ABSTRACT

Conflicts that occurred in course scheduling commonly depend on state variable of lecturers, students, rooms and time available.

Solving this optimization problem can be done by designing and developing course-scheduling software with Genetic Algorithm approaches. Its hope that could be minimized conflicts occurred in course schedule and provides more easier for educational to served lectures and students need.

Experiments result showed that Genetic Algorithms can produces course schedule with less conflicts, better than manually course schedule.

Key words: course schedule, optimization, software, genetic algorithm.