

ABSTRACT

Information Architecture (IA) is a form of organizing the arrangement and labeling of an information accessed by the user. Just as in organizing a book requires a precise catalog to make it easy for users to find the book they are looking for. Initially the catalog system was only poured in human handwriting. As time goes by, the digital age is expanding so that book cataloging can be easily disseminated using tagging via the internet like LibraryThing.com. Tagging system where users can tag to store and recall library materials that have been read or visited. In this case it provides an opportunity for the author to compare the tags on the catalog information system of books to look for similarity to the subject heading in the Library of Congress Subject Headings (LCSH). In this final project will look for the similarity of tags created by LibraryThing users to subject headings as controlled vocabulary in the Library of Congress Subject Headings (LCSH) developed by experts using the Explicit Semantic Analysis (ESA) method of English wikipedia articles. Based on the data used in this experiment found that keywords created by users as tags and experts as LCSH have in common by 50%. By looking at these similarities, the keywords will be evaluated by an expert when determining the appropriate subject headline in the book, by more consideration of the user's perception than the expert intended to facilitate the user in finding the desired book.

Keyword: *subject heading, tag, controlled vocabulary, Wikipedia, Explicit Semantic Analysis, Information Architecture, LibraryThing, LCSH.*

