**ABSTRACT** 

Each semester students have a duty to take course according to available package

from faculty during registration period. But sometimes students are confused in

taking courses, such a courses that need to be repeated, a pre-requisite issues etc.

Nowdays, there is no system in IT Telkom that can handle that problems, because

the existing guides are static and non-specific. Recommender system is the

suitable solution because it can provide a recommendation for an item that meet

the desires and needs of the user.

Recommendation result was generated from data of user profile student and then

using Knowledge-based method for processing system's knowledge. In the next

step, using user based collaborative filtering for searching a similar user based on

a taking of optional course in history data. Rating that used to determine user

similarity is optional course score, and then give recommendation based on

highest similarity.

When testing phase the result from 8 students of 2008 shows that average

accuracy is about 77.846 percent and that means hybrid method is good enough

for this case.

**Keywords** 

: recommender system, user profile, user similarity, knowledge-

based, collaborative-filtering

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