

SAP Desain & Analisis Algoritma (Ganjil 2016)

| | Kelas (Selasa) | Responsi (Rabu) | Kelas (Kamis) | Praktikum (Jumat) |
|-----------------|---|--|--|--|
| 1 | [S] Course Info [R] Asymptotic Notation (non-rekursif) | (17 Agustus) | [R] Asymptotic Notation (rekursif) | [R] Rekursif [R] Linked List |
| 2 | [S] Graph Theory | [S] Graph Theory + Latihan | [S] Graph Algorithm | [S] Graph Algorithm + [P] Graph Algorithm |
| 3 | [Quiz Tertulis] Graph Theory & Algorithm | [Quiz Praktek] Graph Algorithm | [S] Binary Tree & BST | [P] Binary Tree & BST |
| 4 | [S] Disjoint Sets & MST Kruskal | (20th Jurusan) | (20th Jurusan) | [P] Disjoint Sets + Tugas ❤️ |
| 5 | [S] Hashing #1 | [P] Hashing #1 | [S] Hashing #2 | [P] Hashing #2 + Tugas ❤️ |
| 6 | [Quiz Tertulis] Tree, BST, Disjoint Sets, MST Kruskal | [S] Map + contohin codingnya | [Quiz Tertulis] Hashing | [Quiz Praktek] Map |
| 7 | Latihan UTS (tertulis) | Latihan UTS (praktek) | [Quiz Tertulis] Pra-UTS | [Quiz Praktek] Pra-UTS |
| ----- UTS ----- | | | | |
| 8 | Pembahasan UTS | [S] Priority Queue [P] Priority Queue | [S] Heap | [S] Heap [P] Modul Heap + Tugas ❤️ |
| 9 | [S] Dijkstra's SSSP + Prim's MST | Latihan Tertulis Dijkstra & Prim [P] Dijkstra & Prim | [R] Brute Force | Latihan Brute Force |
| 10 | [S] Backtracking & Forward Checking | [P] Pembahasan coding 8-Queen dengan teknik Forward Checking | [Quiz Tertulis] Priority Queue, Heap, Dijkstra & Prim | [Quiz Praktek] Brute Force + Backtracking |
| 11 | [S] Greedy | [S] Huffmann Encoding + Latihan tertulis | [Quiz Tertulis] Greedy & Huffmann Encoding | [Quiz Praktek] Greedy |
| 12 | [S] Dynamic Programming (Fibonacci, Rod Cutting) | [S] Dynamic Programming (contd.) + Latihan | [S] LIS, Yuckdonald's, Walking on a Board/Pyramid | [S] Maximum Subsequence versi DP & Greedy |
| 13 | Latihan tertulis (DP) | Latihan praktek (DP) | [Quiz Tertulis] Dynamic Programming | [Quiz Praktek] Dynamic Programming |
| 14 | Latihan UAS (tertulis) | Latihan UAS (praktek) | [Quiz Tertulis] Pra-UAS | [Quiz Praktek] Pra-UAS |
| ----- UAS ----- | | | | |

Legend

- [S] = Pembahasan slide / materi
- [R] = Review
- [P] = Pengerjaan modul praktikum

Tugas

- ❤️ Tugas programming yang dikerjakan di rumah (3 tugas perorangan) = 3 nilai
- [QUIZ Tertulis] = 6 nilai
- [QUIZ Praktek] = 5 nilai
- Quiz Pra-UTS dan Quiz Pra-UAS = 2 nilai

TOTAL 16 nilai tugas, diambil 10 nilai terbaik