

## Abstract

The purpose of the research, **A Study on results of information retrieval using human-weighted indexing technique**, was to investigate the search results of two indexing techniques used in the information retrieval system and the search results of two user groups, and to compare the users' opinion on weighted indexing technique.

The results were as follows:

1. Significant differences were found between the unweighted information retrieval system's results and the weighted information system's results in these variables; (1) relevance ratio (2) proportion of low and high level relevance items (3) quantity of search terms (4) proportion of evaluated items (5) satisfaction in information retrieval system.

2. Significant differences were found between students and librarians in these variables; (1) quantity of search terms (in unweighted information retrieval system) (2) proportion of relevance items that marked as fulltext wanted in some level-pair cases (3) Proportion of evaluated items.

3. Satisfaction with 3-level weighted index and index terms used in the weighted information retrieval system was high with no significant differences between students' and librarians' satisfaction. Most students' and librarians' opinion on the weighting level was 3 level. Criteria for setting weighted level to index terms from both groups were the same. Appropriated criteria should be specificity of index terms, using the same index terms as authors' terms, quantity of subject matter in articles, presentation of articles, and the length of articles, respectively.