

Dosen : Fernando B Siahaan  
 Mata Kuliah : (0105) Data Warehouse Dan Business Intelligence  
 SKS : 3  
 Kelas : 19.6A.07 - 19605  
 Jumlah Mahasiswa : 40

| Pertemuan | Ruangan | Tanggal       | Bahan Kajian                                                                                                                                                                      | Berita Acara Pengajaran                       | Kehadiran                                                                          |
|-----------|---------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------------------------------|
| 01        | 307-b2  | 16 Maret 2024 | 1 Overview BI 2<br>Arsitektur model dan keunggulan BI 3<br>Hubungan DSS dan BI                                                                                                    | business intelligence                         | Tepat Waktu<br>Jadwal:<br>10:50-13:20<br>Masuk:<br>10:53:51<br>Keluar:<br>13:16:33 |
| 02        | 307-b2  | 23 Maret 2024 | 1 Pengertian dan Overview DW 2<br>Arsitektur DW Proses ETL Data 3<br>Implementasi dan resiko dalam pengimplementasian DW                                                          | data warehouse dan olap                       | Tepat Waktu<br>Jadwal:<br>10:50-13:20<br>Masuk:<br>10:51:29<br>Keluar:<br>13:17:42 |
| 03        | 307-b2  | 30 Maret 2024 | 1 Overview BPM 2<br>BPM vs BI 3<br>Langkahlangkah proses Closed a loop untuk mengoptimalkan kinerja bisnis -<br>Strategize - Plan - Monitor Analyze - Act adjust b<br>Performance | business performance management               | Tepat Waktu<br>Jadwal:<br>10:50-13:20<br>Masuk:<br>10:51:19<br>Keluar:<br>13:16:30 |
| 04        | 307-b2  | 20 April 2024 | 1 BPM Methodologies overview 2 BPM Methodologies Balances Scorecard 3<br>Model BPM Methodologies Six Sigma 4 Arsitektur Aplikasi BPM                                              | business performance management methodologies | Tepat Waktu<br>Jadwal:<br>10:50-13:20<br>Masuk:<br>10:52:36<br>Keluar:<br>13:17:07 |

| Pertemuan | Ruangan | Tanggal       | Bahan Kajian                                                                                                                                                                                                                 | Berita Acara Pengajaran               | Kehadiran                                                                          |
|-----------|---------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------|
|           |         |               | Performance Dashboards Overview                                                                                                                                                                                              |                                       |                                                                                    |
| 05        | 307-b2  | 27 April 2024 | 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                                                            | konsep data mining                    | Tepat Waktu<br>Jadwal:<br>10:50-13:20<br>Masuk:<br>10:52:40<br>Keluar:<br>13:16:04 |
| 06        | 307-b2  | 4 Mei 2024    | 1 Association based learning a Supervised learning b Unsupervised learning c Semi - supervised learning 2 Algoritma data mining 3 Proses data mining 4 Himpunan data dataset 5 Metode data mining 6 Pengetahuan pola model 7 | metode learning algoritma data mining | Tepat Waktu<br>Jadwal:<br>10:50-13:20<br>Masuk:<br>10:53:32<br>Keluar:<br>13:25:39 |
| 07        | 307-b2  | 11 Mei 2024   | Review                                                                                                                                                                                                                       | review materi dan quiz                | Tepat Waktu<br>Jadwal:<br>10:50-13:20<br>Masuk:<br>10:51:21<br>Keluar:<br>13:18:01 |
| 08        | 307-b2  | 18 Mei 2024   | (UTS)                                                                                                                                                                                                                        | UTS                                   | Tepat Waktu<br>Jadwal:<br>10:50-13:20<br>Masuk:<br>10:51:21<br>Keluar:<br>13:18:01 |
| 09        | 307-b2  | 25 Mei 2024   | Studi kasus menggunakan teknik klasifikasi                                                                                                                                                                                   | studi kasus                           | Tepat Waktu<br>Jadwal:<br>10:50-13:20<br>Masuk:                                    |

