



## Bukti Kuesioner UI GreenMetric

Fakultas : Fakultas Kesehatan Masyarakat  
Web Address : <https://www.fkm.ui.ac.id>

### [2] Energi dan Perubahan Iklim

[2.11] Berapa jumlah Jejak Karbon Fakultas anda selama 12 bulan terakhir (dalam metrik ton)

Contoh Jejak Karbon

#### Option 2: Recommended by UI GreenMetric

##### CO<sub>2</sub> (electricity)

$$\begin{aligned} &= \frac{\text{electricity usage per year (kWh)}}{1000} \times 0,84 \\ &= \frac{1.175.478 \text{ kWh}}{1000} \times 0,84 \\ &= 987,40 \text{ metric tons} \end{aligned}$$

##### CO<sub>2</sub> (bus)

$$\begin{aligned} &= \frac{\text{number of shuttle bus in your university} \times \text{total trips for shuttle bus service each day} \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0,01 \\ &= \frac{0 \times 0 \times 0 \times 240}{100} \times 0,01 \\ &= 0 \text{ metric tons} \end{aligned}$$

##### CO<sub>2</sub> (cars)

$$\begin{aligned} &= \frac{\text{number of cars entering your university} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0,02 \\ &= \frac{25 \times 2 \times 2 \times 240}{100} \times 0,02 \\ &= 4,8 \text{ metric tons} \end{aligned}$$

##### CO<sub>2</sub> (motorcycle)

$$\begin{aligned} &= \frac{\text{number of motorcycle entering your university} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0,01 \\ &= \frac{100 \times 2 \times 2 \times 240}{100} \times 0,01 \\ &= 9,6 \text{ metric tons} \end{aligned}$$

##### CO<sub>2</sub> (total)

$$\begin{aligned} &= 987,40 + 0 + 4,8 + 9,6 \\ &= 1.001,8 \text{ metric tons} \end{aligned}$$

**Carbon footprint in 2023\*** = 1.001,8 metric tons

Total Jejak Karbon FKM UI

#### Description:

1. Total jejak karbon FKM UI dalam 12 bulan terakhir adalah 1.001,8 metric tons



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2. Total jejak karbon FKM UI dibandingkan dengan total populasi tahun 2023 adalah 0,36 metric tons