

# DATA WAREHOUSE DAN BUSINESS INTELLIGENCE - 0105

SKS: 3 | Kelas: 15.4B.01

Dosen: 200909611 - AUM

## Berita Acara Pengajaran

| Temu | Ruang  | Kehadiran                                                     | Bahan Kajian                                                                                                                                                                                                                  | BAP                                                                                       | MONEV    |
|------|--------|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------|
| 1    | 507-D2 | 2026-04-02<br>15:00-17:30<br>Masuk:<br>15:05:59 -<br>17:31:06 | - Overview BI - Arsitektur, model, dan keunggulan BI - Hubungan DSS dan BI<br>Data Warehouse & Business Intelligence                                                                                                          | Overview BI: ? Arsitektur, model, dan keunggulan BI; ? Hubungan DSS dan BI.               | Memenuhi |
| 2    | 507-D2 | 2026-04-09<br>15:00-17:30<br>Masuk:<br>15:01:33 -<br>17:33:42 | - Pengertian dan Overview DW - Arsitektur DW - Proses ETL Data - Implementasi dan resiko dalam pengimplementasian DW<br>Data Warehouse & Business Intelligence                                                                | Konsep Data Warehousing dan Proses ETL                                                    | Memenuhi |
| 3    | 507-D2 | 2026-04-16<br>15:00-17:30<br>Masuk:<br>15:01:39 -<br>17:28:06 | - Overview BPM - BPM vs BI - Langkah-langkah proses Closed-loop untuk mengoptimalkan kinerja bisnis : - Strategize - Plan - Monitor/Analyze - Act/adjust<br>Performance measurement<br>Data Warehouse & Business Intelligence | Konsep dan implementasi dalam proses BPM                                                  | Memenuhi |
| 4    | 507-D2 | 2026-04-23<br>15:00-17:30<br>Masuk:<br>15:06:42 -<br>17:21:29 | - BPM Methodologies overview - BPM Methodologies Balances Scorecard - Model BPM Methodologies : Six Sigma - Arsitektur & Aplikasi BPM<br>Performance Dashboards<br>Overview<br>Data Warehouse & Business Intelligence         | Pembahasan mengenai konsep Balanced Scorecards, Metode-metode BPM, dan mengenai Dashboard | Memenuhi |
| 5    | 507-D2 | 2026-04-25<br>15:00-17:30<br>Masuk:<br>15:03:02 -<br>17:24:22 | 1. Pengenalan data 2. Data mining overview 3. Hubungan data mining dan bidang lain 4. Masalah-masalah dalam data mining 5. Tipe data 6. Pengetahuan model data mining<br>Data Warehouse & Business Intelligence               | Pembahasan mengenai definisi, komponen dan algoritma Data Mining.                         | Memenuhi |

| Temu | Ruang  | Kehadiran                                                     | Bahan Kajian                                                                                                                                                                                                                                                                                                               | BAP                                                                                                                                                          | MONEV    |
|------|--------|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 6    | 507-D2 | 2026-04-30<br>15:00-17:30<br>Masuk:<br>15:02:45 -<br>17:25:15 | - Association based learning : -<br>Supervised learning -<br>Unsupervised learning - Semi-supervised learning - Algoritma data mining - Proses data mining - Himpunan data (dataset) - Metode data mining - Pengetahuan (pola/model) - Instalasi dan menjalankan tools data mining Data Warehouse & Business Intelligence  | Pembahasan mengenai definisi, konsep, jenis, dan algoritma dalam machine learning.                                                                           | Memenuhi |
| 7    | 507-D2 | 2026-05-07<br>15:00-17:30<br>Masuk:<br>15:01:09 -<br>17:22:39 | Review Data Warehouse & Business Intelligence                                                                                                                                                                                                                                                                              | Pembahasan mengenai review algoritma-algoritma dan metode pembelajaran machine learning.                                                                     | Memenuhi |
| 8    | 507-D2 | 2026-05-21<br>15:00-17:30<br>Masuk:<br>15:01:37 -<br>17:28:14 | Ujian Tengah Semester                                                                                                                                                                                                                                                                                                      | UTS                                                                                                                                                          | Memenuhi |
| 9    | 507-D2 | 2026-06-04<br>15:00-17:30<br>Masuk:<br>15:07:39 -<br>17:25:40 | Studi kasus menggunakan teknik klasifikasi Data Warehouse & Business Intelligence                                                                                                                                                                                                                                          | Pembahasan mengenai metodologi CRISP-DM dan konsultasi terkait project akhir mata kuliah Datawarehouse dan Business Intelligence.                            | Memenuhi |
| 10   | 507-D2 | 2026-06-11<br>15:00-17:30<br>Masuk:<br>15:01:47 -<br>17:15:02 | Menyusun makalah, menjelaskan, membuktikan hipotesis keterhubungan DSS & BI, dan menampilkan rancangan sederhana model dimensional DW. Menyusun makalah, membuat dan menampilkan rancangan arsitektur BI atau DW serta membangun rancangan model dimensional DW yang sudah berjalan Data Warehouse & Business Intelligence | Konsultasi kelompok terkait project akhir mata kuliah, serta pembahasan mengenai konsep IMRAD untuk penulisan draft artikel ilmiah hasil penelitian/project. | Memenuhi |
| 11   | 507-D2 | 2026-06-13<br>15:00-17:30<br>Masuk:<br>15:02:49 -<br>17:22:05 | Menyusun makalah, menjelaskan, membuktikan hipotesis keterhubungan DSS & BI, dan menampilkan rancangan sederhana model dimensional DW. Menyusun makalah, membuat dan menampilkan rancangan arsitektur BI atau DW                                                                                                           | Presentasi kelompok untuk menampilkan dan menyampaikan hasil project business intelligence yang dikerjakan.                                                  | Memenuhi |

