Optimizing Transjakarta Service through Integration

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58% of Jakarta residents live within 1 kilometer from Jakarta BRT Stations.

Transjakarta BRT Coverage Area

- 225 kilometer
- US$1.1 billion
- 15 years in operation
- Carries 700K pax/day
Transjakarta Route Coverage Map

Service Coverage

58% of Jakarta area
(42% in 2014)

68% of Jakarta population
(54% in 2014)

Source:
Transjakarta Analysis
National Statistics Bureau
Fleet Transformation

**Before**

**Medium Bus**
Poor condition, stops anywhere, polluting

**Micro Bus**
Stops anywhere, sometimes old fleets are still running

**After**

**Medium Bus**
More modern, stops at dedicated place, more environmental-friendly (400 integrated fleets)

**Micro Bus**
Card-reader on the dashboard, stops at dedicated place (800 integrated fleets)

Transjakarta also introduces low-entry buses that run off the BRT corridor and take passengers from bus stops located on the sidewalk.
Transjakarta Passengers and Corridors

Number of Corridors

Annual Passengers

- Number of Corridor
- Annual Passengers

Transjakarta Passengers and Corridors
Transjakarta Passengers and Routes

- Number of Routes
- Annual Passengers

Data for years 2004 to 2018:
- Number of Routes: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18
- Annual Passengers: 20,000,000, 40,000,000, 60,000,000, 80,000,000, 100,000,000, 120,000,000, 140,000,000, 160,000,000, 180,000,000, 200,000,000

Graph shows a significant increase in both number of routes and annual passengers from 2004 to 2018.
13 Corridors
201 Routes
2,400 Buses
800k Daily Ridership
Transition Process

Dealing with Informal Operators

Microbus reform identification
- 3 – 6 months
- Political will and target setting from government
- Problem identification
- Revenue & operational characteristics
- Workforce analysis

Trust & knowledge building
- Around 3 months
- Capacity building
- Benchmark field study to other places

Negotiation
- 6 – 12 months
- Business model
- Payment scheme
- Responsibility distribution
- Service agreement
- Control mechanism

Implementation
- Around 6 months
- Pilot project
- Supervision and evaluation

OK-OTRIP which later become Jak-Lingko is an integration scheme introduced by the Jakarta government

Operators were invited by the Jakarta government for benchmarking study to Seoul Metropolitan Government

Weekly discussion and negotiation with the existing operators

Pilot project was started with three routes in January 2018
The Power of Microbuses as Feeder

40 Integrated routes

110k Daily passengers

13.8% From the total of daily Transjakarta ridership
3% of Jakarta residents live within 1 kilometer from Jakarta MRT Stations.

Jakarta MRT Coverage Area

- 16 kilometer
- US$1.4 billion
- 4 years construction
- 10 years planning
- Opened in March 2019
- Carrying 80K pax/day
Integration with Other Modes

53 Potential Integrated Locations
Integration with Other Modes

Direct Connection Between Modes

Transjakarta – MRT Phase 1

Transjakarta – MRT (Existing)

Transjakarta – LRT (Design)

Transjakarta – LRT (Existing)
Thank You!