**ABSTRACT**

In this thesis, we developed a system which is used to enrichment the database indexes – bibliography of scientific papers in the field of computer science by combining information collected to extract the index of articles directly from digital libraries to supplement the index data is available, directions to get a database of articles full of information, accurate and updated.

By extracting and gathering information to index the article directly from the digital library, the system would be made sure that all collected information is accurate and updated. Along with that, the system will use the available database so that data will be fully developed.

This system which carries out an extraction of index on digital library such as the ACM, IEEEXplore and CiteSeer, the use of available database indexes DBLP and along with auto-update new articles from the digital library -- would ensure that those collected information indexes of scientific articles will be accurate, complete and updated.