| Temu | Ruang  | Kehadiran                                                     | Bahan Kajian                                                                                                                                                                                                                                                                                                                  | BAP                                                                                                         | MONEV    |
|------|--------|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------|
|      |        |                                                               | serta membangun rancangan model dimensional DW yang sudah berjalan<br>Data Warehouse & Business Intelligence                                                                                                                                                                                                                  |                                                                                                             |          |
| 12   | 507-D2 | 2026-06-18<br>15:00-17:30<br>Masuk:<br>15:01:15 -<br>17:30:23 | Menyusun makalah, menjelaskan, membuktikan hipotesis keterhubungan DSS & BI, dan menampilkan rancangan sederhana model dimensional DW. Menyusun makalah, membuat dan menampilkan rancangan arsitektur BI atau DW serta membangun rancangan model dimensional DW yang sudah berjalan<br>Data Warehouse & Business Intelligence | Presentasi kelompok untuk menampilkan dan menyampaikan hasil project business intelligence yang dikerjakan. | Memenuhi |
| 13   | 507-D2 | 2026-06-25<br>15:00-17:30<br>Masuk:<br>15:01:04 -<br>17:17:43 | Menyusun makalah, menjelaskan, membuktikan hipotesis keterhubungan DSS & BI, dan menampilkan rancangan sederhana model dimensional DW. Menyusun makalah, membuat dan menampilkan rancangan arsitektur BI atau DW serta membangun rancangan model dimensional DW yang sudah berjalan<br>Data Warehouse & Business Intelligence | Presentasi kelompok untuk menampilkan dan menyampaikan hasil project business intelligence yang dikerjakan. | Memenuhi |
| 14   | 507-D2 | 2026-07-02<br>15:00-17:30<br>Masuk:<br>15:02:31 -<br>17:26:47 | Menyusun makalah, menjelaskan, membuktikan hipotesis keterhubungan DSS & BI, dan menampilkan rancangan sederhana model dimensional DW. Menyusun makalah, membuat dan menampilkan rancangan arsitektur BI atau DW serta membangun rancangan model dimensional DW yang sudah berjalan<br>Data Warehouse & Business Intelligence | Presentasi kelompok untuk menampilkan dan menyampaikan hasil project business intelligence yang dikerjakan. | Memenuhi |
| 15   | 507-D2 | 2026-07-09<br>15:00-17:30<br>Masuk:<br>15:01:14 -<br>17:23:43 | Review<br>Data Warehouse & Business Intelligence                                                                                                                                                                                                                                                                              | Presentasi kelompok untuk menampilkan dan menyampaikan hasil project business intelligence yang dikerjakan. | Memenuhi |

| Temu | Ruang  | Kehadiran                                                     | Bahan Kajian          | BAP | MONEV    |
|------|--------|---------------------------------------------------------------|-----------------------|-----|----------|
| 16   | 507-D2 | 2026-04-16<br>15:00-17:30<br>Masuk:<br>15:00:39 -<br>17:29:06 | Ujian Akhiir Semester | UAS | Memenuhi |

