Sesi | Aktivitas                                                                                                             | Tugas Mahasiswa                                                                      | Evaluasi                                                  | Hdr | Skt | Alp | Dsp |
|---------|------------|-------------|------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------|-----|-----|-----|-----|
| 1       | 03-03-2025 | 13:00-13:00 | Tatap Muka | Introduction to Reservoir Fluid                                                                                       | Diskusi dan tanya                                                                    | Baik dan tertib                                           | 14  | 0   | 1   | 0   |
| 2       | 17-03-2025 | 13:00-13:00 | Tatap Muka | Classification Reservoir Type (Phase Diagram): Undersaturated oil, volatile, wet gas, dry gas, retrograde, condensate | Diskusi, tanya jawab, exercise TUGAS 1: PROBLEM 1. Ahmed Tarek 3rd Edition, Page 27. | Baik dan Tertib                                           | 12  | 0   | 3   | 0   |
| 3       | 19-03-2025 | 16:00-16:00 | Tatap Muka | Properties of Reservoir Fluid (FVF, viscosity, Rs, density, dll); Behavior of Ideal Gas                               | Diskusi dan Exercise                                                                 | Mahasiswa aktif diskusi dan bertanya                      | 10  | 1   | 4   | 0   |
| 4       | 24-03-2025 | 13:00-13:00 | Tatap Muka | Behavior of Real Gas (Z Compressibility Factor), Density, etc                                                         | Exercise Ahmed Tarek Page 126-127, Problems 1-5                                      | Diskusi Aktif dan Exercise                                | 14  | 1   | 0   | 0   |
| 5       | 25-03-2025 | 15:00-15:00 | Tatap Muka | Exercise Ahmed Tarek 3rd Edition Page 126-127, Problems 1-5.                                                          | Exercise and discussion                                                              | Active (due submission 14 April 2025)                     | 15  | 0   | 0   | 0   |
| 6       | 14-04-2025 | 13:00-13:00 | Tatap Muka | Calculation Ideal and Real Gas                                                                                        | Exercise, diskusi, dan pembahasan                                                    | Diskusi aktif dan tanya jawab                             | 11  | 2   | 2   | 0   |
| 7       | 16-04-2025 | 13:00-13:00 | Tatap Muka | Effect of Non-Hydrocarbon on Z-Factor                                                                                 | Diskusi dan Paparan Materi                                                           | Diskusi aktif                                             | 12  | 0   | 1   | 0   |
| 8       | 21-04-2025 | 13:00-13:00 | Tatap Muka | Ujian Tengah Semester                                                                                                 | Ujian, Open cheatsheet 1 Page                                                        | Ujian berjalan lancar dan tertib                          | 14  | 1   | 0   | 0   |
| 9       | 28-04-2025 | 13:00-13:00 | Tatap Muka | Crude Oil Systems                                                                                                     | Diskusi dan tanya jawab                                                              | Baik dan tertib                                           | 13  | 0   | 1   | 0   |
| 10      | 05-05-2025 | 19:00-19:00 | Tatap Muka | Empirical Correlations Pb, Bo, Viscosity, Density, Rs, etc                                                            | Diskusi dan tanya jawab                                                              | Diskusi aktif                                             | 12  | 0   | 3   | 0   |
| 11      | 19-05-2025 | 00:00-00:00 | Tatap Muka | Exercise Empirical Correlation for Crude Oil Properties - Ahmed Tarek                                                 | Problems Exercise                                                                    | All students have to submit their work on due 26 May 2025 | 15  | 0   | 0   | 0   |
| 12      | 26-05-2025 | 13:00-13:00 | Tatap Muka | Assignment Ahmed Tarek Problems 9, 10, 11                                                                             | Exercise submit 26 Mei 2025 to email                                                 | Submission Due 26 Mei 2025 to email                       | 15  | 0   | 0   | 0   |
| 13      | 02-06-2025 | 13:00-13:00 | Tatap Muka | Viscosity Empirical Correlation for Dead Oil, Saturated, and Undersaturated Oil                                       | Diskusi dan Tanya Jawab                                                              | Diskusi Aktif                                             | 13  | 0   | 2   | 0   |
| 14      | 23-06-2025 | 13:00-13:00 | Tatap Muka | Laboratory test of reservoir fluid. Constant-Composition Expansion (CCE), Differential Liberation, dll                | Menyimak, diskusi, dan tanya jawab                                                   | Diskusi aktif                                             | 11  | 0   | 4   | 0   |
| 15      | 27-06-2025 | 00:00-00:00 | Tatap Muka | Kisi-Kisi Final Exam                                                                                                  | Exercise                                                                             | Baik dan lancar                                           | 15  | 0   | 0   | 0   |
| 16      | 01-07-2025 | 00:00-00:00 | Tatap Muka | Ujian Akhir Semester                                                                                                  | Ujian                                                                                | Tertib dan lancar                                         | 14  | 0   | 1   | 0   |

Jakarta, 05-08-2025

Dosen Pengasuh

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3196 Kartika Fajarwati Hartono, S.T., M.T.



PROGRAM STUDI TEKNIK PERMINYAKAN  
FAKULTAS TEKNOLOGI KEBUMIHAN DAN ENERGI  
UNIVERSITAS TRISAKTI

KAMPUS A GEDUNG D LT 5 KABAG TU FTKE Jakarta Barat DKI Jakarta  
Telp: 62-21-5663232  
Email: ftke@trisakti.ac.id

Daftar Hadir Mahasiswa

Mata Kuliah : MPR6201 Karakteristik Fluida Reservoir Kelas : TP-A (01)

Ruang : AD 04 Ismet Akil Dosen : 3196 Kartika Fajarwati Hartono, S.T., M.T.

Hari : Monday NIDN-NIK Dosen : 0303028801-3196/Usakti

Waktu : 13:00:00 - 14:50:00 Periode : Genap 2024/2025 (R)

| No           | NIM          | Nama Mahasiswa             | 1<br>03-03-2025<br>01:00 | 2<br>17-03-2025<br>01:00 | 3<br>19-03-2025<br>04:00 | 4<br>24-03-2025<br>01:00 | 5<br>25-03-2025<br>03:00 | 6<br>14-04-2025<br>01:00 | 7<br>16-04-2025<br>01:00 | 8<br>21-04-2025<br>01:00 | 9<br>28-04-2025<br>01:00 | 10<br>05-05-2025<br>07:00 | 11<br>19-05-2025<br>12:00 | 12<br>26-05-2025<br>01:00 | 13<br>02-06-2025<br>01:00 | 14<br>23-06-2025<br>01:00 | 15<br>27-06-2025<br>12:00 | 16<br>01-07-2025<br>12:00 |
|--------------|--------------|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| 1            | 071002100042 | REYHAN DAFFA IZARDY        | Hdr                      | Alp                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Ijn                      | Hdr                      | Hdr                      | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       |
| 2            | 071002200027 | DANIEL SATRIA SUPRAYOGI    | Hdr                      | Alp                      | Hdr                      | Hdr                      | Hdr                      | Skt                      | Hdr                      | Hdr                      | Hdr                      | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       |
| 3            | 071002300025 | RANDIS TANUARTA            | Hdr                      | Hdr                      | Skt                      | Hdr                      | Hdr                      | Skt                      | Hdr                      | Hdr                      | Alp                      | Alp                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       |
| 4            | 071002300054 | RAYHAN ARYA MAHENDRA       | Hdr                      | Alp                      | Alp                      | Hdr                      | Hdr                      | Alp                      | Alp                      | Hdr                      | Hdr                      | Alp                       | Hdr                       | Hdr                       | Alp                       | Alp                       | Hdr                       | Hdr                       |
| 5            | 071002400001 | CHRISTANYA GRACIA RORONG   | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       |
| 6            | 071002400004 | BATARA AMBALANGI BANNÉ     | Hdr                      | Hdr                      | Alp                      | Hdr                      | Hdr                      | Hdr                      | Ijn                      | Hdr                      | Hdr                      | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       |
| 7            | 071002400005 | BRITNEY KUMAMBOW           | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       |
| 8            | 071002400009 | GENOVIA LOVEINDA TJUNG     | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       |
| 9            | 071002400017 | NINA KARENINA WAHONO       | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       |
| 10           | 071002400019 | SALSABILA KEISYA OKTAVIANI | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Ijn                      | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       |
| 11           | 071002400029 | RALEX JUANTINO             | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Alp                       | Hdr                       | Hdr                       |
| 12           | 071002400030 | RANIA IHDINA TRI MAESA     | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       |
| 13           | 071002400031 | DAFFA ARIEF WAHYUDI        | Alp                      | Hdr                      | Alp                      | Skt                      | Hdr                      | Alp                      | Hdr                      | Skt                      | Hdr                      | Alp                       | Hdr                       | Hdr                       | Alp                       | Alp                       | Hdr                       | Alp                       |
| 14           | 071002400055 | RIZKY CHAIRUDDIN           | Hdr                      | Hdr                      | Alp                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Hdr                       |
| 15           | 071002400056 | NABILA DESVA AURELIA       | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                      | Hdr                       | Hdr                       | Hdr                       | Hdr                       | Alp                       | Hdr                       | Hdr                       |
| Jumlah Hadir |              |                            | 14                       | 12                       | 10                       | 14                       | 15                       | 11                       | 12                       | 14                       | 13                       | 12                        | 15                        | 15                        | 13                        | 11                        | 15                        | 14                        |

