

# Resume PDW

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## 1. HTTP (Hypertext Transfer Protocol)

- Protokol pertukaran data antara browser dan server.
- Metode: GET, POST, PUT, DELETE.
- Status kode: 200 OK, 404 Not Found, 500 Server Error.

## 2. HTML (HyperText Markup Language)

- Struktur dasar halaman web:

html

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```
<!DOCTYPE html>
```

```
<html><head><title>Judul</title></head><body>...</body></html>
```

- Elemen penting: <h1>, <p>, <a>, <img>, <ul>, <li>.
- Form input:

html

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```
<form method="post" action="proses.php">
```

```
<input type="text" name="username">
```

```
<input type="submit">
```

```
</form>
```

## 3. CSS (Cascading Style Sheets)

- Memberi gaya tampilan:

css

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```
h1 { color: blue; font-size: 24px; }
```

- Selektor: tag, .class, #id.
- Layout: display, position, margin, padding.

#### 4. JavaScript

- Bahasa interaktif untuk web.
- Contoh:

js

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```
alert("Halo!");
```

```
document.getElementById("demo").innerHTML = "Contoh";
```

- OOP:

js

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```
class Mahasiswa {
```

```
  constructor(nama) { this.nama = nama; }
```

```
  sapa() { return `Halo, saya ${this.nama}`; }
```

```
}
```

- Standard Library: Math.random(), new Date(), array methods.

#### 5. Bootstrap 5.3

- Framework CSS untuk desain responsif.
- Gunakan CDN:

html

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```
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet">
```

- Komponen: grid (row, col), tombol, form, card, navbar, dll.

## 6. PHP + MySQL + Bootstrap (Login & Register)

- Struktur: Tabel users (id, username, password\_hash).
- Register:
  - Validasi & hash password (password\_hash()), simpan via MySQLi.
- Login:
  - Verifikasi password (password\_verify()), buat session.
- Bootstrap untuk tampilan:

html

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```
<input type="text" class="form-control">
```

- Keamanan: Validasi input, session\_start(), hashing.