

## Supplementary Materials: Electric vehicle preference survey for Bali tourists survey

1. What is your residential status in Bali? \*

*Mark only one answer.*

- 1) Permanent resident
- 2) Temporary resident
- 3) Local tourist
- 4) International tourist

### Recreational activity characteristics

2. Number of visits in the last 2 years (e.g., 1, 2,...) \*

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3. Staying place in Bali \*

*Mark only one answer.*

- 1) Tabanan
- 2) Badung
- 3) Gianyar
- 4) Denpasar
- 5) Bangli
- 6) Karangasem
- 7) Klungkung
- 8) Buleleng
- 9) Jembrana

4. Recreational place in Bali \*

*Check all that apply.*

- 1) Tabanan
- 2) Badung
- 3) Gianyar
- 4) Denpasar
- 5) Bangli
- 6) Karangasem
- 7) Klungkung
- 8) Buleleng
- 9) Jembrana

5. How many places you visit in a day? \*

*Mark only one answer.*

- 1) 1
- 2) 2
- 3) 3

- 4) 4
- 5) 5
- 6) 6 or more

6. Your itinerary in Bali (you can select more than 1) \*

*Check all that apply.*

- 1) Restaurant
- 2) Mountain
- 3) Beach
- 4) Lake
- 5) Café/bar
- 6) Other:

7. Staying period \*

*Mark only one answer.*

- 1) day
- 2) days
- 3) days
- 4) days
- 5) days
- 6) days
- 7) days or more

8. Number of people traveling together/travel companion(s) (e.g., 0, 1, 2) \*

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**Travel characteristic in Bali**

9. Main transportation mode during your stay in Bali \*

*Mark only one answer.*

- 1) Bus
- 2) Paratransit
- 3) Online taxi (go-car, grab-car, etc)
- 4) Taxi
- 5) Online motorcycle taxi (go-jek, grab-bike, etc)
- 6) Car rental
- 7) Motorcycle rental
- 8) Private car
- 9) Private motorcycle

10. Average trip distance in a day \*

*Mark only one answer.*

- 1) < 2 km
- 2) 5-10 km

- 3) 10.1-20 km
- 4) 20-30 km
- 5) >30 km

### Trip cost in Bali

11. Public transportation (bus, angkot) cost per day \*

*Mark only one answer.*

- 1) Not using public transportation at all
- 2) < IDR 20,000
- 3) IDR 20,000-40,000
- 4) IDR 40,001-60,000
- 5) IDR 60,001-80,000
- 6) IDR 80,001-100,000
- 7) > IDR 100,000

12. Motorcycle/car rental cost per day \*

*Mark only one answer.*

- 1) Not renting at all
- 2) < IDR 50,000
- 3) IDR 50,001-100,000
- 4) IDR 100,001-200,000
- 5) IDR 200,001-400,000
- 6) > IDR 400,000

13. Fuel price in a day \*

*Mark only one answer.*

- 1) No fuel cost
- 2) < IDR 20,000
- 3) IDR 20,000-40,000
- 4) IDR 40,001-60,000
- 5) IDR 60,001-80,000
- 6) > IDR 80,000

14. Additional cost (toll, parking) in a day \*

*Mark only one answer.*

- 1) No additional cost
- 2) < IDR 20,000
- 3) IDR 20,000-40,000
- 4) > IDR 40,000

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**Preference towards EV**

15. Do you have electric vehicle(s) at your home? \*

*Check all that apply.*

- 1) Yes, car
- 2) Yes, motorcycle
- 3) Yes, bicycle
- 4) No

16. Do you know that Bali's government are planning to build infrastructure to support EV adoption?\*

*Mark only one answer.*

- 1) Yes
- 2) No

17. Which electric vehicle will you choose to rent in Bali? \*

*Mark only one answer.*

- 1) Motorcycle
- 2) Car
- 3) Both
- 4) None of above

18. How much will you spent for renting an electric car for a day? \*

*Mark only one answer.*

- 1) <IDR 500 thousand
- 2) IDR 500-750 thousand
- 3) IDR 750 thousand - IDR 1 million
- 4) >IDR 1 million

19. How much will you spent for renting an electric motorcycle for a day? \*

*Mark only one answer.*

- 1) <IDR 50 thousand
- 2) IDR 50-75 thousand
- 3) IDR 75-100 thousand
- 4) >IDR 100 thousand

## Stated Preference of Mode choice (example of one of the set)

### 20. Mode choice for scenario 1: \*

Mark only one answer.