Tidak dibenarkan menambahkan peserta kuliah

Jakarta, 05-08-2025

Dosen Pengasuh

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3196 Kartika Fajarwati Hartono, S.T., M.T.

|                 |  |                                              |  |
|-----------------|--|----------------------------------------------|--|
|                 |  | DAFTAR NILAI                                 |  |
| Nama Matakuliah |  | : MPR6201-Karakteristik Fluida Reservoir     |  |
| sks             |  | : 2.00                                       |  |
| Dosen Pengampu  |  | : 3196 Kartika Fajarwati Hartono, S.T., M.T. |  |
| NIDN-NIK        |  | : 0303028801-3196/Usakti                     |  |
| Semester        |  | : Genap 2024/2025 (R)                        |  |

| No | Nama Mahasiswa             | NIM          | Prev. Grade | Kehadiran % | KAD: (1) Mahasiswa dapat memahami dan menjelaskan konsep dasar dari karakteristik fluida hidrokarbon secara kualitatif |                            | KAD: (1) Mahasiswa dapat memahami dan menjelaskan konsep dasar dari karakteristik fluida hidrokarbon secara kuantitatif |                            | KAD: (1) Mahasiswa dapat memahami dan menjelaskan konsep dasar dari sifat fasa gas |                            | KAD: (1) Mahasiswa dapat memahami dan menjelaskan konsep dasar dari air formasi |                            | KAD: (1) Mahasiswa dapat memahami dan menjelaskan konsep dasar dari sifat fasa gas |                            | KAD: (1) Mahasiswa dapat memahami dan menjelaskan konsep dasar dari sifat fasa zat cair |                            | KAD: (1) Mahasiswa dapat memahami dan menjelaskan konsep dasar dari karakteristik fluida hidrokarbon secara kualitatif |                            | KAD: (1) Mahasiswa dapat memahami dan menjelaskan konsep dasar dari karakteristik fluida hidrokarbon secara kuantitatif |                            | KAD: (1) Mahasiswa dapat memahami dan menjelaskan konsep dasar dari air formasi |                            | KAD    | KAD   | Nilai Akhir |                                                                |                             |                                                                 |                             |
|----|----------------------------|--------------|-------------|-------------|------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------|----------------------------|-----------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------|----------------------------|--------|-------|-------------|----------------------------------------------------------------|-----------------------------|-----------------------------------------------------------------|-----------------------------|
|    |                            |              |             |             | PI: Mahasiswa dapat memahami dan menjelaskan konsep dasar dari karakteristik fluida hidrokarbon secara kualitatif      |                            | PI: Mahasiswa dapat memahami dan menjelaskan konsep dasar dari karakteristik fluida hidrokarbon secara kuantitatif      |                            | PI: Mahasiswa dapat memahami dan menjelaskan konsep dasar dari sifat fasa gas      |                            | PI: Mahasiswa dapat memahami dan menjelaskan konsep dasar dari air formasi      |                            | PI: Mahasiswa dapat memahami dan menjelaskan konsep dasar dari sifat fasa gas      |                            | PI: Mahasiswa dapat memahami dan menjelaskan konsep dasar dari sifat fasa zat cair      |                            | PI: Mahasiswa dapat memahami dan menjelaskan konsep dasar dari karakteristik fluida hidrokarbon secara kualitatif      |                            | PI: Mahasiswa dapat memahami dan menjelaskan konsep dasar dari karakteristik fluida hidrokarbon secara kuantitatif      |                            | PI: Mahasiswa dapat memahami dan menjelaskan konsep dasar dari air formasi      |                            |        |       |             |                                                                |                             |                                                                 |                             |
|    |                            |              |             |             | Presentasi 1<br>Entried by : Kartika Fajarwati Hartono                                                                 |                            | Presentasi 2<br>Entried by : Kartika Fajarwati Hartono                                                                  |                            | Quiz 1<br>Entried by : Kartika Fajarwati Hartono                                   |                            | Quiz 2<br>Entried by : Kartika Fajarwati Hartono                                |                            | Tugas 1<br>Entried by : Kartika Fajarwati Hartono                                  |                            | Tugas 2<br>Entried by : Kartika Fajarwati Hartono                                       |                            | Tugas 3<br>Entried by : Kartika Fajarwati Hartono                                                                      |                            | Tugas 4<br>Entried by : Kartika Fajarwati Hartono                                                                       |                            | Tugas 5<br>Entried by : Kartika Fajarwati Hartono                               |                            |        |       |             | Ujian Akhir Semester<br>Entried by : Kartika Fajarwati Hartono |                             | Ujian Tengah Semester<br>Entried by : Kartika Fajarwati Hartono |                             |
|    |                            |              |             |             | Student Raw Mark (Total Mark : 100.00)                                                                                 | Mark (Percentage : 5.00 %) | Student Raw Mark (Total Mark : 100.00)                                                                                  | Mark (Percentage : 5.00 %) | Student Raw Mark (Total Mark : 100.00)                                             | Mark (Percentage : 7.50 %) | Student Raw Mark (Total Mark : 100.00)                                          | Mark (Percentage : 7.50 %) | Student Raw Mark (Total Mark : 100.00)                                             | Mark (Percentage : 5.00 %) | Student Raw Mark (Total Mark : 100.00)                                                  | Mark (Percentage : 5.00 %) | Student Raw Mark (Total Mark : 100.00)                                                                                 | Mark (Percentage : 5.00 %) | Student Raw Mark (Total Mark : 100.00)                                                                                  | Mark (Percentage : 5.00 %) | Student Raw Mark (Total Mark : 100.00)                                          | Mark (Percentage : 5.00 %) |        |       |             | Student Raw Mark (Total Mark : 100.00)                         | Mark (Percentage : 25.00 %) | Student Raw Mark (Total Mark : 100.00)                          | Mark (Percentage : 25.00 %) |
| 1  | REYHAN DAFFA IZARDY        | 071002100042 | E           | 87.50       | 70.00                                                                                                                  | 3.50                       | 70.00                                                                                                                   | 3.50                       | 70.00                                                                              | 5.25                       | 70.00                                                                           | 5.25                       | 70.00                                                                              | 3.50                       | 60.00                                                                                   | 3.00                       | 60.00                                                                                                                  | 3.00                       | 70.00                                                                                                                   | 3.50                       | 60.00                                                                           | 3.00                       | 50.00  | 12.50 | 56.00       | 14.00                                                          | 60.00                       |                                                                 |                             |
| 2  | DANIEL SATRIA SUPRAYOGI    | 071002200027 | E           | 87.50       | 60.00                                                                                                                  | 3.00                       | 56.00                                                                                                                   | 2.80                       | 56.00                                                                              | 4.20                       | 56.00                                                                           | 4.20                       | 56.00                                                                              | 2.80                       | 56.00                                                                                   | 2.80                       | 56.00                                                                                                                  | 2.80                       | 75.00                                                                                                                   | 3.75                       | 20.00                                                                           | 5.00                       | 20.00  | 5.00  | 39.00       | 39.00                                                          | 39.00                       |                                                                 |                             |
| 3  | RANDIS TANUARTA            | 071002300025 | E           | 75.00       | 60.00                                                                                                                  | 3.00                       | 56.00                                                                                                                   | 2.80                       | 0.00                                                                               | 0.00                       | 0.00                                                                            | 0.00                       | 0.00                                                                               | 0.00                       | 0.00                                                                                    | 0.00                       | 0.00                                                                                                                   | 0.00                       | 75.00                                                                                                                   | 3.75                       | 23.00                                                                           | 5.75                       | 20.00  | 5.00  | 20.00       | 5.00                                                           | 20.00                       |                                                                 |                             |
| 4  | RAYHAN ARYA MAHENDRA       | 071002300054 |             | 56.25       | 60.00                                                                                                                  | 3.00                       | 56.00                                                                                                                   | 2.80                       | 0.00                                                                               | 0.00                       | 0.00                                                                            | 0.00                       | 0.00                                                                               | 0.00                       | 80.00                                                                                   | 4.00                       | 0.00                                                                                                                   | 0.00                       | 0.00                                                                                                                    | 0.00                       | 0.00                                                                            | 0.00                       | 0.00   | 0.00  | 25.00       | 6.25                                                           | 16.00                       |                                                                 |                             |
| 5  | CHRISTANYA GRACIA RORONG   | 071002400001 |             | 100.00      | 70.00                                                                                                                  | 3.50                       | 70.00                                                                                                                   | 3.50                       | 80.00                                                                              | 6.00                       | 80.00                                                                           | 6.00                       | 80.00                                                                              | 4.00                       | 80.00                                                                                   | 4.00                       | 78.00                                                                                                                  | 3.90                       | 80.00                                                                                                                   | 4.00                       | 75.00                                                                           | 3.75                       | 57.00  | 14.25 | 28.00       | 7.00                                                           | 59.00                       |                                                                 |                             |
