



Inclusive Stations Prototyping Project

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Project Background



Halimun



Pasar Baru



Kebon Jeruk



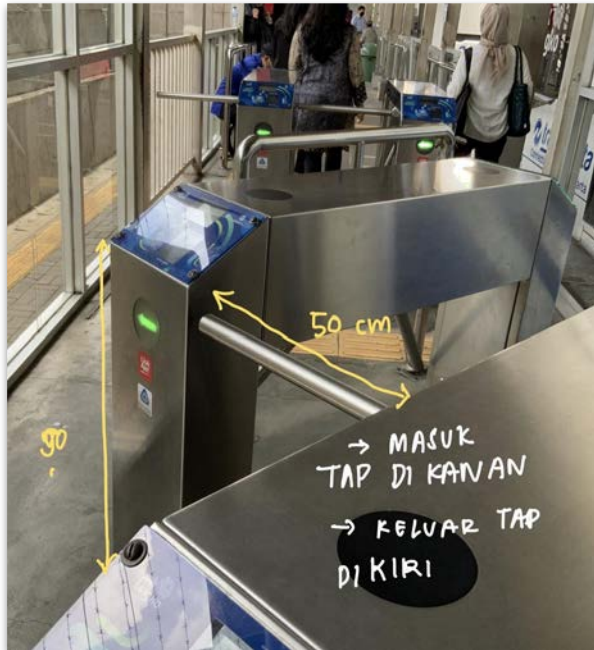
Gunung Sahari Mangga Dua

Transjakarta has placed “accessibility” signage at some BRT stations. Nevertheless, these stations are still difficult to access by vulnerable groups, especially for people with disabilities.

Some issues raised by users are:

- The absent of guiding block from the sidewalk to stations
- The limitation of available audio and visual information on passengers circulation at stations
- The lack of inclusive features on enabling vulnerable groups in accessing safe and security public transportations

The Issues



Project Timeline



Preliminary Survey

August-September 2022



Adjustment with PERTUNI

October 2022



Pilot Phase 2

November 2022

October 2022

Pilot Phase 1



November 2022

Instalment and Survey



14-20 November 2022

Public Trial



The Interventions

Visual and Audio Information

Kondisi Awal

- Tidak adanya informasi audio yang membantu mengarahkan atau mengkonfirmasi arah ubin pemandu
- Minimnya informasi visual mengenai rute, pintu peron, dan antrian
- Banyak hambatan di jalur pemandu

Intervensi

Informasi Visual

- Nomor pintu
- Rute dan tujuan

Informasi Audio

- Tombol audio di kolom samping pintu dengan informasi rute yang tersedia di pintu peron tersebut
- Penambahan ubin pemandu untuk mengarahkan ke tombol audio

Braille Map and Card Placement Sign

Kondisi Awal

Belum ada informasi orientasi halte sebelum masuk

Intervensi

Informasi Braille pada Handrail:

- Nama halte
- Urutan pintu peron dan rute di masing-masing pintu

Kondisi Awal

Posisi tap kartu tidak bisa diidentifikasi dengan indra peraba

Intervensi

Penanda Taktil di Area Tap Kartu

- Siku penanda tepi kartu
- Pelapis bertekstur di area kartu

Bus Stop Adjustment

Kondisi Awal

- Tidak adanya informasi bus stop low deck meskipun sudah dibuat area untuk naik turun
- Tidak adanya jalur pemandu yang mengarahkan ke bus stop

Intervensi

Menyambungkan ubin pemandu yang terputus serta memberikan pengarah ke pintu bus low deck dan papan informasi

The Interventions



1

Braille Station Map

In pairing with the tactiles, the map will guide people with low vision and/or visual impairment on the right gates and priority seatings.



2

Card Placement

Ensure the easy card placement on sensor.



3

Audio Information at Gate

Test both manual and auto audio information giving clear information of gates, and number of bus that will stop at that gates.



4

Gate Number & Name

Adjust the placement and font size considering the readability for older persons.



5

Information Board at Curb-side Stops

Additional board of information containing the list of operated routes, schedules, and emergency numbers. Additional braille information is also added. Audio information is recommended but not tested.



6

Waiting Space at Curb-side Stops

Dedicated priority seatings with clearer line for que.