Characteristics	Trans Metro Dewata	Car rental		Motorcycle rental		Car ride-hailing	Motorcycle ride-hailing
Energy source	Electricity	Fuel	Electricity	Fuel	Electricity	Fuel	Fuel
Rental cost (000 IDR)		300 k	300 k	50 k	150 k		
Daily operational cost (000 IDR)	36 k	20 k	50 k	5 k	10 k	40 k	150 k
Daily access cost (000 IDR)	10 k						
Parking cost (000 IDR)		15 k	10 k	2 k	0 k		
Travel time per trip (minutes)	45	45	35	20	25	20	45
Access time per trip (minutes)	0						
Waiting time per trip (minutes)	15					10	10
Speed of charging (kWh)			22		75		
CO <sub>2</sub> Emission (kg)	2	15	10	7	3	7	12
Distance to charging station (km)			4		2		

- 1) Trans Metro Dewata (bus)
- 2) Fuel-based car rental
- 3) Electric car rental
- 4) Fuel-based motorcycle rental
- 5) Electric motorcycle rental
- 6) Motorcycle ride-hailing
- 7) Car ride-hailing

### 21. Mode choice for scenario 2: \*

Mark only one answer.

Characteristics	Trans Metro Dewata	Car rental		Motorcycle rental		Car ride-hailing	Motorcycle ride-hailing
Energy source	Fuel	Fuel	Electricity	Fuel	Electricity	Fuel	Fuel
Rental cost (000 IDR)		400 k	300 k	100 k	50 k		
Daily operational cost (000 IDR)	18 k	50 k	20 k	40 k	20 k	60 k	200 k
Daily access cost (000 IDR)	15 k						
Parking cost (000 IDR)		15 k	0 k	2 k	2 k		
Travel time per trip (minutes)	45	45	45	15	25	15	45
Access time per trip (minutes)	10						
Waiting time per trip (minutes)	5					5	5
Speed of charging (kWh)			22		22		
CO <sub>2</sub> Emission (kg)	5	10	10	6	5	7	12
Distance to charging station (km)			4		2		

- 1) Trans Metro Dewata (bus)
- 2) Fuel-based car rental
- 3) Electric car rental
- 4) Fuel-based motorcycle rental

- 5) Electric motorcycle rental
- 6) Motorcycle ride-hailing
- 7) Car ride-hailing

## 22. Mode choice for scenario 3: \*

*Mark only one answer.*

Characteristics	Trans Metro Dewata	Car rental		Motorcycle rental		Car ride-hailing	Motorcycle ride-hailing
Energy source	Fuel	Fuel	Electricity	Fuel	Electricity	Fuel	Fuel
Rental cost (000 IDR)		400 k	300 k	100 k	150 k		
Daily operational cost (000 IDR)	48 k	100 k	50 k	40 k	20 k	60 k	200 k
Daily access cost (000 IDR)	10 k						
Parking cost (000 IDR)		10 k	15 k	7,5 k	0 k		
Travel time per trip (minutes)	60	35	35	15	20	25	45
Access time per trip (minutes)	20						
Waiting time per trip (minutes)	5					15	10
Speed of charging (kWh)			22		22		
CO <sub>2</sub> Emission (kg)	4	15	7	7	3	6	12
Distance to charging station (km)			2		2		

- 1) Trans Metro Dewata (bus)
- 2) Fuel-based car rental
- 3) Electric car rental
- 4) Fuel-based motorcycle rental
- 5) Electric motorcycle rental
- 6) Motorcycle ride-hailing
- 7) Car ride-hailing