| 6  | BATARA AMBALANGI BANNE     | 071002400004 |             | 87.50       | 70.00                                                                                                                  | 3.50                       | 70.00                                                                                                                   | 3.50                       | 80.00                                                                              | 6.00                       | 78.00                                                                           | 5.85                       | 78.00                                                                              | 3.90                       | 80.00                                                                                   | 4.00                       | 80.00                                                                                                                  | 4.00                       | 80.00                                                                                                                   | 4.00                       | 75.00                                                                           | 3.75                       | 30.00  | 7.50  | 34.00       | 8.50                                                           | 54.00                       |                                                                 |                             |
| 7  | BRITNEY KUMAMBOW           | 071002400005 |             | 100.00      | 85.00                                                                                                                  | 4.25                       | 80.00                                                                                                                   | 4.00                       | 85.00                                                                              | 6.38                       | 85.00                                                                           | 6.38                       | 85.00                                                                              | 4.25                       | 80.00                                                                                   | 4.00                       | 90.00                                                                                                                  | 4.50                       | 85.00                                                                                                                   | 4.25                       | 75.00                                                                           | 3.75                       | 57.00  | 14.25 | 45.00       | 11.25                                                          | 67.00                       |                                                                 |                             |
| 8  | GENOVIA LOVEINDA TJUNG     | 071002400009 |             | 100.00      | 85.00                                                                                                                  | 4.25                       | 80.00                                                                                                                   | 4.00                       | 85.00                                                                              | 6.38                       | 85.00                                                                           | 6.38                       | 85.00                                                                              | 4.25                       | 80.00                                                                                   | 4.00                       | 90.00                                                                                                                  | 4.50                       | 85.00                                                                                                                   | 4.25                       | 75.00                                                                           | 3.75                       | 100.00 | 25.00 | 85.00       | 21.25                                                          | 88.00                       |                                                                 |                             |
| 9  | NINA KARENINA WAHONO       | 071002400017 |             | 100.00      | 80.00                                                                                                                  | 4.00                       | 80.00                                                                                                                   | 4.00                       | 85.00                                                                              | 6.38                       | 83.00                                                                           | 6.23                       | 83.00                                                                              | 4.15                       | 80.00                                                                                   | 4.00                       | 87.00                                                                                                                  | 4.35                       | 85.00                                                                                                                   | 4.25                       | 75.00                                                                           | 3.75                       | 88.00  | 22.00 | 80.00       | 20.00                                                          | 83.00                       |                                                                 |                             |
| 10 | SALSABILA KEISYA OKTAVIANI | 071002400019 |             | 93.75       | 80.00                                                                                                                  | 4.00                       | 75.00                                                                                                                   | 3.75                       | 80.00                                                                              | 6.00                       | 75.00                                                                           | 5.63                       | 75.00                                                                              | 3.75                       | 80.00                                                                                   | 4.00                       | 78.00                                                                                                                  | 3.90                       | 80.00                                                                                                                   | 4.00                       | 75.00                                                                           | 3.75                       | 68.00  | 17.00 | 67.00       | 16.75                                                          | 72.00                       |                                                                 |                             |
| 11 | RALEX JUANTINO             | 071002400029 |             | 93.75       | 70.00                                                                                                                  | 3.50                       | 70.00                                                                                                                   | 3.50                       | 78.00                                                                              | 5.85                       | 75.00                                                                           | 5.63                       | 75.00                                                                              | 3.75                       | 80.00                                                                                   | 4.00                       | 80.00                                                                                                                  | 4.00                       | 78.00                                                                                                                   | 3.90                       | 75.00                                                                           | 3.75                       | 41.00  | 10.25 | 27.00       | 6.75                                                           | 54.00                       |                                                                 |                             |
| 12 | RANIA IHDINA TRI MAESA     | 071002400030 |             | 100.00      | 80.00                                                                                                                  | 4.00                       | 75.00                                                                                                                   | 3.75                       | 85.00                                                                              | 6.38                       | 80.00                                                                           | 6.00                       | 80.00                                                                              | 4.00                       | 80.00                                                                                   | 4.00                       | 85.00                                                                                                                  | 4.25                       | 85.00                                                                                                                   | 4.25                       | 75.00                                                                           | 3.75                       | 89.00  | 22.25 | 65.00       | 16.25                                                          | 78.00                       |                                                                 |                             |
| 13 | DAFFA ARIEF WAHYUDI        | 071002400031 |             | 43.75       | 60.00                                                                                                                  | 3.00                       | 56.00                                                                                                                   | 2.80                       | 0.00                                                                               | 0.00                       | 0.00                                                                            | 0.00                       | 0.00                                                                               | 0.00                       | 0.00                                                                                    | 0.00                       | 0.00                                                                                                                   | 0.00                       | 0.00                                                                                                                    | 0.00                       | 0.00                                                                            | 0.00                       | 0.00   | 0.00  | 0.00        | 0.00                                                           | 5.00                        |                                                                 |                             |
| 14 | RIZKY CHAIRUDDIN           | 071002400055 |             | 93.75       | 80.00                                                                                                                  | 4.00                       | 80.00                                                                                                                   | 4.00                       | 78.00                                                                              | 5.85                       | 80.00                                                                           | 6.00                       | 80.00                                                                              | 4.00                       | 80.00                                                                                   | 4.00                       | 78.00                                                                                                                  | 3.90                       | 78.00                                                                                                                   | 3.90                       | 75.00                                                                           | 3.75                       | 53.00  | 13.25 | 50.00       | 12.50                                                          | 65.00                       |                                                                 |                             |
| 15 | NABILA DESVA AURELIA       | 071002400056 |             | 93.75       | 80.00                                                                                                                  | 4.00                       | 80.00                                                                                                                   | 4.00                       | 82.00                                                                              | 6.15                       | 78.00                                                                           | 5.85                       | 78.00                                                                              | 3.90                       | 80.00                                                                                   | 4.00                       | 83.00                                                                                                                  | 4.15                       | 82.00                                                                                                                   | 4.10                       | 75.00                                                                           | 3.75                       | 85.00  | 21.25 | 50.00       | 15.00                                                          | 76.00                       |                                                                 |                             |

Keterangan:

| Range Nilai Angka | Nilai Huruf |
|-------------------|-------------|
| 80.00 - 100.00    | A           |
| 77.00 - 79.99     | A-          |
| 74.00 - 76.99     | B+          |
| 68.00 - 73.99     | B           |

|               |    |
|---------------|----|
| 65.00 - 67.99 | B- |
| 62.00 - 64.99 | C+ |
| 56.00 - 61.99 | C  |
| 45.00 - 55.99 | D  |



PROGRAM STUDI TEKNIK PERMINYAKAN  
FAKULTAS TEKNOLOGI KEBUMIHAN DAN ENERGI  
UNIVERSITAS TRISAKTI

KAMPUS A GEDUNG D LT 5 KABAG TU FTKE Jakarta Barat DKI Jakarta  
Telp: 62-21-5663232  
Email: ftke@trisakti.ac.id

