



Evidence UI GreenMetric Questionnaire



University : Songkhla Rajabhat University
Country : Thailand
Web Address : www.skru.ac.th

[5] Transportation (TR)

[5.4] The total number of vehicles (cars and motorcycles with combustion engines) divided by the total campus population (TR.1)



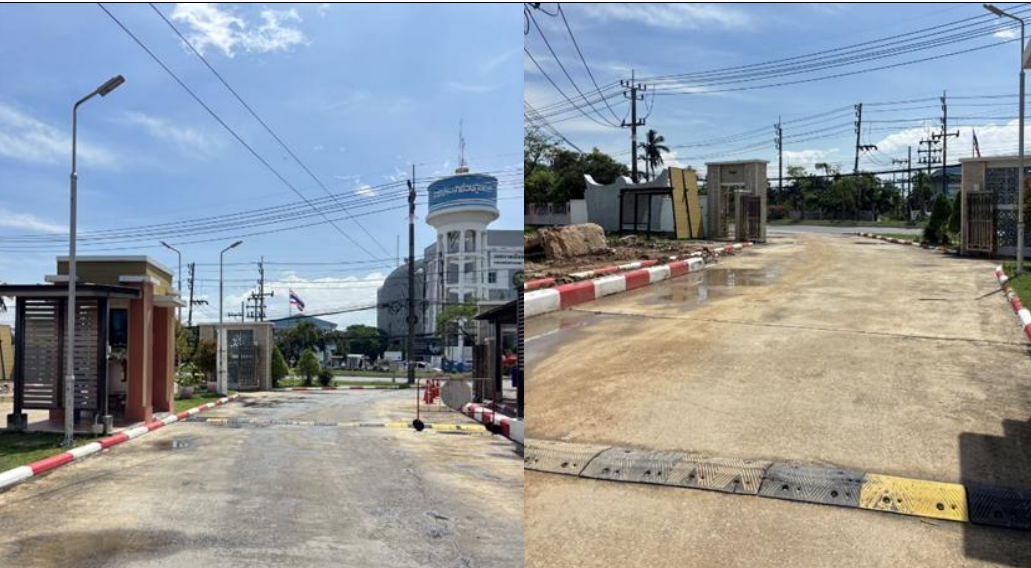
Figure: Campus entrance and exit map of Songkhla Rajabhat University, showing four main access gates used for vehicle entry, exit, traffic monitoring, and transportation management.



Entrance/Exit Gate 1



Entrance/Exit Gate 2



Entrance/Exit Gate 3



Entrance/Exit Gate 4

(Entrance/Exit Gate 4 is normally closed and opened only for emergencies or important university events, such as cultural events)

Data

No.	Details	Total Number
1.12	Total number of students	16,349
1.14	Total number of staff	740
5.1	Number of cars actively used and managed by University	27
5.2	Number of cars entering the university daily	153
5.3	Number of motorcycles entering the university daily	389

The vehicle ratio was calculated using the UI GreenMetric formula:

$$\text{Vehicle Ratio} = (5.1 + 5.2 + 5.3) / (1.12 + 1.14)$$

$$\text{Vehicle Ratio} = (27 + 153 + 389) / (16,349 + 740)$$

$$\text{Vehicle Ratio} = 569 / 17,089$$

$$\text{Vehicle Ratio} = 0.0333$$

Description:

The vehicle ratio was calculated based on the number of combustion-engine vehicles divided by the total campus population. The calculation included 27 university-managed combustion-engine vehicles, 153 combustion-engine cars entering the university daily, and 389 combustion-engine motorcycles entering the university daily. Therefore, the total number of combustion-engine vehicles used in the calculation was 569 vehicles.

The total campus population was 17,089 people, consisting of 16,349 students and 740 staff members. The calculated vehicle ratio of 0.0333 indicates a low proportion of combustion-engine vehicles compared with the total campus population. This result demonstrates Songkhla Rajabhat University's effort to reduce fossil-fuel-based vehicle use through vehicle access control, motorcycle parking regulations, Electric Shuttle services, and sustainable transportation management under the UI GreenMetric Transportation category.