

## Abstract

In order to choose a selective course, usually student has a interest or some criteria. At IT TELKOM, informatics engineering has a various course and each of them has a different characteristics. Sometimes with many choice can make a student unsure for choosing a selective course. So, academic recommender system is build to help the student by giving a selective course recommendations.

The system is build using a content-based method which is the result of the recommendation based on user profile without influence other user. This method using a vector space representation for giving a similarity value between documents, in this case a selective courses. However, different with system with tfidf for term weighting, in this project using a BM25-TFIDF for term weighting but still use cosine similarity to calculate the similarity

The result of the experiments shows that the BM25-TFIDF has a higher accuracy than tfidf.

**Keywords:** *term weighting, tf-idf, bm25, recommender system, academic, content-based*