

## Skedul Materi Kuliah IF2211 Strategi Algoritma Semester 2 Tahun 2022/2022

Dosen: Masayu Leylia Khodra (K1), Nur Ulfa Maulidevi (K2), Rinaldi Munir (K3)

| Minggu ke- | Materi  | Waktu  | Keterangan                    |
|------------|---|--|-------------------------------|
| 1          | <ul style="list-style-type: none"> <li>• Pengantar Strategi Algoritma</li> <li>• Algoritma <i>Brute Force</i> (2jam)</li> <li>• Tupil 1 (<i>Brute force</i>)</li> </ul>   | 17 Januari 2022<br>19 Januari 2022                       | Gabungan (online)<br>Tupil 1  |
| 2          | <ul style="list-style-type: none"> <li>• <i>Exhaustive Search</i> + Heuristic (1 jam)</li> <li>• Algoritma <i>Greedy</i> (2 jam)</li> </ul>   | 24 Januari 2022<br>26 Januari 2022                       |                               |
| 3          | <ul style="list-style-type: none"> <li>• Algoritma <i>Greedy</i> (1 jam)</li> <li>• Algoritma <i>Greedy</i> (1,5 jam) + Tubes 1: Algoritma <i>Greedy</i> (30 menit)</li> </ul>                                  | 31 Januari 2022<br>2 Februari 2022                       | Tubes 1                       |
| 4          | <ul style="list-style-type: none"> <li>• Algoritma <i>Divide and Conquer</i> (1 jam)</li> <li>• Algoritma <i>Divide and Conquer</i> (2 jam)</li> </ul>  | 7 Februari 2022<br>9 Februari 2022                       |                               |
| 5          | <ul style="list-style-type: none"> <li>• Algoritma <i>Divide and Conquer</i> (1 jam)</li> <li>• Algoritma <i>Divide and Conquer</i> (1 jam)</li> <li>• Algoritma <i>Decrease and Conquer</i> (1 jam)</li> </ul> | 14 Februari 2022<br>16 Februari 2022<br>16 Februari 2022 |                               |
| 6          | <ul style="list-style-type: none"> <li>• Algoritma <i>Decrease and Conquer</i> (1 jam) + Tupil 2 (<i>Divide and Conquer</i>)</li> <li>• DFS dan BFS (1 jam)</li> </ul>  | 21 Februari 2022<br>23 Februari 2022                     | Tupil 2                       |
| 7          | <ul style="list-style-type: none"> <li>• (tidak ada kuliah)</li> <li>• DFS dan BFS (1 jam)</li> <li>• Tubes 2 (DFS dan BFS)</li> </ul>  | 28 Februari 2022<br>2 Maret 2022                         | Libur Isra' Mi'raj<br>Tubes 2 |

| 8  | UTS  | 7 – 11 Maret 2022              |         |
|----|--|--------------------------------|---------|
| 9  | <ul style="list-style-type: none"> <li>• Algoritma <i>Backtracking</i> (1 jam)</li> <li>• Algoritma <i>Bactracking</i> (2 jam)</li> </ul>                                | 14 Maret 2022<br>16 Maret 2022 |         |
| 10 | <ul style="list-style-type: none"> <li>• <i>Branch and Bound</i> (1 jam)</li> <li>• <i>Branch and Bound</i> (2 jam)</li> </ul>   | 21 Maret 2022<br>23 Maret 2022 |         |
| 11 | <ul style="list-style-type: none"> <li>• <i>Branch and Bound</i> (1 jam) + Tupil 3</li> <li>• Algoritma A* , <i>Best First Search</i>, dan <i>UCS</i> (2 jam)</li> </ul> | 28 Maret 2022<br>30 Maret 2022 | Tupil 3 |
| 12 | <ul style="list-style-type: none"> <li>• Algoritma A* , <i>Best First Search</i>, dan <i>UCS</i> (lanjutan)</li> <li>• <i>Pattern Matching</i> (2 jam)</li> </ul>        | 4 April 2022<br>6 April 2022   |         |
| 13 | <ul style="list-style-type: none"> <li>• Regex + Tubes 3</li> <li>• <i>Dynamic Programming</i> (2 jam)</li> </ul>  | 11 April 2022<br>13 April 2022 | Tubes 3 |
| 14 | <ul style="list-style-type: none"> <li>• <i>Dynamic Programming</i> (1 jam)</li> <li>• Teori P, NP, dan NP-C (2 jam)</li> </ul>  | 18 April 2022<br>20 April 2022 |         |
| 15 | <ul style="list-style-type: none"> <li>• Teori P, NP, dan NP-C (1 jam)</li> <li>• Bebas</li> </ul>   | 25 April 2022<br>27 April 2022 |         |
| 16 | UAS  | 9 – 25 Mei 2022                |         |