

RDPS

A desktop system prototype for employee or manager to find an optimal path in rice distribution process

Objectives



Implement PSO Algorithm in Prototype System



Make the allocation easier and more efficient!



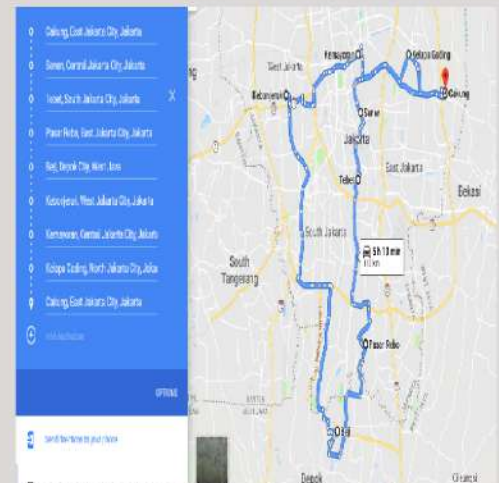
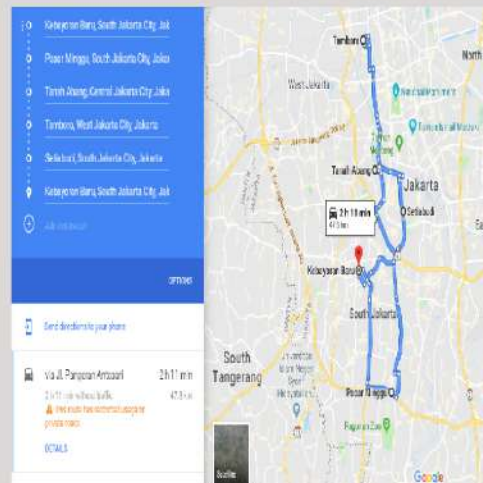
Saving money, by cutting the expense!

Main Features

Completed at iteration: 10
 Global Best Path: [Kebayoran Baru, 'Pasar Minggu', 'Tanah Abang', 'Tambora', 'Setiabudi', 'Kebayoran Baru']
 Cost: 14534
 Total update taken to get solution: 2
 Number of trips: 1
 This trip take 132 minutes

Completed at iteration: 10
 Global Best Path: ['Cakung', 'Senen', 'Tebet', 'Pasar Rebo', 'Beji', 'Kebon Duri', 'Kebayoran', 'Kejaya Gadin']
 Cost: 10654
 Total update taken to get solution: 1
 number of trips: 1
 This trip take 158 minutes

Total incurred cost: 121188
 Kebayoran Baru : 4350 kg Time: 348
 Cakung : 97640 kg Time: 182



System prototype show optimal path to distributed and how much is cost

Use the optimal path as reference to draw the path in Google Maps Application

Results



Travelable Path



Easier to Tracking



Faster Allocation



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