## For Candidate:

## Objective

Build a simple internal web application that allows users to schedule outdoor activities (e.g., field visits, maintenance tasks) and checks the weather forecast using the BMKG API to suggest optimal time slots.

<https://data.bmkg.go.id/prakiraan-cuaca/>

## Requirements:

### Frontend

The frontend should include:

* A form to input activity name, location (sub-district/village), and preferred date.
* Display suggested time slots with favorable weather (e.g., clear or cloudy, not rainy).

### Backend

The backend should include:

* Built with PHP (Laravel/CodeIgniter) or Node.js.
* Integrate with the BMKG Weather Forecast API to fetch 3-day forecast for the selected location.
* Parse and filter forecasts to find suitable time slots.
* Return suggestions to the frontend.
* Log the activity and selected time slot in a local database.

## Instructions for the Candidate

You are required to develop both the frontend and backend applications as described above. Please submit your source code along with a brief README explaining how to run the application and any assumptions made. You may use mock data or simulate API responses if needed.