Berita Acara Aktivitas Pembelajaran

Mata Kuliah : MPP6307 Pengelolaan Fasilitas Produksi Migas Kelas : TP-A (01)  
Ruang : A1-204 Dosen : 3196 Kartika Fajarwati Hartono, S.T., M.T.  
Hari : Tuesday NIDN-NIK Dosen : 0303028801-3196/Usakti  
Waktu : 13:00:00 - 15:50:00 Periode : Genap 2024/2025 (R)

| Sesi Ke | Tanggal    | Waktu       | Jenis Sesi | Aktivitas                                                              | Tugas Mahasiswa                                                | Evaluasi                                    | Hdr | Skt | Alp | Dsp |
|---------|------------|-------------|------------|------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------|-----|-----|-----|-----|
| 1       | 18-02-2025 | 13:00-13:00 | Tatap Muka | Introduction to Surface Facilities Material, RPS, Kontrak Kuliah       | Diskusi dan tanya jawab                                        | Baik dan tertib                             | 4   | 0   | 2   | 0   |
| 2       | 25-02-2025 | 13:00-13:00 | Tatap Muka | Separator Part I                                                       | Diskusi dan tanya jawab                                        | Baik                                        | 1   | 1   | 3   | 0   |
| 3       | 04-03-2025 | 13:00-13:00 | Tatap Muka | Separator Part 2 (Fundamental phase separation)                        | Diskusi, tanya jawab, latihan soal                             | Baik dan tertib                             | 3   | 0   | 3   | 0   |
| 4       | 11-03-2025 | 13:00-13:00 | Tatap Muka | Desain Separator Part I                                                | Exercise, Diskusi, dan Tanya Jawab                             | Baik dan Lancar                             | 5   | 0   | 1   | 0   |
| 5       | 18-03-2025 | 12:30-12:30 | Tatap Muka | Desain Separator II                                                    | Exercise dan Solution Pembahasan tugas                         | Mahasiswa diskusi aktif                     | 5   | 0   | 1   | 0   |
| 6       | 26-03-2025 | 15:00-15:00 | Tatap Muka | Dehydration Process (Fundamental and Mechanisms)                       | Mahasiswa mendengarkan kuliah, materi, case, dan diskusi aktif | Mahasiswa bertanya dan diskusi aktif        | 5   | 0   | 1   | 0   |
| 7       | 15-04-2025 | 13:00-13:00 | Tatap Muka | Review Materi Basic Separation, Desain separator, dehydration concept. | Diskusi dan tanya jawab                                        | Aktif dan Tertib                            | 4   | 1   | 1   | 0   |
| 8       | 22-04-2025 | 13:00-13:00 | Tatap Muka | Ujian Tengah Semester                                                  | Ujian, Open CheatSheet 1 Page only                             | Ujian dilaksanakan dengan lancar dan tertib | 5   | 0   | 1   | 0   |
| 9       | 29-04-2025 | 13:30-13:30 | Tatap Muka | Absorber/Dehydrator Design                                             | Diskusi, tanya jawab, dan menyimak                             | Diskusi aktif                               | 5   | 0   | 1   | 0   |

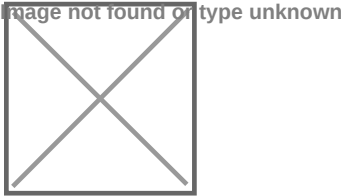
|    |            |             |                       |                                                                |                                    |                                                    |   |   |   |   |
|----|------------|-------------|-----------------------|----------------------------------------------------------------|------------------------------------|----------------------------------------------------|---|---|---|---|
| 10 | 06-05-2025 | 00:00-00:00 | Tatap Muka            | Exercise Dehydrator Desain                                     | Exercise mendesain absorber tower  | Tugas dikumpulkan Selasa/6 Mei 2025 ke Sekretariat | 5 | 0 | 1 | 0 |
| 11 | 13-05-2025 | 13:00-13:00 | Tatap Muka            | Reading assignment - Water Treating                            | Reading assignment                 | Tugas dan diskusi                                  | 5 | 0 | 1 | 0 |
| 12 | 20-05-2025 | 00:00-00:00 | Tatap Muka            | Problem Solving Dehydrator Design Exercise                     | Diskusi dan problem solving        | Diskusi aktif                                      | 5 | 0 | 1 | 0 |
| 13 | 03-06-2025 | 13:00-13:00 | Tatap Muka            | Water Treating - Basic Concept: Gravity, Coalesence, Flotation | Menyimak, diskusi, dan tanya jawab | Diskusi Aktif                                      | 5 | 0 | 1 | 0 |
| 14 | 10-06-2025 | 13:30-13:30 | Tatap Muka            | Water Treating - Skimmer vessels design                        | Menyimak, Exercise, tanya jawab    | Diskusi Aktif                                      | 5 | 0 | 1 | 0 |
| 15 | 22-04-2025 | 13:00-13:00 | Ujian Tengah Semester | Hadir dalam pelaksanaan ujian                                  | Mahasiswa mengerjakan soal ujian   | Pelaksanaan ujian berjalan dengan tertib           | 5 | 0 | 1 | 0 |
| 16 | 24-06-2025 | 13:00-13:00 | Ujian Akhir Semester  | Hadir dalam pelaksanaan ujian                                  | Mahasiswa mengerjakan soal ujian   | Pelaksanaan ujian berjalan dengan tertib           | 5 | 0 | 1 | 0 |

Jakarta, 05-08-2025

Dosen Pengasuh

ttd

3196 Kartika Fajarwati Hartono, S.T., M.T.



PROGRAM STUDI TEKNIK PERMINYAKAN  
FAKULTAS TEKNOLOGI KEBUMIHAN DAN ENERGI  
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Telp: 62-21-5663232  
Email: ftke@trisakti.ac.id

Daftar Hadir Mahasiswa

Mata Kuliah : MPP6307 Pengelolaan Fasilitas Produksi Migas Kelas : TP-A (01)  
Ruang : A1-204 Dosen : 3196 Kartika Fajarwati Hartono, S.T., M.T.  
Hari : Tuesday NIDN-NIK Dosen : 0303028801-3196/Usakti  
Waktu : 13:00:00 - 15:50:00 Periode : Genap 2024/2025 (R)

| No           | NIM          | Nama Mahasiswa          | 1          | 2          | 3          | 4          | 5          | 6          | 7          | 8          | 9          | 10         | 11         | 12         | 13         | 14         |
|--------------|--------------|-------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|              |              |                         | 18-02-2025 | 25-02-2025 | 04-03-2025 | 11-03-2025 | 18-03-2025 | 26-03-2025 | 15-04-2025 | 22-04-2025 | 29-04-2025 | 06-05-2025 | 13-05-2025 | 20-05-2025 | 03-06-2025 | 10-06-2025 |
|              |              |                         | 01:00      | 01:00      | 01:00      | 01:00      | 12:30      | 03:00      | 01:00      | 01:00      | 01:30      | 12:00      | 01:00      | 12:00      | 01:00      | 01:30      |
| 1            | 071002000043 | VELERIE A ORNO          | Alp        | Skt        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        |
| 2            | 071002100025 | LEONARDS DESY DAYANTRI  | NA         | NA         | Alp        | Hdr        | Hdr        | Hdr        | Skt        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        |
| 3            | 071002100047 | SOFYANA LORENZA BINTANG | Hdr        | Hdr        | Alp        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        |
| 4            | 071002200056 | MUHAMMAD NANDA BAYU     | NA         | NA         | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        |
| 5            | 071002200057 | MAIKEL NUH NOEL EREGUA  | NA         | NA         | Alp        | Alp        | Alp        | Alp        | Alp        | Alp        | Alp        | Alp        | Alp        | Alp        | Alp        | Alp        |
| 6            | 071002300037 | MUHAMMAD DZAKI ARKAAN   | Hdr        | ljn        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        |
| Jumlah Hadir |              |                         | 2          | 1          | 3          | 5          | 5          | 5          | 4          | 5          | 5          | 5          | 5          | 5          | 5          | 5          |

Tidak dibenarkan menambahkan peserta kuliah

Jakarta, 05-08-2025  
Dosen Pengasuh

ttd



DAFTAR NILAI

Nama Matakuliah

: MPP6307-Pengelolaan Fasilitas Produksi Migas

sks

: 3.00

Dosen Pengampu

: 3196 Kartika Fajarwati Hartono, S.T., M.T.

