



University : Universitas Padjadjaran
Country : Indonesia
Web Address : <https://unpad.ac.id/>

The total number of vehicles (cars and motorcycles) divided by total campus population



West gate (Gate B)



Main gate (Gate A)

AKSES MASUK DAN KELUAR KAMPUS UNPAD JATINANGOR

Dengan telah beroperasinya ruas Tol Cisumdawu seksi 1 Cileunyi - Jatininggor - Pamulihan Kabupaten Sumedang dan kondisi Jalan Letjen. Purn. Dr. (HC) Mashudi Jatininggor menuju Pintu Gerbang Utama Kampus Universitas Padjadjaran yang telah baik, maka diberitahukan pemberlakuan akses masuk dan keluar kampus Unpad Jatininggor sebagai berikut:

- A GERBANG UTAMA**
Akses masuk berlaku dari pukul 05.00 - 18.00 WIB
Akses keluar berlaku dari pukul 05.00 - 18.00 WIB
- B GERBANG BARAT**
Akses keluar berlaku dari pukul 05.00 - 21.00 WIB
- C GERBANG UTARA**
Akses masuk berlaku dari pukul 18.00 - 05.00 WIB
Akses keluar berlaku dari pukul 18.00 - 05.00 WIB
- D GERBANG SELATAN**
Akses masuk dan keluar bagi pejalan kaki dengan waktu operasional 24 jam.

Map labels: BGG, ITB, Jl. Let. Jend. Purn. Dr. (HC) Mashudi, Jl. Raya Bandung-Sumedang.

Social media icons: unpad, universitaspadjadjaran, radio.unpad.ac.id

Unpad vehicle access



North gate (Gate C)



South gate (Gate D)



DATA OF VEHICLES ENTERED AT UNPAD 2023

Vehicle	Monitoring Location	Number of Vehicle							Number of Vehicles in one week	Average per-day
		1	2	3	4	5	6	7		
2 wheel	Gate A & Gate C	4.474	3.618	3.583	4.431	3.613	2.946	610	23.275	3.325
4 wheel		1.782	1.494	1.499	1.774	2.294	1.825	297,5	10.967	1.567
> 4 wheel		4	5	4	11	6	2	0	32	5
Jumlah		6.261	5.117	5.086	6.216	5.913	4.773	908	34.273	4.896

No.	Vehicle	Total Number
1	Car managed by the university	139
2	Motorcycles managed by the university	53
3	Cars entering the university	1.572
4	Motorcycles entering the university	3.325
Total		5.089

Ratio of the number of vehicles toward the population of the Unpad campus:

$$\text{Ratio} = \frac{\text{Number of vehicle entering the university} + \text{Number of Unpad vehicle}}{\text{Number of Unpad population (College student + Lecturer + Administrative staff)}}$$

$$\text{Ratio} = \frac{4.896 + 192}{38.285 + 2.319 + 1.885}$$

$$\text{Ratio} = \frac{5.089}{42.489}$$

$$\text{Ratio} = 0,1198$$

Unpad has 4 entrance access gates, only 2 gates are used by vehicles to enter the campus. Gate A is used for entry and exit access during the day (05.00-18.00) and gate C is used for entry and exit access at night (18.00-05.00). Meanwhile, gate B is only used for vehicle exit access during the day (05.00-21.00) and gate D is used for pedestrian entry and exit access (24 hours). This differentiation of gate functions is carried out to facilitate monitoring by security officers and increase the level of order in vehicle traffic on campus.

In 2023, the ratio between the number of vehicles operating on campus to the population of the Unpad campus will decrease from 0.1593 in 2022 to 0.1201 in 2023. This decrease is due to a significant decrease in the number of motorized vehicles entering campus. every day, from 6,386 units to 5,089 units, the difference is 1,297 units. The number of vehicles in Unpad's inventory will actually increase in 2023, from the original 126 units to 192 units, but this is not significant compared to the decrease in the number of vehicles entering campus. Unpad regularly auctions old inventory vehicles and replaces them with new inventory vehicles that are more environmentally friendly. The following is a comparison of the ratio of the number of vehicles in 2022 to 2023:



$\text{Ratio} = \frac{6.260 + 126}{38.253 + 2.112 + 1.987}$ $\text{Ratio} = \frac{6.386}{42.352}$ <p>Ratio on 2022 = 0,1593</p>	$\text{Ratio} = \frac{4.896 + 192}{38.285 + 2.319 + 1.885}$ $\text{Ratio} = \frac{5.089}{42.489}$ <p>Ratio on 2023 = 0,1198</p>
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The decrease in this ratio could be due to the increasing confidence of the Unpad community in using public transportation to get to campus and using shuttles on campus. Apart from that, Unpad deliberately created a traffic strategy for members of the community who enter and exit campus using motorized vehicles using the north and west gates which are relatively further away, while the south gate can be used by pedestrians and motorbike riders which are a shorter distance away. With this strategy, it is hoped that lecturers, administrative staff and students will be increasingly encouraged to use the south gate on foot, then continue their journey within campus using the campus shuttle whose departure point is at the south gate. This strategy is of course expected to reduce the use of private vehicles and reduce carbon emissions on campus.

Based on campus shuttle usage data in 2023 (data up to August), there is data on the lowest rate and highest data on campus shuttle usage by passengers each month. The campus shuttles operationalized by Unpad are 11 units out of a total of 15 existing units, with the rest functioning as reserve units. The lowest campus shuttle traffic is in July and the highest is in August 2023. Each campus shuttle has an average capacity of 20 people per unit. Based on calculations that have been carried out, there are at least 2,724 to 3,443 passengers who use the shuttle every day on campus. The average number of passengers in July is the lowest because this month academic activities at Padjadjaran University are on holiday, while August is the peak when odd semester academic activities begin again.

Ritase Shuttle Campus table with the lowest average passengers in 2023

Ritase Kendaraan Angkutan Kampus Bulan Juli 2023						
No	NOPOL	Rute/ Jalur	Jumlah ritase/ bulan	Rata-rata/ bulan	Rata-rata Kapasitas Penumpang	Rata-rata Penumpang/ Hari
1	D 7007 DU	IPA	401	12,94	20	259
2	D 7008 DU	IPA	384	12,39	20	248
3	D 7009 DU	IPS	412	13,29	20	266
4	D 7010 DU	IPA	387	12,48	20	250
5	D 7011 DU	IPS	338	10,90	20	218
6	D 7012 DU	IPS	288	9,29	20	186
7	D 7013 DU	IPS	387	12,48	20	250
8	D 7014 DU	IPA	425	13,71	20	274
9	D 7404 AA	IPA	446	14,39	20	288
10	Z 7347 AA	IPA	367	11,84	20	237
11	Z 7363 AA	IPS	387	12,48	20	250
Jumlah			4222	136	220	2724



Ritase Shuttle Campus table with the highest average passengers in 2023

Ritase Kendaraan Angkutan Kampus Bulan Agustus 2023						
No	NOPOL	Rute/ Jalur	Jumlah ritase/ bulan	Rata-rata /bulan	Rata-rata Kapasitas Penumpang	Rata-rata Penumpang/ Hari
1	D 7007 DU	IPA	482	15,55	20	311
2	D 7008 DU	IPA	579	18,68	20	374
3	D 7009 DU	IPS	575	18,55	20	371
4	D 7010 DU	IPA	521	16,81	20	336
5	D 7011 DU	IPS	392	12,65	20	253
6	D 7012 DU	IPS	398	12,84	20	257
7	D 7013 DU	IPS	478	15,42	20	308
8	D 7014 DU	IPA	464	14,97	20	299
9	D 7404 AA	IPA	456	14,71	20	294
10	Z 7347 AA	IPA	476	15,35	20	307
11	Z 7363 AA	IPS	515	16,61	20	332
Jumlah			5336	172	220	3443

The average number of passengers using the Campus Shuttle is increasing every year. This reflects the increasing interest of the Unpad community in using the campus shuttle. This is accompanied by routine rejuvenation and maintenance of the campus shuttle to maintain passenger comfort. Unpad is committed to encouraging campus shuttles as public transportation which can reduce the use of private vehicles on campus.



Campus Shuttle Passengers