The Interventions



Halte Transjakarta

Bus Stop



Uji coba informasi audio dan visual di dalam peron



Uji coba tapping gate taktil



Uji coba informasi taktil dan braille di handrail pintu masuk



Uji coba pengaturan antrean Mikrotrans dan Low Deck



Uji coba informasi visual dan taktil braille pada papan informasi bus stop

The Interventions



The Feedbacks



1

Braille Station Map

- The needs on adjusting the map with the tactile and the countings of it
- The needs on linking the gate to the priority seats available on the fleets
- The needs on installing the features to other spaces on the station



2

Card Placement

The needs on changing the color



3

Audio Information at Gate

The needs on upgrading the system into automatic system linked to the real-time fleets arrival



4

Gate Number & Name

Update the standard to follow the tested font size



5

Information Board at Curbside Stops

- Adjustment on the placement and font size
- The needs on installing additional higher signage equipped with light
- The needs on upgrade automatic audio sensor



6

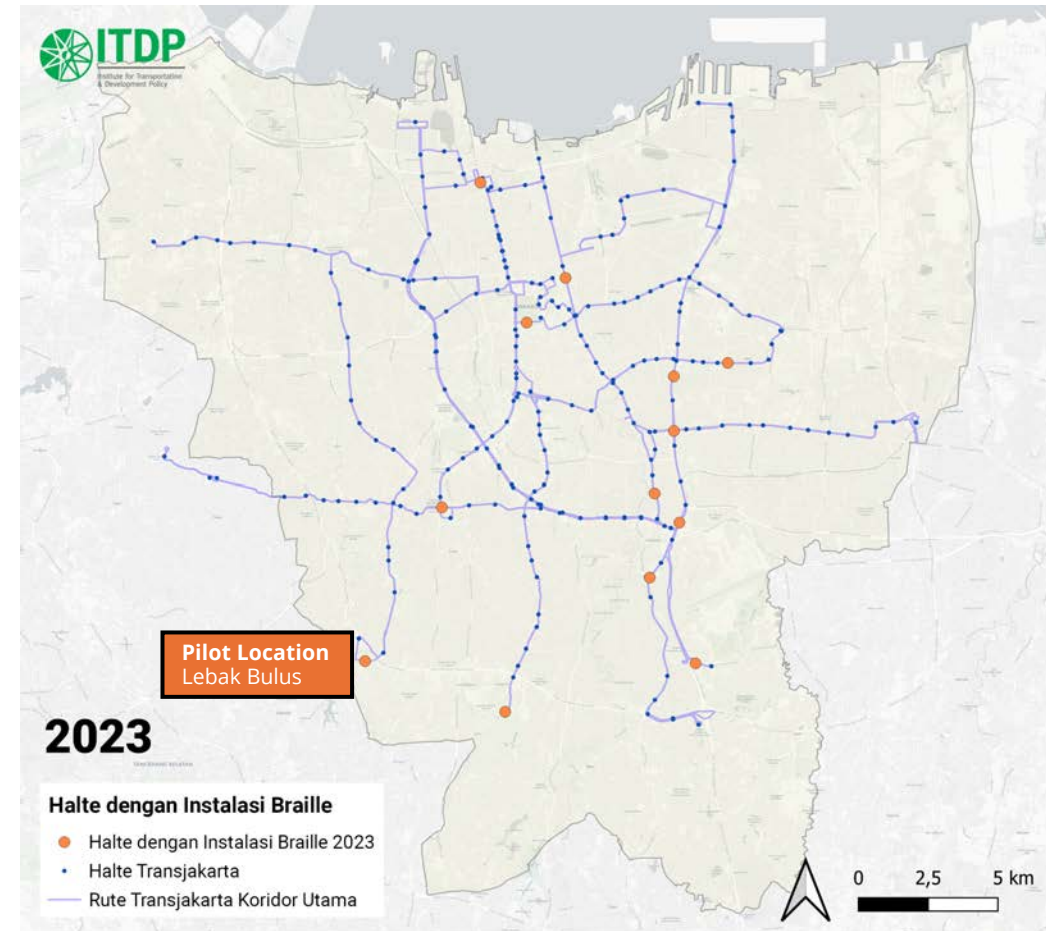
Waiting Space at Curbside Stops

The needs on integrating the tactile with the priority seats

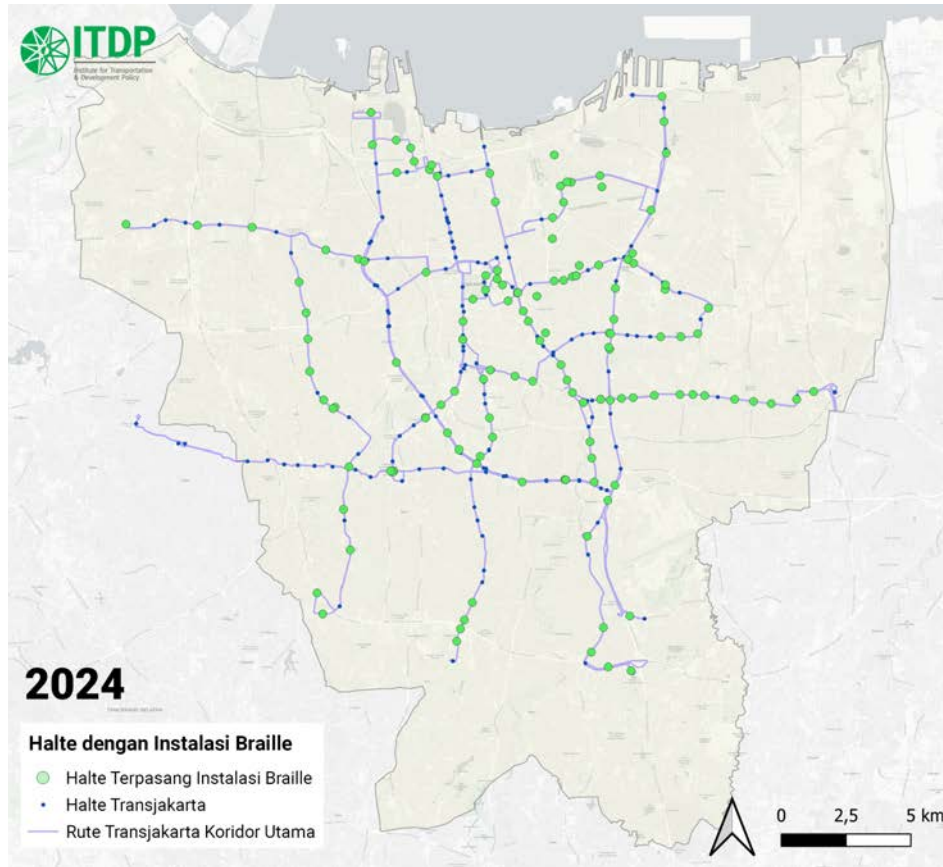
Project Scale Up

13 BRT Stations

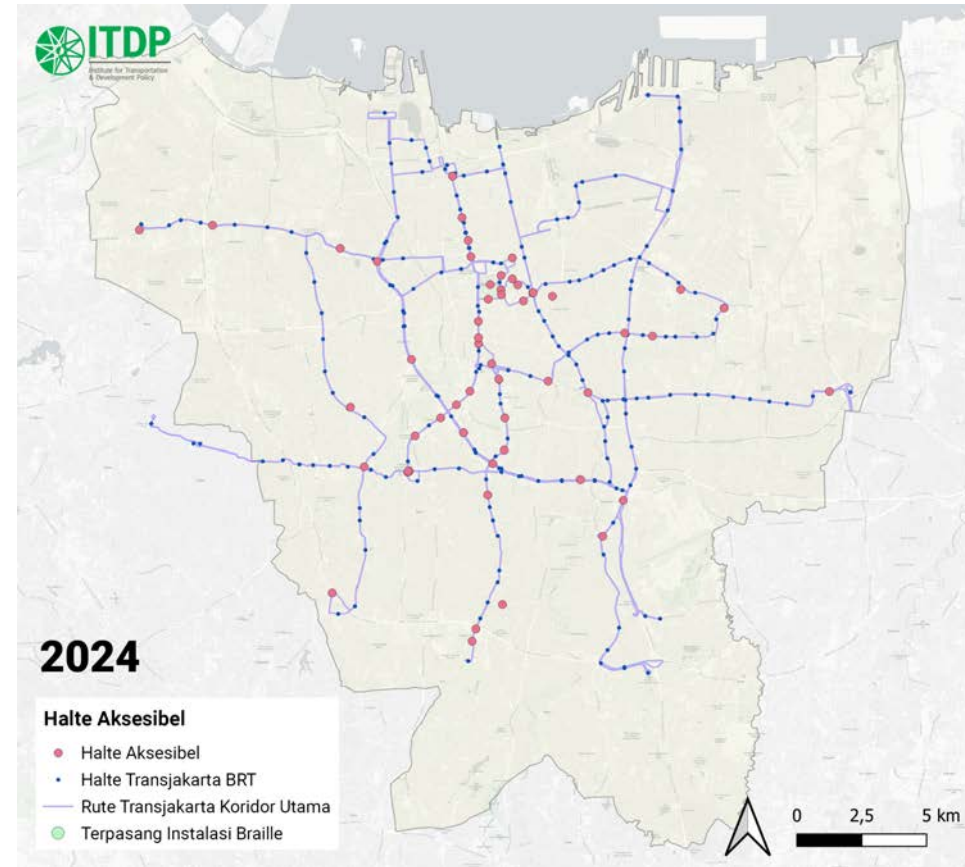
2023, PERTUNI was hired as an expert consultant for Transjakarta, enabling their vendor to scale up the installation of braille maps into 13 BRT stations.



Project Scale Up



144 stations has installed braille map



55 stations are reviewed as accessible stations

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Thank you.

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