Abstract

Scheduling on Operating System is one of important factor in general. Scheduling Process on Operating System can be described as Process which can allocate in processor that average response time, turnaround time dan normalized turnaround time from system can be minimal. Problem in scheduling categorize in NP-Complete Problem that there is no algorithm can produce optimal output in polynomial. Therefore, in scheduling problem which can be measured the optimal solution can be found. There is a way to find adaptive solution and can be certifiable to solve real problem in scheduling. Genetic Algorithm is a searching technique that can simulate process with natural selection and evolution. Genetic Algorithm work like a natural process from evolution which means forward to optimal solution. Principe Genetic algorithm is to create population from individual that can adaptation in natural environment.

Genetic Algorithm has a better quality process than *Multilevel Feedback Queue* Algorithm if it works with a little bit process and has not many variant. In general, Genetic algorithm has a not good response for process than *Multilevel Feedback Queue* algorithm.

Keyword: Scheduling, Operating System, *Average Response time, Turnaround Time, Normalized Turnaround Time*, Genetic Algorithm.