NIDN-NIK

: 0303028801-3196/Usakti

Semester

: Genap 2024/2025 (R)

| No | NPM          | Nama Mahasiswa          | Tugas |         | Ujian Tengah Semester |         | Ujian Akhir Semester |         | Nilai Total | Huruf | Status |
|----|--------------|-------------------------|-------|---------|-----------------------|---------|----------------------|---------|-------------|-------|--------|
|    |              |                         | Nilai | 50.00 % | Nilai                 | 25.00 % | Nilai                | 25.00 % |             |       |        |
| 1  | 071002300037 | MUHAMMAD DZAKI ARKAAN   | 85.00 | 42.50   | 85.00                 | 21.25   | 75.00                | 18.75   | 82.50       | A     | Pass   |
| 2  | 071002000043 | VELERIE A ORNO          | 80.00 | 40.00   | 70.00                 | 17.50   | 88.00                | 22.00   | 79.50       | A-    | Pass   |
| 3  | 071002100047 | SOFYANA LORENZA BINTANG | 85.00 | 42.50   | 80.00                 | 20.00   | 68.00                | 17.00   | 79.50       | A-    | Pass   |
| 4  | 071002100025 | LEONARDS DESY DAYANTRI  | 80.00 | 40.00   | 65.00                 | 16.25   | 62.00                | 15.50   | 71.75       | B     | Pass   |
| 5  | 071002200056 | MUHAMMAD NANDA BAYU     | 85.00 | 42.50   | 73.00                 | 18.25   | 67.00                | 16.75   | 77.50       | A-    | Pass   |
| 6  | 071002200057 | MAIKEL NUH NOEL EREGUA  |       |         |                       |         |                      |         |             |       |        |

Keterangan:

| Range Nilai Angka | Nilai Huruf |
|-------------------|-------------|
| 80.00 - 100.00    | A           |
| 77.00 - 79.99     | A-          |
| 74.00 - 76.99     | B+          |
| 68.00 - 73.99     | B           |
| 65.00 - 67.99     | B-          |
| 62.00 - 64.99     | C+          |
| 56.00 - 61.99     | C           |
| 45.00 - 55.99     | D           |



**PROGRAM STUDI TEKNIK PERMINYAKAN**  
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Telp: 62-21-5663232  
Email: ftke@trisakti.ac.id

**Berita Acara Aktivitas Pembelajaran**

Mata Kuliah : MPR6105 Praktikum EOR Kelas : TP-D (04)  
Ruang : Dosen : 3196 Kartika Fajarwati Hartono, S.T., M.T.  
Hari : Thursday NIDN-NIK Dosen : 0303028801-3196/Usakti  
Waktu : 09:00:00 - 11:50:00 Periode : Genap 2024/2025 (R)

| Sesi Ke | Tanggal    | Waktu       | Jenis Sesi | Aktivitas                                                 | Tugas Mahasiswa                | Evaluasi          | Hdr | Skt | Alp | Dsp |
|---------|------------|-------------|------------|-----------------------------------------------------------|--------------------------------|-------------------|-----|-----|-----|-----|
| 1       | 20-02-2025 | 09:00-09:00 | Tatap Muka | Responsi Praktikum EOR                                    | Menyimak, diskusi, tanya jawab | Tertib dan lancar | 7   | 0   | 1   | 0   |
| 2       | 27-02-2025 | 09:00-09:00 | Tatap Muka | Praktikum 1 dan 2 - Evaluasi Data Reservoir dan Screening | Praktikum                      | Tertib dan lancar | 7   | 0   | 1   | 0   |
| 3       | 06-03-2025 | 00:00-00:00 | Tatap Muka | Praktikum 3 - Skenario Produksi                           | Praktikum                      | Tertib dan lancar | 7   | 0   | 1   | 0   |
| 4       | 13-03-2025 | 00:00-00:00 | Tatap Muka | Praktikum 4 - Rheologi Polimer                            | Praktikum                      | Tertib dan lancar | 7   | 0   | 1   | 0   |
| 5       | 20-03-2025 | 00:00-00:00 | Tatap Muka | Praktikum 5 - Kestabilan Busa                             | Praktikum                      | Tertib dan lancar | 7   | 0   | 1   | 0   |
| 6       | 10-04-2025 | 00:00-00:00 | Tatap Muka | Praktikum 6 - Injeksi Air                                 | Praktikum                      | Tertib dan lancar | 7   | 0   | 1   | 0   |
| 7       | 17-04-2025 | 00:00-00:00 | Tatap Muka | Ujian Tengah Semester                                     | Ujian Praktikum                | Tertib dan lancar | 7   | 0   | 1   | 0   |
| 8       | 08-05-2025 | 00:00-00:00 | Tatap Muka | Praktikum 7 - Injeksi Busa                                | Praktikum                      | Tertib dan lancar | 7   | 0   | 1   | 0   |
| 9       | 15-05-2025 | 00:00-00:00 | Tatap Muka | Praktikum 8 - Injeksi Polimer                             | Praktikum                      | Tertib dan lancar | 7   | 0   | 1   | 0   |

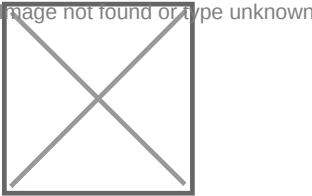
|    |            |             |                       |                                          |                                  |                                          |   |   |   |   |
|----|------------|-------------|-----------------------|------------------------------------------|----------------------------------|------------------------------------------|---|---|---|---|
| 10 | 22-05-2025 | 00:00-00:00 | Tatap Muka            | Praktikum 9 - Injeksi Surfaktan          | Praktikum                        | Tertib dan lancar                        | 7 | 0 | 1 | 0 |
| 11 | 23-05-2025 | 00:00-00:00 | Tatap Muka            | Praktikum 10 - Injeksi Surfaktan Polimer | Praktikum                        | Tertib dan lancar                        | 7 | 0 | 1 | 0 |
| 12 | 05-06-2025 | 00:00-00:00 | Tatap Muka            | Praktikum 11 - Tekanan Tercampur Minimum | Praktikum                        | Tertib dan lancar                        | 7 | 0 | 1 | 0 |
| 13 | 19-06-2025 | 00:00-00:00 | Tatap Muka            | Presentasi                               | Presentasi, diskusi, tanya jawab | Tertib dan lancar                        | 7 | 0 | 1 | 0 |
| 14 | 26-06-2025 | 00:00-00:00 | Tatap Muka            | Ujian Akhir Semester                     | Ujian                            | Tertib dan lancar                        | 7 | 0 | 1 | 0 |
| 15 | 24-04-2025 | 09:00-09:00 | Ujian Tengah Semester | Hadir dalam pelaksanaan ujian            | Mahasiswa mengerjakan soal ujian | Pelaksanaan ujian berjalan dengan tertib | 7 | 0 | 1 | 0 |
| 16 | 26-06-2025 | 09:00-09:00 | Ujian Akhir Semester  | Hadir dalam pelaksanaan ujian            | Mahasiswa mengerjakan soal ujian | Pelaksanaan ujian berjalan dengan tertib | 7 | 0 | 1 | 0 |

Jakarta, 05-08-2025

Dosen Pengasuh

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3196 Kartika Fajarwati Hartono, S.T., M.T.



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Telp: 62-21-5663232  
Email: ftke@trisakti.ac.id

Daftar Hadir Mahasiswa

Mata Kuliah : MPR6105 Praktikum EOR Kelas : TP-D (04)  
Ruang : Dosen : 3196 Kartika Fajarwati Hartono, S.T., M.T.  
Hari : Thursday NIDN-NIK Dosen : 0303028801-3196/Usakti  
Waktu : 09:00:00 - 11:50:00 Periode : Genap 2024/2025 (R)

| No           | NIM          | Nama Mahasiswa               | 1                   | 2                   | 3                   | 4                   | 5                   | 6                   | 7                   | 8                   | 9                   | 10                  | 11                  | 12                  | 13                  | 14                  |
|--------------|--------------|------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|              |              |                              | 20-02-2025<br>09:00 | 27-02-2025<br>09:00 | 06-03-2025<br>12:00 | 13-03-2025<br>12:00 | 20-03-2025<br>12:00 | 10-04-2025<br>12:00 | 17-04-2025<br>12:00 | 08-05-2025<br>12:00 | 15-05-2025<br>12:00 | 22-05-2025<br>12:00 | 23-05-2025<br>12:00 | 05-06-2025<br>12:00 | 19-06-2025<br>12:00 | 26-06-2025<br>12:00 |
| 1            | 071002000071 | MUHAMMAD NAUFAL ARRASYIQ     | Alp                 | Alp                 | Alp                 | Alp                 | Alp                 | Alp                 | Alp                 | Alp                 | Alp                 | Alp                 | Alp                 | Alp                 | Alp                 | Alp                 |
| 2            | 071002100053 | Yosep Kerry Palihema         | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 |
| 3            | 071002100064 | RAFLI PUTRA AFFANDY          | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 |
| 4            | 071002200004 | ANUGRAH VALENTINO PARTO      | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 |
| 5            | 071002200008 | DAUD ASRUN NAUW              | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 |
| 6            | 071002200050 | MUHAMMAD KEMMY SASMITA SALIM | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 |
| 7            | 071002200061 | AHMAD ALWAN MAULID S.        | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 |
| 8            | 071002300037 | MUHAMMAD DZAKI ARKAAN        | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 | Hdr                 |
| Jumlah Hadir |              |                              | 7                   | 7                   | 7                   | 7                   | 7                   | 7                   | 7                   | 7                   | 7                   | 7                   | 7                   | 7                   | 7                   | 7                   |

