

**CARA DEMO WEBSITE SISTEM PAKAR DIAGNOSA KERUSAKAN  
LAPTOP MENGGUNAKAN METODE FORWARD CHAINING  
( PAKARLAPTOP )**

1. **Buka langsung website melalui browser**  
Link Website: <https://pakarlaptop.vercel.app>

2. **Menjalankan di local device**

**Link Repository GitHub:** <https://github.com/Alfarobby27/PakarLaptop.git>

**# 1. Clone repo**

```
git clone https://github.com/Alfarobby27/PakarLaptop.git
```

**# 2. Masuk ke direktori**

```
cd PakarLaptop
```

**# 3. Buat & aktifkan virtual environment (sangat direkomendasikan)**

```
python -m venv venv
```

**# Windows (CMD)**

```
venv\Scripts\activate
```

**# Windows (PowerShell)**

```
.\venv\Scripts\Activate.ps1
```

**# Linux / macOS**

```
source venv/bin/activate
```

#### **# 4. Install dependensi**

```
pip install --upgrade pip  
pip install -r requirements.txt
```

#### **# 5. Jalankan aplikasi**

```
# Cara 1: simple  
python api/index.py
```

```
# Cara 2: dengan debug mode (auto-reload saat edit kode)  
flask --app api/index --debug run
```

#### **#6. Buka browser:**

```
http://localhost:5000  
atau  
http://127.0.0.1:5000
```