

Nama Dosen : Siti Nurhasanah Nugraha, M.Kom  
 Nama Matakuliah : ALGORITMA PEMROGRAMAN (121001)  
 SKS : 3  
 Kelas : 12.1A.06 - 12101

### 1. Berita Acara Pengajaran (BAP)

| Pertemuan | Ruangan | Kehadiran                                           | Bahan Kajian                                                                        | Berita Acara Pengajaran                                                                        |
|-----------|---------|-----------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| 01        | 504-F1  | 2025-09-22 11:40-14:10<br>Masuk: 11:42:47 -14:02:32 | Pengertian dasar Logika dan Algoritma<br>Algoritma Pemrograman                      | Pengertian dasar Logika dan Algoritma                                                          |
| 02        | 504-F1  | 2025-09-29 11:40-14:10<br>Masuk: 11:42:07 -14:01:19 | Konsep Algoritma dan Tipe Data<br>Algoritma Pemrograman                             | Konsep Dasar Algoritma dan Tipe Data                                                           |
| 03        | 504-F1  | 2025-10-06 11:40-14:10<br>Masuk: 11:41:16 -14:01:39 | Flowchart atau Diagram Alir<br>Algoritma Pemrograman                                | Flowchart (Diagram Alir)                                                                       |
| 04        | 504-F1  | 2025-10-13 11:40-14:10<br>Masuk: 11:42:10 -14:06:55 | Struktur Branching (Percabangan)<br>Algoritma Pemrograman                           | Branching (Percabangan) – IF, IF ... Else, IF ... Elif ... Else, dan Nested IF (IF Bersarang). |
| 05        | 504-F1  | 2025-10-20 11:40-14:10<br>Masuk: 11:41:06 -14:00:12 | Looping (Perulangan)<br>Algoritma Pemrograman                                       | Looping (Perulangan) – For, While, Nested Loop (Loop Bersarang).                               |
| 06        | 504-F1  | 2025-10-27 11:40-14:10<br>Masuk: 11:41:47 -14:05:03 | Struktur Rekursif<br>Algoritma Pemrograman                                          | Struktur Rekursif – Fungsi Pangkat, Faktorial, Fibonancy, Menara Hanoi                         |
| 07        | 504-F1  | 2025-11-03 11:40-14:10<br>Masuk: 11:41:09 -13:56:18 | Review materi pertemuan 1-6 dan<br>Pengerjaan soal pra UTS<br>Algoritma Pemrograman | Quis Pra UTS                                                                                   |

| Pertemuan | Ruangan | Kehadiran                                           | Bahan Kajian                                                                      | Berita Acara Pengajaran                                                                                                    |
|-----------|---------|-----------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 08        | 504-F1  | 2025-11-10 11:40-14:10<br>Masuk: 11:41:06 -14:00:12 | (UTS)                                                                             | Ujian Tengah Semester                                                                                                      |
| 09        | 504-F1  | 2025-11-17 11:40-14:10<br>Masuk: 11:42:21 -13:58:41 | Larik (Array)<br>Algoritma Pemrograman                                            | Larik atau Array – List – Matrik                                                                                           |
| 10        | 504-F1  | 2025-11-24 11:40-14:10<br>Masuk: 11:41:11 -14:03:53 | Sorting (Pengurutan)<br>Algoritma Pemrograman                                     | Metode Divide and Conquer – Selection Sort – Bubble Sort – Merge Sort – Quick Sort – Insertion Sort                        |
| 11        | 504-F1  | 2025-12-01 11:40-14:10<br>Masuk: 11:42:09 -14:01:29 | Teknik Searching<br>Algoritma Pemrograman                                         | Teknik Searching – Sequential (Linear) Search – Binary Search – StraitMAXMIN – Divide and Conquer (D&C)                    |
| 12        | 504-F1  | 2025-12-08 11:40-14:10<br>Masuk: 11:41:13 -14:01:08 | Metode Greedy<br>Algoritma Pemrograman                                            | Metode Greedy – Optimal On Tape Storage Problem – Knapsack Problem                                                         |
| 13        | 504-F1  | 2025-12-15 11:40-14:10<br>Masuk: 11:41:18 -14:01:28 | Problema dan Model Graph dalam Metode Greedy<br>Algoritma Pemrograman             | Problema Dan Model Graph Dalam Metode Greedy – Traveling Salesman Problem – Minimum Spanning Tree – Shortest Path Problem. |
| 14        | 504-F1  | 2026-01-05 11:40-14:10<br>Masuk: 11:41:02 -13:56:51 | Coloring (Pewarnaan)<br>Algoritma Pemrograman                                     | Problema Dan Model Graph Dalam Metode Greedy – Coloring.                                                                   |
| 15        | 504-F1  | 2025-12-08 11:40-14:10<br>Masuk: 11:41:13 -14:01:08 | Review materi pertemuan 9-14 dan Pengerjaan soal Pra UAS<br>Algoritma Pemrograman | Quis Pra UAS                                                                                                               |
| 16        | 504-F1  | 2025-11-24 11:40-14:10<br>Masuk: 11:41:11 -14:03:53 | (UAS)                                                                             | Ujian Akhir Semester                                                                                                       |

