# Abstract

The rapid usage of internet as an information spreading medium causes information availability in the large amount, various, and commonly unstructured. This lead to the need of information management to get useful knowledge. One of important components in information management is text categorization that can help user to get information based on certain category fast and accurately.

In this final project will be used Feature Projection and k-Nearest Neighbor Feature Projection (k-NNFP) to classify Indonesian news document. From resulted software, it will be measured performance and classification time from both classifier in many data sets and compared to k-Nearest Neighbor.

Feature Projection and k-Nearest Neighbor Feature Projection (k-NNFP) have high performance and varied in many data sets but it have little difference. From the research in this final project also can be known that Feature Projection has faster classification time compared to k-NNFP and k-NN. This is demonstrated that Feature Projection can be a useful classifier in text categorization process that needs high performance and high speed.

Keywords: Feature Projection, k-Nearest Neighbor Feature Projection , k-Nearest Neighbor, classifier.