## 23. Mode choice for scenario 4: \*

*Mark only one answer.*

Characteristics	Trans Metro Dewata	Car rental		Motorcycle rental		Car ride-hailing	Motorcycle ride-hailing
Energy source	Electricity	Fuel	Electricity	Fuel	Electricity	Fuel	Fuel
Rental cost (000 IDR)		300 k	500 k	100 k	50 k		
Daily operational cost (000 IDR)	48 k	50 k	15 k	40 k	5 k	60 k	100 k
Daily access cost (000 IDR)	15 k						
Parking cost (000 IDR)		15 k	10 k	7,5 k	5 k		
Travel time per trip (minutes)	30	45	25	25	25	25	25
Access time per trip (minutes)	10						
Waiting time per trip (minutes)	10					10	10
Speed of charging (kWh)			75		75		
CO <sub>2</sub> Emission (kg)	2	12	7	5	3	6	15
Distance to charging station (km)			4		4		

- 1) Trans Metro Dewata (bus)
- 2) Fuel-based car rental
- 3) Electric car rental
- 4) Fuel-based motorcycle rental

- 5) Electric motorcycle rental
- 6) Motorcycle ride-hailing
- 7) Car ride-hailing

24. Mode choice for scenario 5: \*

*Mark only one answer.*

Characteristics	Trans Metro Dewata	Car rental		Motorcycle rental		Car ride-hailing	Motorcycle ride-hailing
Energy source	Fuel	Fuel	Electricity	Fuel	Electricity	Fuel	Electricity
Rental cost (000 IDR)		500 k	400 k	100 k	150 k		
Daily operational cost (000 IDR)	18 k	50 k	15 k	5 k	20 k	60 k	150 k
Daily access cost (000 IDR)	10 k						
Parking cost (000 IDR)		10 k	0 k	7.5 k	5 k		
Travel time per trip (minutes)	30	45	45	15	20	25	35
Access time per trip (minutes)	10						
Waiting time per trip (minutes)	15					15	10
Speed of charging (kWh)			75		22		
CO <sub>2</sub> Emission (kg)	5	10	7	5	5	6	10
Distance to charging station (km)			2		2		

- 1) Trans Metro Dewata (bus)
- 2) Fuel-based car rental
- 3) Electric car rental
- 4) Fuel-based motorcycle rental
- 5) Electric motorcycle rental
- 6) Motorcycle ride-hailing
- 7) Car ride-hailing

25. Mode choice for scenario 6: \*

*Mark only one answer.*

Characteristics	Trans Metro Dewata	Car rental		Motorcycle rental		Car ride-hailing	Motorcycle ride-hailing
Energy source	Fuel	Fuel	Electricity	Fuel	Electricity	Electricity	Electricity
Rental cost (000 IDR)		400 k	400 k	50 k	150 k		
Daily operational cost (000 IDR)	18 k	50 k	20 k	5 k	10 k	40 k	150 k
Daily access cost (000 IDR)	20 k						
Parking cost (000 IDR)		20 k	15 k	7.5 k	0 k		
Travel time per trip (minutes)	45	35	25	20	20	20	45
Access time per trip (minutes)	20						
Waiting time per trip (minutes)	15					15	5
Speed of charging (kWh)			75		22		
CO <sub>2</sub> Emission (kg)	4	10	7	6	3	5	10
Distance to charging station (km)			4		4		

- 1) Trans Metro Dewata (bus)
- 2) Fuel-based car rental
- 3) Electric car rental

- 4) Fuel-based motorcycle rental
- 5) Electric motorcycle rental
- 6) Motorcycle ride-hailing
- 7) Car ride-hailing

### Personal characteristic

26. Age \*

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27. Gender \*

*Mark only one answer.*

- 1) Male
- 2) Female
- 3) Prefer not to answer

28. Monthly income \*

*Mark only one answer.*

- 1) < IDR 3,000,000
- 2) IDR 3,000,000 - IDR 5,000,000
- 3) IDR 5,000,001 - IDR 7,000,000
- 4) IDR 7,000,001 - IDR 10,000,000
- 5) IDR 10,000,001 - IDR 15,000,000
- 6) >IDR 15,000,000

29. Occupation field \*

*Mark only one answer.*

- 1) Civil Servant
- 2) Private company employee
- 3) Lecturer/teacher
- 4) Student
- 5) Health worker
- 6) Housewife
- 7) Self-employed/entrepreneur
- 8) Free-lancer
- 9) Unemployed/retired
- 10) Other: \_\_\_\_\_