

UTS

Mata Kuliah: Pemograman Web



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PROGRAM STUDI S1 TEKNIK INFORMATIKA
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TIMUR**

BAB I PROSEDUR KERJA

A. HTML

1.

```

index.html X
index.html > ...
1  <!DOCTYPE html>
2  <html lang="id">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Form Data Mahasiswa</title>
7      <link rel="stylesheet" href="style.css">
8  </head>
9  <body>
10     <div class="container">
11         <!-- Kiri: Form Input -->
12         <div class="card form-card">
13             <h2>Input Data</h2>
14             <form id="formMahasiswa">
15                 <label>Nama Lengkap</label>
16                 <input type="text" id="nama" required>
17
18                 <label>NIM</label>
19                 <input type="text" id="nim" required>
20
21                 <label>Semester</label>
22                 <input type="number" id="semester" required>
23
24                 <label>Program Studi</label>
25                 <select id="prodi" required>
26                     <option value="">- Pilih -</option>
27                     <option value="TI">Teknik Informatika</option>
28                     <option value="TM">Teknik Mesin</option>
29                     <option value="Teksip">Teknik Sipil</option>
30                     <option value="Kesmas">Kesehatan Masyarakat</option>
31                     <option value="Kesling">Kesehatan Lingkungan</option>
32                 </select>
33
34                 <label>Email</label>
35                 <input type="email" id="email" required>
36
37                 <button type="submit">Kirim Data</button>
38             </form>
39         </div>
40
41         <!-- Kanan: Info & Table -->
42         <div class="right-panel">
43             <div class="card info-card">
44                 <h2>Informasi Pengiriman</h2>
45                 <p><strong>Apa yang terjadi saat Anda klik "Kirim Data"?</strong></p>
46                 <ul>
47                     <li>✓ Data ditampilkan di Console</li>
48                     <li>✓ Data disimpan di array</li>
49                     <li>✓ Jumlah data di-update</li>
50                     <li>✓ Form akan kosong kembali</li>
51                 </ul>
52             </div>
53
54             <div class="card table-card">
55                 <h2>Table Mahasiswa</h2>
56                 <table id="tabelData">
57                     <thead>
58                         <tr>
59                             <th>No</th>
60                             <th>Nama</th>
61                             <th>Info</th>
62                         </tr>
63                     </thead>
64                     <tbody></tbody>
65                 </table>
66             </div>
67         </div>
68     </div>
69
70     <script src="script.js"></script>
71 </body>
72 </html>
73

```

B. CSS

1.

```

1  *
2  {
3    margin: 0;
4    padding: 0;
5    box-sizing: border-box;
6    font-family: "Ingo UI", sans-serif;
7  }
8
9  body {
10   background-color: #f9f9f9;
11   padding: 20px;
12 }
13
14 .container {
15   display: flex;
16   gap: 20px;
17   justify-content: center;
18   flex-wrap: wrap;
19 }
20
21 .card {
22   background: #fff;
23   border: 1px solid #ddd;
24   border-radius: 8px;
25   padding: 20px;
26   box-shadow: 0 1px 3px #0000000a;
27 }
28
29 .form-card {
30   width: 320px;
31 }
32
33 .form-card h2 {
34   margin-bottom: 10px;
35 }
36
37 label {
38   display: block;
39   margin-top: 10px;
40   font-weight: 500;
41 }
42
43 input, select {
44   width: 100%;
45   padding: 8px;
46   margin-top: 4px;
47   border: 1px solid #ccc;
48   border-radius: 4px;
49 }
50
51 button {
52   width: 100%;
53   background: black;
54   color: white;
55   border: none;
56   padding: 10px;
57   margin-top: 10px;
58   cursor: pointer;
59   border-radius: 4px;
60   transition: 0.2s;
61 }
62
63 button:hover {
64   background: #333;
65 }
66
67 .right-panel {
68   display: flex;
69   flex-direction: column;
70   gap: 20px;
71   width: 350px;
72 }
73
74 .info-card h2 {
75   margin-bottom: 10px;
76 }
77
78 .info-card p {
79   margin-bottom: 10px;
80 }
81
82 .info-card ul {
83   list-style: none;
84 }
85
86 .info-card li {
87   margin-bottom: 10px;
88   font-weight: 500;
89 }
90
91 .table-card table {
92   width: 100%;
93   border-collapse: collapse;
94   text-align: left;
95 }
96
97 .table-card th {
98   background: black;
99   color: white;
100  padding: 8px;
101 }
102
103 .table-card td {
104   border: 1px solid #ccc;
105   padding: 8px;
106   white-space: pre-line;
107 }

```

C. Java Script

1.

```

style.css  JS script.js  X
JS script.js > ...
1  const form = document.getElementById('formMahasiswa');
2  const tabelBody = document.querySelector('#tabelData tbody');
3  let dataMahasiswa = [];
4
5  form.addEventListener('submit', (e) => {
6    e.preventDefault();
7
8    const nama = document.getElementById('nama').value.trim();
9    const nim = document.getElementById('nim').value.trim();
10   const semester = document.getElementById('semester').value.trim();
11   const prodi = document.getElementById('prodi').value; // singkatan (TI, TM, dll)
12   const email = document.getElementById('email').value.trim();
13
14   if (!nama || !nim || !semester || !prodi || !email) {
15     alert("Semua field wajib diisi!");
16     return;
17   }
18
19   const mahasiswa = { nama, nim, semester, prodi, email };
20   dataMahasiswa.push(mahasiswa);
21
22   console.log("Data Mahasiswa:", mahasiswa);
23   console.log("Semua data:", dataMahasiswa);
24
25   updateTabel();
26   form.reset();
27 });
28
29 function updateTabel() {
30   tabelBody.innerHTML = '';
31   dataMahasiswa.forEach((mhs, index) => {
32     const row = tabelBody.insertRow();
33     const cellNo = row.insertCell(0);
34     const cellNama = row.insertCell(1);
35     const cellInfo = row.insertCell(2);
36
37     cellNo.textContent = index + 1;
38     cellNama.textContent = mhs.nama;
39     cellInfo.textContent = `Semester: ${mhs.semester}\nProdi: ${mhs.prodi}`;
40   });
41 }
42

```

BAB II PENUTUP

A. Hasil

Input Data

Nama Lengkap

NIM

Semester

Program Studi

- Pilih -

Email

Kirim Data

Informasi Pengiriman

Apa yang terjadi saat Anda klik "Kirim Data"?

- ✓ Data ditampilkan di Console
- ✓ Data disimpan di array
- ✓ Jumlah data di-update
- ✓ Form akan kosong kembali

Table Mahasiswa

No	Nama	Info
1	Muhammad Rifqi Ihsan	Semester: 3 Prodi: TI

Link GitHub: <https://github.com/JustYuzo/Praktikum-Pemro-Web/tree/main/UTS%20Pemro%20Web>