| Pertemuan | Ruangan     | Tanggal      | Bahan Kajian                                                                                                                                                                                                                          | Berita Acara Pengajaran   | Kehadiran                                                                          |
|-----------|-------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------|
|           |             |              |                                                                                                                                                                                                                                       |                           | 10:51:10<br>Keluar:<br>13:16:58                                                    |
| 10        | 606-b2 (kp) | 4 Juni 2024  | 1 Menyusun makalah menjelaskan membuktikan hipotesis keterhubungan DSS BI dan menampilkan rancangan sederhana model dimensional DW 2 Menyusun makalah membuat dan menampilkan rancangan arsitektur BI atau DW serta membangun rancang | Presentasi tugas kelompok | Tepat Waktu<br>Jadwal:<br>14:10-16:40<br>Masuk:<br>14:11:27<br>Keluar:<br>16:31:38 |
| 11        | 307-b2      | 8 Juni 2024  | 1 Menyusun makalah menjelaskan membuktikan hipotesis keterhubungan DSS BI dan menampilkan rancangan sederhana model dimensional DW 2 Menyusun makalah membuat dan menampilkan rancangan arsitektur BI atau DW serta membangun rancang | Presentasi tugas kelompok | Tepat Waktu<br>Jadwal:<br>10:50-13:20<br>Masuk:<br>10:51:50<br>Keluar:<br>13:15:08 |
| 12        | 307-b2      | 15 Juni 2024 | 1 Menyusun makalah menjelaskan membuktikan hipotesis keterhubungan DSS BI dan menampilkan rancangan sederhana model dimensional DW 2 Menyusun makalah membuat dan menampilkan rancangan arsitektur                                    | Presentasi tugas kelompok | Tepat Waktu<br>Jadwal:<br>10:50-13:20<br>Masuk:<br>10:51:04<br>Keluar:<br>13:16:33 |

| Pertemuan | Ruangan | Tanggal      | Bahan Kajian                                                                                                                                                                                                                          | Berita Acara Pengajaran   | Kehadiran                                                                          |
|-----------|---------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------|
|           |         |              | BI atau DW serta membangun rancang                                                                                                                                                                                                    |                           |                                                                                    |
| 13        | 307-b2  | 22 Juni 2024 | 1 Menyusun makalah menjelaskan membuktikan hipotesis keterhubungan DSS BI dan menampilkan rancangan sederhana model dimensional DW 2 Menyusun makalah membuat dan menampilkan rancangan arsitektur BI atau DW serta membangun rancang | Presentasi tugas kelompok | Tepat Waktu<br>Jadwal:<br>10:50-13:20<br>Masuk:<br>10:51:11<br>Keluar:<br>13:16:24 |
| 14        | 307-b2  | 29 Juni 2024 | 1 Menyusun makalah menjelaskan membuktikan hipotesis keterhubungan DSS BI dan menampilkan rancangan sederhana model dimensional DW 2 Menyusun makalah membuat dan menampilkan rancangan arsitektur BI atau DW serta membangun rancang | Presentasi tugas kelompok | Tepat Waktu<br>Jadwal:<br>10:50-13:20<br>Masuk:<br>10:51:11<br>Keluar:<br>13:16:24 |
| 15        | 307-b2  | 6 Juli 2024  | 1 Menyusun makalah menjelaskan membuktikan hipotesis keterhubungan DSS BI dan menampilkan rancangan sederhana model dimensional DW 2 Menyusun makalah membuat dan menampilkan rancangan arsitektur                                    | Presentasi tugas kelompok | Tepat Waktu<br>Jadwal:<br>10:50-13:20<br>Masuk:<br>10:51:11<br>Keluar:<br>13:18:30 |

| <b>Pertemuan</b> | <b>Ruangan</b> | <b>Tanggal</b> | <b>Bahan Kajian</b>                | <b>Berita Acara Pengajaran</b> | <b>Kehadiran</b>                                                                   |
|------------------|----------------|----------------|------------------------------------|--------------------------------|------------------------------------------------------------------------------------|
|                  |                |                | BI atau DW serta membangun rancang |                                |                                                                                    |
| <b>16</b>        | 307-b2         | 13 Juli 2024   | (UAS)                              | Presentasi tugas kelompok      | Tepat Waktu<br>Jadwal:<br>10:50-13:20<br>Masuk:<br>10:51:11<br>Keluar:<br>13:17:22 |