## 2. Presensi Mahasiswa

| No | Nim                           | Nama Mhs                      | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | Jumlah |
|----|-------------------------------|-------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
| 1  | 12250001                      | Ilham Adiputra                | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | 16     |
| 2  | 12250004                      | Ignatius Christian Diego      | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | 16     |
| 3  | 12250005                      | Renata Widayani Wongku        | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | 16     |
| 4  | 12250009                      | Aditya Muhammad Ilham         | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | 16     |
| 5  | 12250010                      | Rafa Maulana Ibrahim          | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | x  | v  | 15     |
| 6  | 12250013                      | Dzakwan Solehudin Tsany       | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | 16     |
| 7  | 12250031                      | Sulthan Zaenal Mutaqim        | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | 16     |
| 8  | 12250033                      | Fery Kurniawan                | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | x  | v  | 15     |
| 9  | 12250042                      | Jona Rasya Pasha              | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | 16     |
| 10 | 12250043                      | Naina Septi Yanti Telaumbanua | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | 16     |
| 11 | 12250053                      | Muhammad Gusti Malik          | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | x  | v  | v  | v  | v  | 15     |
| 12 | 12250087                      | Dava Dwi Baskara              | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | v  | 16     |
|    | <b>Jumlah Mahasiswa Hadir</b> |                               | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 12 | 12 | 10 | 12 |        |

### 3. Nilai Mahasiswa

| No | NIM      | NAMA                          | Presensi | TUGAS | UTS | UAS | GRADE AKHIR |
|----|----------|-------------------------------|----------|-------|-----|-----|-------------|
| 1  | 12250001 | Ilham Adiputra                | 100      | 79    | 44  | 98  | A           |
| 2  | 12250004 | Ignatius Christian Diego      | 100      | 80    | 74  | 58  | B           |
| 3  | 12250005 | Renata Widayani Wongku        | 100      | 80    | 80  | 90  | A           |
| 4  | 12250009 | Aditya Muhammad Ilham         | 100      | 78    | 54  | 50  | B           |
| 5  | 12250010 | Rafa Maulana Ibrahim          | 93       | 81    | 74  | 74  | A           |
| 6  | 12250013 | Dzakwan Solehudin Tsany       | 100      | 82    | 90  | 98  | A           |
| 7  | 12250031 | Sulthan Zaenal Mutaqim        | 100      | 77    | 58  | 54  | B           |
| 8  | 12250033 | Fery Kurniawan                | 93       | 77    | 70  | 56  | B           |
| 9  | 12250042 | Jona Rasya Pasha              | 100      | 78    | 62  | 46  | B           |
| 10 | 12250043 | Naina Septi Yanti Telaumbanua | 100      | 79    | 52  | 90  | A           |
| 11 | 12250053 | Muhammad Gusti Malik          | 93       | 78    | 74  | 94  | A           |
| 12 | 12250087 | Dava Dwi Baskara              | 100      | 80    | 88  | 96  | A           |