Tidak dibenarkan menambahkan peserta kuliah

Jakarta, 05-08-2025  
Dosen Pengasuh

ttd

**3196 Kartika Fajarwati Hartono, S.T., M.T.**

DAFTAR NILAI

Nama Matakuliah : MPR6105-Praktikum EOR  
 sks : 1.00  
 Dosen Pengampu : 3196 Kartika Fajarwati Hartono, S.T., M.T.  
 NIDN-NIK : 0303028801-3196/Usakti  
 Semester : Genap 2024/2025 (R)

| No | NPM          | Nama Mahasiswa               | Praktikum 1 |        | Praktikum 10 |        | Praktikum 11 |        | Praktikum 2 |        | Praktikum 3 |        | Praktikum 4 |        | Praktikum 5 |        | Praktikum 6 |        | Praktikum 7 |        | Praktikum 8 |        | Praktikum 9 |        | Praktikum 12 |        | Tugas 1 |        | Ujian Akhir Semester |         | Ujian Tengah Semester |         | Nilai Total | Huruf | Status |
|----|--------------|------------------------------|-------------|--------|--------------|--------|--------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|-------------|--------|--------------|--------|---------|--------|----------------------|---------|-----------------------|---------|-------------|-------|--------|
|    |              |                              | Nilai       | 3.00 % | Nilai        | 4.00 % | Nilai        | 4.00 % | Nilai       | 3.00 % | Nilai       | 3.00 % | Nilai       | 4.00 % | Nilai       | 4.00 % | Nilai       | 4.00 % | Nilai       | 4.00 % | Nilai       | 4.00 % | Nilai       | 4.00 % | Nilai        | 5.00 % | Nilai   | 4.00 % | Nilai                | 25.00 % | Nilai                 | 25.00 % |             |       |        |
| 1  | 071002200061 | AHMAD ALWAN MAULID S.        | 73.30       | 2.20   | 61.70        | 2.47   | 74.00        | 2.96   | 75.00       | 2.25   | 79.30       | 2.38   | 79.30       | 3.17   | 79.70       | 3.19   | 78.30       | 3.13   | 76.00       | 3.04   | 78.00       | 3.12   | 78.30       | 3.13   | 74.00        | 3.70   | 75.00   | 3.00   | 37.00                | 9.25    | 40.00                 | 10.00   | 56.99       | C     | Pass   |
| 2  | 071002200050 | MUHAMMAD KEMMY SASMITA SALIM | 70.00       | 2.10   | 59.70        | 2.39   | 77.70        | 3.11   | 70.00       | 2.10   | 78.30       | 2.35   | 72.30       | 2.89   | 76.70       | 3.07   | 73.30       | 2.93   | 75.00       | 3.00   | 74.30       | 2.97   | 76.70       | 3.07   | 75.00        | 3.75   | 75.00   | 3.00   | 37.52                | 9.38    | 40.00                 | 10.00   | 56.11       | C     | Pass   |
| 3  | 071002100064 | RAFLI PUTRA AFFANDY          | 79.67       | 2.39   | 78.30        | 3.13   | 78.33        | 3.13   | 79.70       | 2.39   | 77.00       | 2.31   | 79.70       | 3.19   | 78.00       | 3.12   | 74.70       | 2.99   | 76.70       | 3.07   | 78.30       | 3.13   | 78.30       | 3.13   | 74.00        | 3.70   | 75.00   | 3.00   | 41.00                | 10.25   | 40.00                 | 10.00   | 58.93       | C     | Pass   |
| 4  | 071002200004 | ANUGRAH VALENTINO PARTO      | 73.33       | 2.20   | 53.30        | 2.13   | 78.00        | 3.12   | 73.33       | 2.20   | 78.33       | 2.35   | 75.00       | 3.00   | 74.30       | 2.97   | 77.30       | 3.09   | 71.70       | 2.87   | 71.70       | 2.87   | 76.70       | 3.07   | 72.00        | 3.60   | 75.00   | 3.00   | 42.00                | 10.50   | 40.00                 | 10.00   | 56.97       | C     | Pass   |
| 5  | 071002300037 | MUHAMMAD DZAKI ARKAAN        | 73.30       | 2.20   | 77.70        | 3.11   | 78.33        | 3.13   | 75.00       | 2.25   | 75.00       | 2.25   | 80.00       | 3.20   | 81.00       | 3.24   | 81.70       | 3.27   | 82.30       | 3.29   | 81.70       | 3.27   | 80.00       | 3.20   | 76.00        | 3.80   | 75.00   | 3.00   | 70.00                | 17.50   | 60.00                 | 15.00   | 71.71       | B     | Pass   |
| 6  | 071002200008 | DAUD ASRUN NAUW              | 74.00       | 2.22   | 73.30        | 2.93   | 76.30        | 3.05   | 76.00       | 2.28   | 76.70       | 2.30   | 76.70       | 3.07   | 78.00       | 3.12   | 77.30       | 3.09   | 71.70       | 2.87   | 66.70       | 2.67   | 71.70       | 2.87   | 72.00        | 3.60   | 75.00   | 3.00   | 40.68                | 10.17   | 40.00                 | 10.00   | 57.24       | C     | Pass   |
| 7  | 071002000071 | MUHAMMAD NAUFAL ARRASYIQ     |             |        |              |        |              |        |             |        |             |        |             |        |             |        |             |        |             |        |             |        |             |        |              |        |         |        |                      |         |                       |         |             |       |        |
| 8  | 071002100053 | Yosep Kerry Palihema         | 73.30       | 2.20   | 79.00        | 3.16   | 76.70        | 3.07   | 73.33       | 2.20   | 70.00       | 2.10   | 74.30       | 2.97   | 75.00       | 3.00   | 75.00       | 3.00   | 79.70       | 3.19   | 78.30       | 3.13   | 78.70       | 3.15   | 76.00        | 3.80   | 75.00   | 3.00   | 25.00                | 6.25    | 47.40                 | 11.85   | 56.07       | C     | Pass   |

Keterangan:

| Range Nilai Angka | Nilai Huruf |
|-------------------|-------------|
| 80.00 - 100.00    | A           |

|               |    |
|---------------|----|
| 77.00 - 79.99 | A- |
| 74.00 - 76.99 | B+ |
| 68.00 - 73.99 | B  |
| 65.00 - 67.99 | B- |
| 62.00 - 64.99 | C+ |
| 56.00 - 61.99 | C  |
| 45.00 - 55.99 | D  |



Berita Acara Aktivitas Pembelajaran

Mata Kuliah : MPR8317 Manajemen Peningkatan Produksi Lanjutan

Kelas : MTP-A (01)

Ruang : AD 04 A. Pulunggono

Dosen : 3196 Kartika Fajarwati Hartono, S.T., M.T.

Hari : Tuesday

NIDN-NIK Dosen : 0303028801-3196/Usakti

Waktu : 18:30:00 - 20:30:00

Periode : Genap 2024/2025 (R)

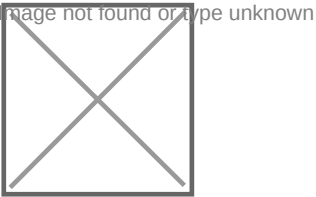
| Sesi Ke | Tanggal    | Waktu       | Jenis Sesi | Aktivitas                                                                                                                                                    | Tugas Mahasiswa                    | Evaluasi        | Hdr | Skt | Alp | Dsp |
|---------|------------|-------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------|-----|-----|-----|-----|
| 1       | 29-04-2025 | 00:00-00:00 | Tatap Muka | Thermal Flooding - Steam Properties, Heat transfer process convection conduction, life cycle steam flood                                                     | Diskusi, menyimak, tanya jawab     | Baik dan tertib | 6   | 0   | 0   | 0   |
| 2       | 02-05-2025 | 18:30-18:30 | Tatap Muka | Thermal Flooding 2 - Life cycle of steam flood, geological impact on steam migration, temperature observation well (ToW), maturity determination, production | Diskusi, tanya jawab, dan menyimak | Diskusi aktif   | 6   | 0   | 0   | 0   |

Jakarta, 05-08-2025

Dosen Pengasuh

ttd

3196 Kartika Fajarwati Hartono, S.T., M.T.



PROGRAM STUDI TEKNIK PERMINYAKAN  
FAKULTAS TEKNOLOGI KEBUMIHAN DAN ENERGI  
UNIVERSITAS TRISAKTI

KAMPUS A GEDUNG D LT 5 KABAG TU FTKE Jakarta Barat DKI Jakarta  
Telp: 62-21-5663232  
Email: ftke@trisakti.ac.id

Daftar Hadir Mahasiswa

Mata Kuliah : MPR8317 Manajemen Peningkatan Produksi Lanjutan

Ruang : AD 04 A. Pulunggono

Hari : Tuesday

Waktu : 18:30:00 - 20:30:00

Kelas : MTP-A (01)

Dosen : 3196 Kartika Fajarwati Hartono, S.T., M.T.

