

DAR ES SALAAM TRIPPLANNER

This is a multimodal Dar es salaam tripplanner using BRT and daladala as main transit agencies. User can view different possible trip itineraries if the used points are within Dar es salaam region and are not on the residential streets.

HOW IT WORKS.

1. There are BRT routes(29) with (172) BRT stops, these stops can be used for routes through Morogoro road and kawawa road.
2. There are all bus routes. To integrate these routes in the tool, bus stops and bus routes shapefiles are needed. After that the shapefiles will be converted to gtfs files which will be used added to the Dar es salaam osm map.
3. There is one rail route ubungu-posta. Here rail routes and rail stops shapefiles will be used to generate the gtfs.

WHY THIS AND NOT GOOGLE MAPS

The main difference of this tool and Google maps is that Google maps does not provide trip plans from the Dar es salaam transit agencies.

WORK TO DO

Improving efficiency showing function, this will make user see which itinerary with which agency is more efficiency in terms of time.

Fixing analyst function to work perfectly with appropriate colors.

Having a look at how the tool will deal with congestion problems, so as it became realistic.

Collection and usage of real transit data.

CHALLENGES

The tool doesn't support car navigation.

CONCLUSION

The tool can be access here <https://dar-tripplanner.herokuapp.com/>