## Presensi Kehadiran

[illegible]

| #  | Nim      | Nama                                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | Total |
|----|----------|-------------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|-------|
| 13 | 15240436 | ABID YUMNA DWI CAHYO                | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 16    |
| 14 | 15240450 | CANGGIH WIBOWO                      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 16    |
| 15 | 15240453 | TEGAR AL RAUSULI JATMIKO            | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1  | 0  | 1  | 0  | 1  | 0  | 1  | 12    |
| 16 | 15240457 | FARREL PRAWIRA SASTRA WIJAYA        | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 16    |
| 17 | 15240459 | RAISYA AMINKHAN ROULLA              | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1  | 0  | 1  | 0  | 1  | 0  | 1  | 11    |
| 18 | 15240466 | HABIBI ANDRIAN                      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 13    |
| 19 | 15240473 | MUHAMMAD RIZKY FIRMANSYAH           | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 14    |
| 20 | 15240492 | ANGGRAINI PUTRI RAMADHANI PETTALOLO | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 13    |
| 21 | 15240498 | MUHAMMAD SYAMWIL RAZAK              | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 11    |
| 22 | 15240507 | MUHAMMAD HAFIZHUDIN                 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 12    |
| 23 | 15240508 | ECKY NURYAMAN                       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 15    |
| 24 | 15240512 | FARIZ RACHMAN ABIMANYU              | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 15    |

| #  | Nim      | Nama                       | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | Total |
|----|----------|----------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|-------|
| 25 | 15240517 | MUHAMMAD DAFFA ALFARIZI    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0     |
| 26 | 15240532 | VINCENTIUS NOVANTO KURNIA  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 15    |
| 27 | 15240541 | MOHAMAD ARIQ WIRANEGARA    | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 15    |
| 28 | 15240555 | MUHAMAD YUSUF SUPRIYADI    | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 4     |
| 29 | 15240557 | MUHAMAD FIRMANSYAH         | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 13    |
| 30 | 15240573 | FEBRIO PUTRA PRATAMA       | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 15    |
| 31 | 15240578 | RAGIEL SYIRQI TRI RANDY    | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0  | 0  | 0  | 0  | 0  | 1  | 1  | 9     |
| 32 | 15240583 | NOHAN AUREL ADANIO         | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 11    |
| 33 | 15240587 | MUHAMAD ARIQ AZIS ALHAFITS | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 0  | 0  | 1  | 1  | 0  | 1  | 12    |
| 34 | 15240589 | MUKHAMAD ARRAFI            | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 14    |
| 35 | 15240590 | MUHAMMAD SHABRY PRASETIO   | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 6     |
| 36 | 15240591 | MUHAMMAD NAUFAL ALKHAFI    | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1  | 0  | 0  | 0  | 0  | 1  | 1  | 10    |

| #                      | Nim      | Nama                   | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | Total |
|------------------------|----------|------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|
| 37                     | 15240594 | MUHAMMAD FADHILLAH     | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 0  | 1  | 1  | 11    |
| 38                     | 15240595 | ADAM RISKI MAULANA     | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 0  | 0  | 1  | 12    |
| 39                     | 15240601 | AHSANI ANASTASIA ERWIN | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 1  | 14    |
| 40                     | 15240602 | NABIL CHANDRA SETIAWAN | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 14    |
| Total Kehadiran Harian |          |                        | 34 | 36 | 32 | 33 | 26 | 34 | 36 | 37 | 29 | 34 | 21 | 18 | 15 | 29 | 25 | 36 |       |

\*Data Presensi diambil berdasarkan laman Elearning

## Penilaian

| #  | Nim      | Nama                     | Presensi | Tugas | UTS | UAS | Grade Akhir |
|----|----------|--------------------------|----------|-------|-----|-----|-------------|
| 1  | 15240305 | RISKI DWIYANTO           | 64       | 60    | 44  | 75  | C           |
| 2  | 15240311 | ILHAM MUSTOFA KAMAL      | 100      | 80    | 44  | 60  | C           |
| 3  | 15240342 | RIZKY DHARMAWAN          | 93       | 85    | 76  | 80  | A           |
| 4  | 15240361 | ILHAM JAYA               | 79       | 30    | 64  | 30  | D           |
| 5  | 15240374 | DAFA ARTA FALQAHI        | 43       | 0     | 34  | 0   | E           |
| 6  | 15240380 | IHSAN FAKHRIZA PUTRA     | 57       | 0     | 38  | 0   | E           |
| 7  | 15240400 | SYAHNA SALWA             | 64       | 75    | 58  | 60  | C           |
| 8  | 15240401 | ALEARATU ARIANA          | 93       | 90    | 50  | 75  | B           |
| 9  | 15240412 | MUHAMMAD FAKHRI HUSEINI  | 14       | 80    | 40  | 80  | D           |
| 10 | 15240416 | MEYLINDA ZELIN           | 100      | 85    | 38  | 85  | B           |
| 11 | 15240430 | SAMNI MARITO LESTIAN P   | 100      | 95    | 52  | 95  | A           |
| 12 | 15240435 | RADIF SYAGHAF SEPTYANO   | 0        | 0     | 0   | 0   | E           |
| 13 | 15240436 | ABID YUMNA DWI CAHYO     | 100      | 85    | 44  | 80  | B           |
| 14 | 15240450 | CANGGIH WIBOWO           | 100      | 80    | 48  | 75  | B           |
| 15 | 15240453 | TEGAR AL RAUSULI JATMIKO | 71       | 90    | 78  | 90  | A           |

