**LAPORAN TUGAS PRAKTIKUM DESIGN WEB**



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**INDEX.HTML**

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Cuaca Jakarta dengan WeatherAPI</title>

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

</head>

<body>

    <h1>Cuaca di Jakarta</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>

**SCRIPT.JS**

const apiKey = 'cae92f0508434d01b8345505241510';  // API key yang Anda dapatkan

const city = 'Jakarta';

// 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;

        currentWeatherDiv.innerHTML = `

            <h2>Cuaca Hari Ini</h2>

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

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

            <img src="https:${currentWeather.condition.icon}" alt="icon">

            <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);

            forecastHTML += `

                <div class="day">

                    <h4>${formattedDate}</h4>

                    <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>

                    <img src="https:${day.day.condition.icon}" alt="Ikon Cuaca">

                </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>';

    });

**STYLE.CSS**

body {

    font-family: 'Helvetica Neue', Arial, sans-serif;

    background: linear-gradient(to bottom, #a1c4fd, #c2e9fb);

    color: #333;

    margin: 0;

    padding: 20px;

    text-align: center;

}

h2 {

    font-size: 28px;

    margin-bottom: 10px;

    color: #2c3e50;

    text-shadow: 1px 1px 2px rgba(255, 255, 255, 0.7);

}

h4 {

    font-size: 22px;

    margin: 10px 0;

    color: #2980b9;

    text-shadow: 1px 1px 2px rgba(255, 255, 255, 0.5);

}

#current-weather, #weather-forecast {

    border-radius: 15px;

    padding: 20px;

    background: rgba(255, 255, 255, 0.9);

    box-shadow: 0 4px 20px rgba(0, 0, 0, 0.15);

    margin-bottom: 20px;

    transition: transform 0.2s;

}

#current-weather:hover, #weather-forecast:hover {

    transform: translateY(-5px);

}

.day {

    border-bottom: 1px solid #e0e0e0;

    padding: 15px 0;

}

.day:last-child {

    border-bottom: none;

}

p {

    margin: 5px 0;

}

.weather-icon {

    width: 50px;

    height: 50px;

    margin-right: 10px;

}

@media (max-width: 600px) {

    body {

        padding: 10px;

    }

    h2 {

        font-size: 24px;

    }

    h4 {

        font-size: 20px;

    }

}

**HASIL**

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