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.