ABSTRACT

In an education system , in university , does not distracted from course scheduling problem. Bad scheduling will interfere with course activities in that university. Hopefully, a schedule that been made by a university is a good schedule, so it does not bring much problems for all side , students, university, lecturer and the others.

Because of that, a system that can be used in course scheduling to get an optimal schedule solution is needed. In this final task, there are an effort to do courses scheduling used hybrid genetic algorithm simulated annealing. Hybrid genetic algorithm simulated annealing, itself is using genetic algorithm and simulated annealing together to solve a problem.

From this result that been got by hybrid genetic algorithm simulated annealing, optimal parameter be searched . In this final task it is compare between genetic algorithm and hybrid genetic algorithm simulated annealing based on generation.

Key words : *scheduling, genetic algorithm, simulated annealing*