| #  | Nim      | Nama                                | Presensi | Tugas | UTS | UAS | Grade Akhir |
|----|----------|-------------------------------------|----------|-------|-----|-----|-------------|
| 16 | 15240457 | FARREL PRAWIRA SASTRA WIJAYA        | 100      | 85    | 46  | 85  | B           |
| 17 | 15240459 | RAISYA AMINKHAN ROULLA              | 64       | 75    | 48  | 60  | C           |
| 18 | 15240466 | HABIBI ANDRIAN                      | 79       | 40    | 40  | 50  | D           |
| 19 | 15240473 | MUHAMMAD RIZKY FIRMANSYAH           | 86       | 80    | 66  | 80  | B           |
| 20 | 15240492 | ANGGRAINI PUTRI RAMADHANI PETTALOLO | 79       | 75    | 64  | 70  | B           |
| 21 | 15240498 | MUHAMMAD SYAMWIL RAZAK              | 71       | 55    | 52  | 65  | C           |
| 22 | 15240507 | MUHAMMAD HAFIZHUDIN                 | 71       | 20    | 70  | 20  | D           |
| 23 | 15240508 | ECKY NURYAMAN                       | 93       | 95    | 56  | 90  | A           |
| 24 | 15240512 | FARIZ RACHMAN ABIMANYU              | 93       | 90    | 72  | 80  | A           |
| 25 | 15240517 | MUHAMMAD DAFFA ALFARIZI             | 0        | 0     | 0   | 0   | E           |
| 26 | 15240532 | VINCENTIUS NOVANTO KURNIA           | 93       | 98    | 34  | 98  | A           |
| 27 | 15240541 | MOHAMAD ARIQ WIRANEGARA             | 93       | 50    | 40  | 50  | D           |
| 28 | 15240555 | MUHAMAD YUSUF SUPRIYADI             | 29       | 0     | 0   | 0   | E           |
| 29 | 15240557 | MUHAMAD FIRMANSYAH                  | 79       | 50    | 64  | 50  | D           |
| 30 | 15240573 | FEBRIO PUTRA PRATAMA                | 93       | 80    | 90  | 80  | A           |
| 31 | 15240578 | RAGIEL SYIRQI TRI RANDY             | 50       | 50    | 50  | 50  | D           |
| 32 | 15240583 | NOHAN AUREL ADANIO                  | 64       | 50    | 74  | 50  | D           |
| 33 | 15240587 | MUHAMAD ARIQ AZIS ALHAFITS          | 71       | 86    | 46  | 92  | B           |

| #  | Nim      | Nama                     | Presensi | Tugas | UTS | UAS | Grade Akhir |
|----|----------|--------------------------|----------|-------|-----|-----|-------------|
| 34 | 15240589 | MUKHAMAD ARRAFI          | 86       | 98    | 72  | 98  | A           |
| 35 | 15240590 | MUHAMMAD SHABRY PRASETIO | 36       | 0     | 30  | 0   | E           |
| 36 | 15240591 | MUHAMMAD NAUFAL ALKHAFI  | 57       | 40    | 40  | 40  | D           |
| 37 | 15240594 | MUHAMMAD FADHILLAH       | 64       | 60    | 28  | 60  | D           |
| 38 | 15240595 | ADAM RISKI MAULANA       | 71       | 75    | 72  | 70  | B           |
| 39 | 15240601 | AHSANI ANASTASIA ERWIN   | 86       | 70    | 40  | 50  | C           |
| 40 | 15240602 | NABIL CHANDRA SETIAWAN   | 86       | 97    | 64  | 97  | A           |

\*Data Penilaian diambil berdasarkan laman student