ABSTRACT

DEVELOPMENT INFORMATION SYSTEM OF COMMUNITY SERVICE PROGRAM/KULIAH KERJA NYATA (KKN) LAMPUNG UNIVERSITY WITH GREEDY ALGORITHM TO DETERMINE THE GROUPING OF KKN PARTICIPANTS (CASE STUDY: LAMPUNG UNIVERSITY)

By:

Harisa Eka Septiarani

Activity of Community Service Program/Kuliah Kerja Nyata (KKN) at Lampung University is an intra-curricular activity that combines the implementation of Tri Dharma Perguruan Tinggi with a method of providing learn and work experience to students in community development activities. In its practice, a student who has been eligible to join KKN activity will be grouped according to predetermined criteria. In this study, it has been developed an Information System of Community Service Program/Kuliah Kerja Nyata (KKN) Lampung University with Greedy Algorithm to determine the grouping of KKN participants. The main concept of greedy algorithm is to take the best choice which can be acquired at the time without regard to the consequences in future. Implementation of greedy algorithm performed with composition of the division of participants in the group equally by faculty, gender, and department.

Keywords: Greedy Algorithm, KKN (Kuliah Kerja Nyata)/Community Service Program