Abstract

Continuous optimization problem is part of optimization problem categorized by characteristic of the problem. In this problem, the variable those used in the objective function are real number. Galaxy-based Search Algorithm(GbSA) is one of a metaheuristic algorithm. GbSA takes analogy from galaxy in outer space. GbSA has two main component : Spiral chaotic move and local search. Local search used for finding better solution within search space area near current solution. Meanwhile, spiral chaotic move used for finding better solution within all search space area. The objective of this final project is to prove that GbSA is an effective and efficient searching algorithm by tested it with some continuous function and compare the result with PSO
Kata kunci: *GbSA, metaheuristik, fungsi kontinu, local search, PSO, spiral chaotic move*