Abstract

Nowdays many University in Indonesia have result many final task, Genarally before final task proposed, firt University student have to chek the final task before. This system is designed based on web to avoid final task similarity, so who intersted on can check final task propose among final task which ever had in all university by online.

The method used in implementation system is Latent Semantic Indexing (LSI). LSI is a algorithm

LSI adalah algoritma yg menentukan apakah hasil pencarian relevan dengan apa yg dicari dengan cara memproses data berdasarkan jumlah kata

LSI can determine a relevant statement to compare with other statement in database. Searching more accurate if more word may have in a document. Purpose of LSI is find a efectif model to representation a relation between key word and document that is searched.

Beside on the result of analysis and testing. The conclusions are increase of data can make increase of searching time. The best persentase of *rank k* when searching *query* 20 % from total data, change of *rank k* not to be influenced searching time, change of *query* can not change the best *rank k* and can not to be influential concern to searcing time.

Keywords: LSI, the title of TA, relevant, *precission, recall*