## Presensi

| Nim      | Nama                             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | Jumlah |
|----------|----------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|--------|
| 19200452 | danang hari anggoro mukti        | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 13     |
| 19210104 | ferdiansyah                      | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0  | 1  | 1  | 0  | 1  | 1  | 1  | 12     |
| 19210128 | salma aulia hadiatna             | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 13     |
| 19210250 | maxwell andreas rayando          | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 13     |
| 19210278 | ahmad hasan fadila               | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 16     |
| 19210291 | rechal                           | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 14     |
| 19210313 | aldi agustiana                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 14     |
| 19210340 | ashaf allyasa                    | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 12     |
| 19210367 | ibnu fajri                       | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 14     |
| 19210382 | bunga kartini                    | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 15     |
| 19210387 | dimas irwanto                    | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 16     |
| 19210418 | rizky apriyanto                  | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0  | 1  | 1  | 0  | 1  | 1  | 1  | 8      |
| 19210433 | arifiyan dwi syahwa              | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 15     |
| 19210439 | matthew stefanus rafael sihotang | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 10     |

| Nim      | Nama                    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | Jumlah |
|----------|-------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|--------|
| 19210531 | alinda steffany         | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 15     |
| 19210554 | dimas prabu sujianto    | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 13     |
| 19210655 | mutiara zahroo nabilah  | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 12     |
| 19210661 | chandra nur setiawan    | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 13     |
| 19210663 | hasan basri             | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 13     |
| 19210678 | elsa farhanah           | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 14     |
| 19210705 | nugraha aya putra       | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 4      |
| 19210727 | muhammad syauqi         | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 15     |
| 19210728 | fathur rahman lamalinga | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 16     |
| 19210756 | muhammad wildan jamil   | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 15     |
| 19210805 | reyhan ridotillah       | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 12     |
| 19210813 | chintya amelia putri    | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 15     |
| 19210829 | rahmat romadhon         | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 0      |

| Nim      | Nama                            | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | Jumlah |
|----------|---------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
| 19210848 | muhammad idham arfiandono       | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 14     |
| 19210855 | harry bisabakti                 | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 15     |
| 19210872 | muhammad amar rabbany trichahya | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 14     |
| 19210911 | kiki aldzikri                   | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 15     |
| 19210941 | virna agustine prihatini        | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 15     |
| 19210943 | fahmi rizal                     | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 15     |
| 19210991 | christopher nathanael novian    | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 15     |
| 19211011 | arriq zakirasli                 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 15     |
| 19211028 | firman kurniawan                | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 15     |
| 19211078 | sekar putriyani                 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 15     |
| 19211098 | ahmad rivaldo                   | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 0  | 1  | 1  | 1  | 1  | 13     |
| 19211137 | syafiq makarim musa             | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 14     |
| 19211295 | rifqy putra yuda                | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 12     |
| Total    |                                 | 32 | 39 | 33 | 33 | 35 | 36 | 35 | 40 | 30 | 34 | 35 | 23 | 32 | 40 | 40 | 40 |        |

