**LAPORAN PRAKTIKUM DESAIN WEB A**

**“**JavaScript-Aplikasi Buku Favorit**”**

Untuk memenuhi Tugas Praktikum Desain Web

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Oleh:

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**kode HTML dan CSS**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title id="city-title"></title>

    <link rel="stylesheet" href="style.css" />

</head>

<body>

    <h1 id="city-judul"></h1>

    <div id="current-weather" class="weather-info">

*<!-- Cuaca hari ini akan ditampilkan di sini -->*

    </div>

    <h2>Ramalan Cuaca 7 Hari ke Depan</h2>

    <div id="weather-forecast" class="forecast">

*<!-- Ramalan cuaca akan ditampilkan di sini -->*

    </div>

    <script src="script.js"></script>

</body>

</html>

body {

    font-family: Arial, sans-serif;

    text-align: center;

    margin-top: 50px;

    background-image: url("mybackground.jpg");

}

.weather-info {

    margin-bottom: 20px;

}

.forecast {

    display: flex;

    justify-content: center;

    gap: 10px;

}

.day {

    padding: 10px;

    border: 1.5px solid #ccc;

    border-radius: 5px;

    width: 120px;

    background-color: #f0f0f0;

    transition: transform 0.5s ease-in-out;

}

.day hover {

    background-color: #f0f0f0;

    transform: scale(1.5);

    cursor: pointer;

}

**kode JAVASCRIPT**

const apiKey = 'da80d29fcc5c43a892b50743241510';  *// API key yang Anda dapatkan*

const city = 'Depok';

const cityJudul = document.**getElementById**('city-judul');

cityJudul.textContent = `Cuaca di ${city}`;

const cityTitle = document.**getElementById**('city-title');

cityTitle.textContent = `Cuaca ${city} dengan WeatherAPI`;

*// URL untuk API WeatherAPI*

const apiURL = `https://api.weatherapi.com/v1/forecast.json?key=${apiKey}&q=${city}&days=7`;

*// Fetch data dari WeatherAPI*

**fetch**(apiURL)

    .**then**(*response* => {

        if (!*response*.ok) {

            throw new **Error**(`HTTP error! status: ${*response*.status}`);

        }

        return *response*.**json**();

    })

    .**then**(*data* => {

        console.**log**(*data*);

*// Menampilkan cuaca hari ini*

        const currentWeatherDiv = document.**getElementById**('current-weather');

        const currentWeather = *data*.current;

        const currentIcon = currentWeather.condition.icon; *// URL gambar ikon cuaca*

        currentWeatherDiv.innerHTML = `

            <h2>Cuaca Hari Ini</h2>

            <img src="${currentIcon}" alt="Ikon Cuaca Saat Ini"> <!-- Gambar cuaca -->

            <p>Suhu: ${currentWeather.temp\_c}°C</p>

            <p>Deskripsi: ${currentWeather.condition.text}</p>

            <p>Kecepatan Angin: ${currentWeather.wind\_kph} km/h</p>

            <p>Kelembapan: ${currentWeather.humidity}%</p>

        `;

*// Menampilkan ramalan cuaca 7 hari ke depan*

        const forecastDiv = document.**getElementById**('weather-forecast');

        let forecastHTML = '';

*data*.forecast.forecastday.**forEach**((*day*) => {

            const date = new **Date**(*day*.date);

            const options = { weekday: 'long', year: 'numeric', month: 'long', day: 'numeric' };

            const formattedDate = date.**toLocaleDateString**('id-ID', options);

            const icon = *day*.day.condition.icon; *// URL gambar ikon cuaca untuk ramalan*

            forecastHTML += `

                <div class="day">

                    <h4>${formattedDate}</h4>

                    <img src="${icon}" alt="Ikon Cuaca Ramalan"> <!-- Gambar cuaca ramalan -->

                    <p>Suhu Siang: ${*day*.day.maxtemp\_c}°C</p>

                    <p>Suhu Malam: ${*day*.day.mintemp\_c}°C</p>

                    <p>Cuaca: ${*day*.day.condition.text}</p>

                </div>

            `;

        });

        forecastDiv.innerHTML = forecastHTML;

    })

    .**catch**(*error* => {

        console.**error**('Error:', *error*);

        document.**getElementById**('current-weather').innerHTML = '<p>Terjadi kesalahan saat mengambil data cuaca.</p>';

        document.**getElementById**('weather-forecast').innerHTML = '<p>Ramalan cuaca tidak dapat ditampilkan.</p>';

    });

Hasil running dari code diatas:



