ABSTRACT

SCHEDULING INFORMATION SYSTEM USING ALGORITHM IN ACADEMIC BACKTRACK SMAN 2 PURWAKARTA

By

Ayu Afriana Sari

10108850

In a school the teacher scheduling information is very important thing so that an effective learn-teach activities are happened and it is to fulfill a curriculum provision target which is determined by SMAN 2 Purwakarta. In generally, the scheduling principle is how to put some events into available time slot, and then there are not rest resources.

For scheduling, in SMAN 2 Purwakarta is how to put some teachers into available teaching time at all classrooms are fulfilled without same schedule among teachers. While about work mechanism of this application is to do an input parameter as used parameter to determine a schedule and available criterions in SMA 2 Purwakarta, relate to this scheduling information system teaching method is used an "Algorithm Backtrack". It is caused that algorithm can to use to seeking for solution with already data numbers.

In this case is needed a solution that is how to put the teachers schedule into already slots with to do a testing to all already criterions, and from side result this information system is not having accurate level yet as in manual system, but the purpose to make a system is to easily curriculum section to determine a schedule in quick and precise ways with use an automatic counting so the output this information system could be used as media to compose a teach schedule.

Keywords : System information, scheduling, Backtrack.