## Abstract

University course timetabling is a complex problem. Because there are so many rules that need to be consider, such as conflict classes, conflict lecturers, room conflict and other rules that influence in it. The rules divided into hard constraint and soft constraint. There's method that can be used in optimizing the scheduling course, using firefly algorithm. Dataset that we used, is the data lectures from Faculty of Informatics IT Telkom, Bandung. The result shows that firefly algorithm gives an accuracy of 100% in 103 meetings and scheduling with fairly good accuracy that is 93% for the hard constraint on the data handler for scheduling 286 meetings.

Keywords : university course timetabling, firefly algorithm.