NIDN-NIK Dosen : 0303028801-3196/Usakti

Periode : Genap 2024/2025 (R)

| No           | NIM          | Nama Mahasiswa           | 1                   | 2                   |
|--------------|--------------|--------------------------|---------------------|---------------------|
|              |              |                          | 29-04-2025<br>12:00 | 02-05-2025<br>06:30 |
| 1            | 171012310001 | JAKA WIBOWO              | Hdr                 | Hdr                 |
| 2            | 171012310002 | RIDHO ABDILLAH           | Hdr                 | Hdr                 |
| 3            | 171012310003 | ZAKARIA                  | Hdr                 | Hdr                 |
| 4            | 171012310004 | BURRA MUZEBA             | Hdr                 | Hdr                 |
| 5            | 171012310005 | NUR ESTI PERMATASARI     | Hdr                 | Hdr                 |
| 6            | 171012310006 | EBENEZER ANUGRAH BAGINTA | Hdr                 | Hdr                 |
| Jumlah Hadir |              |                          | 6                   | 6                   |

Tidak dibenarkan menambahkan peserta kuliah

Jakarta, 05-08-2025

Dosen Pengasuh

ttd

3196 Kartika Fajarwati Hartono, S.T., M.T.

|                 |  |                                                   |  |
|-----------------|--|---------------------------------------------------|--|
|                 |  | DAFTAR NILAI                                      |  |
| Nama Matakuliah |  | : MPR8317-Manajemen Peningkatan Produksi Lanjutan |  |
| sks             |  | : 3.00                                            |  |
| Dosen Pengampu  |  | : 3196 Kartika Fajarwati Hartono, S.T., M.T.      |  |
| NIDN-NIK        |  | : 0303028801-3196/Usakti                          |  |
| Semester        |  | : Genap 2024/2025 (R)                             |  |

|   | Nama Mahasiswa           | NIM          | Prev. Grade | Kehadiran % | KAD: (1) Mahasiswa memahami metode- metode EOR<br>PI: Konsep dasar MEOR Mekanisme MEOR Jenis-jenis microba yang digunakan |                            | KAD: (1) Mahasiswa memiliki kemampuan screening criteria metode EOR(CPMK 2 – KK.c)<br>PI: Penggunaan Tabel Taber Martin & Serigh Penggunaan tabel Aladasani |                            | KAD: (1) Mahasiswa memiliki kemampuan pengembangan EOR economics (CPMK 1 – KU.b)<br>PI: Material Balance Decline Curve Analysis Monte Carlo Neural Network |                            | KAD: (1) Mahasiswa memahami Geologi Produksi (CPMK 1 – KU.b)<br>PI: Mahasiswa memahami Geologi Produksi |                             | KAD: (1) Mahasiswa memahami metode- metode EOR<br>PI: Konsep dasar MEOR Mekanisme MEOR Jenis-jenis microba yang digunakan |                            | KAD: (1) Mahasiswa memahami konsep dasar produksi minyak bumi(CPMK 1 – KU.b)<br>PI: Mampu mengenal produksi minyak bumi dasar teknik produksi minyak dan gas bumi pengenalan energi alir dari suatu resevoir sampai ke permukaan. |                             | KAD: (1) Mahasiswa memahami proses primary recovery dan secondary recovery<br>PI: Mahasiswa memahami proses primary recovery dan secondary recovery |                             | KAD                                               |                             | KAD                                                |                             | Nilai Angka | Nilai Huruf | Lulus | Status |
|---|--------------------------|--------------|-------------|-------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------|-----------------------------|----------------------------------------------------|-----------------------------|-------------|-------------|-------|--------|
|   |                          |              |             |             | Presentasi 1<br>Entried by : Rini Setiati                                                                                 |                            | Presentasi 2<br>Entried by : Rini Setiati                                                                                                                   |                            | Presentasi 4<br>Entried by : Rini Setiati                                                                                                                  |                            | Quiz 1<br>Entried by : Rini Setiati                                                                     |                             | Quiz 2<br>Entried by : Rini Setiati                                                                                       |                            | Tugas 1<br>Entried by : Rini Setiati                                                                                                                                                                                              |                             | Tugas 2<br>Entried by : Rini Setiati                                                                                                                |                             | Ujian Akhir Semester<br>Entried by : Rini Setiati |                             | Ujian Tengah Semester<br>Entried by : Rini Setiati |                             |             |             |       |        |
|   |                          |              |             |             | Student Raw Mark (Total Mark : 100.00)                                                                                    | Mark (Percentage : 5.00 %) | Student Raw Mark (Total Mark : 100.00)                                                                                                                      | Mark (Percentage : 5.00 %) | Student Raw Mark (Total Mark : 100.00)                                                                                                                     | Mark (Percentage : 5.00 %) | Student Raw Mark (Total Mark : 100.00)                                                                  | Mark (Percentage : 10.00 %) | Student Raw Mark (Total Mark : 100.00)                                                                                    | Mark (Percentage : 5.00 %) | Student Raw Mark (Total Mark : 100.00)                                                                                                                                                                                            | Mark (Percentage : 10.00 %) | Student Raw Mark (Total Mark : 100.00)                                                                                                              | Mark (Percentage : 10.00 %) | Student Raw Mark (Total Mark : 100.00)            | Mark (Percentage : 25.00 %) | Student Raw Mark (Total Mark : 100.00)             | Mark (Percentage : 25.00 %) |             |             |       |        |
| 1 | JAKA WIBOWO              | 171012310001 |             | 93.75       | 80.00                                                                                                                     | 4.00                       | 90.00                                                                                                                                                       | 4.50                       | 80.00                                                                                                                                                      | 4.00                       | 80.00                                                                                                   | 8.00                        | 90.00                                                                                                                     | 4.50                       | 90.00                                                                                                                                                                                                                             | 9.00                        | 90.00                                                                                                                                               | 9.00                        | 90.00                                             | 22.50                       | 90.00                                              | 22.50                       | 88.00       | A           | Pass  |        |
| 2 | RIDHO ABDILLAH           | 171012310002 |             | 93.75       | 80.00                                                                                                                     | 4.00                       | 90.00                                                                                                                                                       | 4.50                       | 80.00                                                                                                                                                      | 4.00                       | 80.00                                                                                                   | 8.00                        | 90.00                                                                                                                     | 4.50                       | 90.00                                                                                                                                                                                                                             | 9.00                        | 90.00                                                                                                                                               | 9.00                        | 90.00                                             | 22.50                       | 80.00                                              | 20.00                       | 85.50       | A           | Pass  |        |
| 3 | ZAKARIA                  | 171012310003 |             | 87.50       | 90.00                                                                                                                     | 4.50                       | 90.00                                                                                                                                                       | 4.50                       | 90.00                                                                                                                                                      | 4.50                       | 90.00                                                                                                   | 9.00                        | 90.00                                                                                                                     | 4.50                       | 90.00                                                                                                                                                                                                                             | 9.00                        | 90.00                                                                                                                                               | 9.00                        | 90.00                                             | 22.50                       | 90.00                                              | 22.50                       | 90.00       | A           | Pass  |        |
| 4 | BURRA MUZEBA             | 171012310004 |             | 93.75       | 80.00                                                                                                                     | 4.00                       | 80.00                                                                                                                                                       | 4.00                       | 80.00                                                                                                                                                      | 4.00                       | 80.00                                                                                                   | 8.00                        | 90.00                                                                                                                     | 4.50                       | 90.00                                                                                                                                                                                                                             | 9.00                        | 90.00                                                                                                                                               | 9.00                        | 75.00                                             | 18.75                       | 80.00                                              | 20.00                       | 81.25       | A           | Pass  |        |
| 5 | NUR ESTI PERMATASARI     | 171012310005 |             | 87.50       | 80.00                                                                                                                     | 4.00                       | 90.00                                                                                                                                                       | 4.50                       | 80.00                                                                                                                                                      | 4.00                       | 80.00                                                                                                   | 8.00                        | 90.00                                                                                                                     | 4.50                       | 90.00                                                                                                                                                                                                                             | 9.00                        | 90.00                                                                                                                                               | 9.00                        | 90.00                                             | 22.50                       | 90.00                                              | 22.50                       | 88.00       | A           | Pass  |        |
| 6 | EBENEZER ANUGRAH BAGINTA | 171012310006 |             | 93.75       | 75.00                                                                                                                     | 3.75                       | 80.00                                                                                                                                                       | 4.00                       | 80.00                                                                                                                                                      | 4.00                       | 80.00                                                                                                   | 8.00                        | 80.00                                                                                                                     | 4.00                       | 90.00                                                                                                                                                                                                                             | 9.00                        | 90.00                                                                                                                                               | 9.00                        | 75.00                                             | 18.75                       | 75.00                                              | 18.75                       | 79.25       | A-          | Pass  |        |