# Nilai Akhir

| No. | NIM      | Nama                             | Nilai UTS | Nilai UAS | Nilai Absen | Nilai Tugas | Grade |
|-----|----------|----------------------------------|-----------|-----------|-------------|-------------|-------|
| 1   | 19200452 | DANANG HARI ANGGORO MUKTI        | 80        | 98        | 100         | 97          | A     |
| 2   | 19210104 | FERDIANSYAH                      | 74        | 82        | 100         | 94          | A     |
| 3   | 19210128 | SALMA AULIA HADIATNA             | 92        | 90        | 100         | 95          | A     |
| 4   | 19210250 | MAXWELL ANDREAS RAYANDO          | 94        | 90        | 100         | 94          | A     |
| 5   | 19210278 | AHMAD HASAN FADILA               | 98        | 98        | 100         | 94          | A     |
| 6   | 19210291 | RECHAL                           | 88        | 100       | 93          | 90          | A     |
| 7   | 19210313 | ALDI AGUSTIANA                   | 78        | 86        | 79          | 80          | A     |
| 8   | 19210340 | ASHAF ALLYASA                    | 86        | 86        | 93          | 90          | A     |
| 9   | 19210367 | IBNU FAJRI                       | 92        | 86        | 100         | 94          | A     |
| 10  | 19210382 | BUNGA KARTINI                    | 84        | 94        | 100         | 94          | A     |
| 11  | 19210387 | DIMAS IRWANTO                    | 8         | 94        | 100         | 94          | B     |
| 12  | 19210418 | RIZKY APRIYANTO                  | 2         | 58        | 71          | 75          | C     |
| 13  | 19210433 | ARIFIYAN DWI SYAHWA              | 84        | 86        | 86          | 85          | A     |
| 14  | 19210439 | MATTHEW STEFANUS RAFAEL SIHOTANG | 84        | 92        | 86          | 86          | A     |
| 15  | 19210531 | ALINDA STEFFANY                  | 66        | 96        | 100         | 95          | A     |
| 16  | 19210554 | DIMAS PRABU SUJIANTO             | 72        | 56        | 71          | 75          | B     |
| 17  | 19210655 | MUTIARA ZAHROO NABILAH           | 90        | 92        | 93          | 90          | A     |
| 18  | 19210661 | CHANDRA NUR SETIAWAN             | 80        | 82        | 93          | 91          | A     |
| 19  | 19210663 | HASAN BASRI                      | 86        | 76        | 100         | 94          | A     |
| 20  | 19210678 | ELSA FARHANAH                    | 86        | 94        | 100         | 95          | A     |
| 21  | 19210705 | NUGRAHA ARYA PUTRA               | 72        | 86        | 93          | 90          | A     |
| 22  | 19210727 | MUHAMMAD SYAUQI                  | 34        | 64        | 79          | 80          | C     |
| 23  | 19210728 | FATHUR RAHMAN LAMALINGA          | 2         | 98        | 29          | 25          | B     |
| 24  | 19210756 | MUHAMMAD WILDAN JAMIL            | 98        | 80        | 100         | 94          | A     |
| 25  | 19210805 | REYHAN RIDOTILLAH                | 8         | 72        | 100         | 95          | B     |
| 26  | 19210813 | CHINTYA AMELIA PUTRI             | 86        | 86        | 100         | 95          | A     |
| 27  | 19210829 | RAHMAT ROMADHON                  | 76        | 84        | 100         | 94          | A     |
| 28  | 19210848 | MUHAMMAD IDHAM ARFIANDONO        | 86        | 82        | 100         | 95          | A     |
| 29  | 19210855 | HARRY BISABAKTI                  | 44        | 80        | 79          | 80          | B     |
| 30  | 19210872 | MUHAMMAD AMAR RABBANY TRICAHYA   | 90        | 92        | 100         | 95          | A     |
| 31  | 19210911 | KIKI ALDZIKRI                    | 98        | 94        | 100         | 95          | A     |

|    |          |                              |     |     |     |    |   |
|----|----------|------------------------------|-----|-----|-----|----|---|
| 32 | 19210941 | VIRNA AGUSTINE PRIHATINI     | 90  | 96  | 100 | 94 | A |
| 33 | 19210943 | FAHMI RIZAL                  | 90  | 92  | 100 | 95 | A |
| 34 | 19210991 | CHRISTOPHER NATHANAEL NOVIAN | 98  | 100 | 100 | 94 | A |
| 35 | 19211011 | ARRIQ ZAKIRASLI              | 72  | 70  | 86  | 85 | B |
| 36 | 19211028 | FIRMAN KURNIAWAN             | 8   | 84  | 85  | 80 | C |
| 37 | 19211078 | SEKAR PUTRIYANI              | 90  | 92  | 100 | 94 | A |
| 38 | 19211098 | AHMAD RIVALDO                | 100 | 2   | 92  | 85 | C |
| 39 | 19211137 | SYAFIQ MAKARIM MUSA          | 84  | 82  | 92  | 86 | A |
| 40 | 19211295 | RIFQY PUTRA YUDA             | 12  | 84  | 100 | 90 | B |