Abstract

The high complexity of the delivery of goods at PT. POS INDONESIA heading into a new problem on the company to determine an effective route. In addition, the weight of diferrent item and transport capacity of different also be a problem for a company. Therefore, needed a system that can handle the above problem. In this final project, the method used Evolution Strategies to address these problems. In Evolution Strategies, mutation step size are useful to produce varying results so it is likely found optimal results better. Result from the mutation step size will be used for the number of chromosomes to be mutated. In this final project, mutation which used to is swap mutation. The mutation step size used in this final project are 3, 5 ,and 7. While iterations used is 200 in each experiments.

Keywords : Evolution Strategies, Mutation step size, chromosomes, Mutation, Swap Mutation, Iteration.