Keterangan:

| Range Nilai Angka | Nilai Huruf |
|-------------------|-------------|
| 80.00 - 100.00    | A           |
| 77.00 - 79.99     | A-          |
| 74.00 - 76.99     | B+          |
| 68.00 - 73.99     | B           |
| 65.00 - 67.99     | B-          |
| 62.00 - 64.99     | C+          |
| 59.00 - 61.99     | C           |
| 45.00 - 59.00     | D           |



**PROGRAM STUDI TEKNIK PERMINYAKAN**  
**FAKULTAS TEKNOLOGI KEBUMIHAN DAN ENERGI**  
**UNIVERSITAS TRISAKTI**

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Telp: 62-21-5663232  
Email: ftke@trisakti.ac.id

**Berita Acara Aktivitas Pembelajaran**

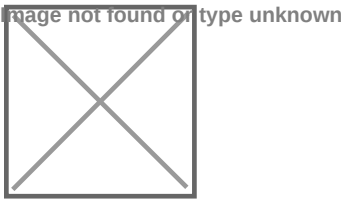
Mata Kuliah : MPG8303 Teknik Eksploitasi Gas Bumi Lanjutan Kelas : MTP-A (01 )  
Ruang : DPNG Dosen : 3196 Kartika Fajarwati Hartono, S.T., M.T.  
Hari : Saturday NIDN-NIK Dosen : 0303028801-3196/Usakti  
Waktu : 08:00:00 - 10:40:00 Periode : Genap 2024/2025 (R)

| Sesi Ke | Tanggal    | Waktu       | Jenis Sesi | Aktivitas                                                                                          | Tugas Mahasiswa                    | Evaluasi                                               | Hdr | Skt | Alp | Dsp |
|---------|------------|-------------|------------|----------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------|-----|-----|-----|-----|
| 1       | 15-03-2025 | 00:00-00:00 | Tatap Muka | Behavior of Natural Gas                                                                            | Diskusi, tanya jawab, exercise     | Baik dan tertib                                        | 7   | 0   | 0   | 0   |
| 2       | 22-03-2025 | 08:30-08:30 | Tatap Muka | Fundamentals of Fluid Flow in Pipes: Single phase flow, multiphase flow, Modeling and Correlations | Diskusi dan berpartisipasi aktif.  | Diskusi dan berpartisipasi aktif.                      | 7   | 0   | 0   | 0   |
| 3       | 12-04-2025 | 00:00-00:00 | Tatap Muka | Nodal System Analysis: Reservoir Performance and Inflow Performance Relationship (IPR)             | Diskusi, tanya jawab, dan exercise | Diskusi aktif dan exercise problem Pseudo-steady State | 7   | 0   | 0   | 0   |
| 4       | 26-04-2025 | 08:00-08:00 | Tatap Muka | UTS                                                                                                | UTS                                | TERTIB                                                 | 7   | 0   | 0   | 0   |
| 5       | 03-05-2025 | 08:00-08:00 | Tatap Muka | Nodal System Analysis - Wellbore Performance; Vertical Lift Performance (VLP)                      | Diskusi, tanya jawab, dan menyimak | Tertib                                                 | 6   | 0   | 1   | 0   |
| 6       | 10-05-2025 | 00:00-00:00 | Tatap Muka | Facility and Production Oil and Gas                                                                | Diskusi, tanya jawab, dan menyimak | Diskusi aktif                                          | 7   | 0   | 0   | 0   |

Jakarta, 05-08-2025  
Dosen Pengasuh

ttd





**PROGRAM STUDI TEKNIK PERMINYAKAN**  
**FAKULTAS TEKNOLOGI KEBUMIHAN DAN ENERGI**  
**UNIVERSITAS TRISAKTI**

KAMPUS A GEDUNG D LT 5 KABAG TU FTKE Jakarta Barat DKI Jakarta  
Telp: 62-21-5663232  
Email: ftke@trisakti.ac.id

Daftar Hadir Mahasiswa

Mata Kuliah : MPG8303 Teknik Eksploitasi Gas Bumi Lanjutan Kelas : MTP-A (01 )  
Ruang : DPNG Dosen : 3196 Kartika Fajarwati Hartono, S.T., M.T.  
Hari : Saturday NIDN-NIK Dosen : 0303028801-3196/Usakti  
Waktu : 08:00:00 - 10:40:00 Periode : Genap 2024/2025 (R)

| No           | NIM          | Nama Mahasiswa       | 1          | 2          | 3          | 4          | 5          | 6          |
|--------------|--------------|----------------------|------------|------------|------------|------------|------------|------------|
|              |              |                      | 15-03-2025 | 22-03-2025 | 12-04-2025 | 26-04-2025 | 03-05-2025 | 10-05-2025 |
|              |              |                      | 12:00      | 08:30      | 12:00      | 08:00      | 08:00      | 12:00      |
| 1            | 171012200007 | ALFIAN ARIANTO       | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        |
| 2            | 171012200008 | AREZA BADRIL         | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        |
| 3            | 171012310001 | JAKA WIBOWO          | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        |
| 4            | 171012310002 | RIDHO ABDILLAH       | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        |
| 5            | 171012310003 | ZAKARIA              | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        |
| 6            | 171012310004 | BURRA MUZEBA         | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        | Hdr        |
| 7            | 171012310005 | NUR ESTI PERMATASARI | Hdr        | Hdr        | Hdr        | Hdr        | Alp        | Hdr        |
| Jumlah Hadir |              |                      | 7          | 7          | 7          | 7          | 6          | 7          |

Tidak dibenarkan menambahkan peserta kuliah

Jakarta, 05-08-2025  
Dosen Pengasuh

ttd



DAFTAR NILAI

Nama Matakuliah

: MPG8303-Teknik Eksploitasi Gas Bumi Lanjutan

sks

: 3.00

Dosen Pengampu

: 3196 Kartika Fajarwati Hartono, S.T., M.T.

NIDN-NIK

: 0303028801-3196/Usakti

Semester

: Genap 2024/2025 (R)

| No | NPM          | Nama Mahasiswa       | Ujian Akhir Semester |         | Ujian Tengah Semester |         | Nilai Total | Huruf | Status |
|----|--------------|----------------------|----------------------|---------|-----------------------|---------|-------------|-------|--------|
|    |              |                      | Nilai                | 50.00 % | Nilai                 | 50.00 % |             |       |        |
| 1  | 171012310002 | RIDHO ABDILLAH       | 70.00                | 35.00   | 83.00                 | 41.50   | 76.50       | B+    | Pass   |
| 2  | 171012310001 | JAKA WIBOWO          | 80.00                | 40.00   | 85.00                 | 42.50   | 82.50       | A     | Pass   |
| 3  | 171012310003 | ZAKARIA              | 74.00                | 37.00   | 83.00                 | 41.50   | 78.50       | A-    | Pass   |
| 4  | 171012310004 | BURRA MUZEBA         | 70.00                | 35.00   | 78.00                 | 39.00   | 74.00       | B+    | Pass   |
| 5  | 171012310005 | NUR ESTI PERMATASARI | 91.00                | 45.50   | 81.00                 | 40.50   | 86.00       | A     | Pass   |
| 6  | 171012200007 | ALFIAN ARIANTO       | 94.00                | 47.00   | 78.00                 | 39.00   | 86.00       | A     | Pass   |
| 7  | 171012200008 | AREZA BADRIL         | 80.00                | 40.00   | 78.00                 | 39.00   | 79.00       | A-    | Pass   |

Keterangan:

| Range Nilai Angka | Nilai Huruf |
|-------------------|-------------|
| 80.00 - 100.00    | A           |
| 77.00 - 79.99     | A-          |
| 74.00 - 76.99     | B+          |
| 68.00 - 73.99     | B           |
| 65.00 - 67.99     | B-          |
| 62.00 - 64.99     | C+          |
| 59.00 - 61.99     | C           |
| 45.00 - 59.00     | D           |