When the company become bigger and bigger, the information in the company is also expanded become bigger. As the information is expanding, the company must maintained the information and extend the information become knowledge. Knowledge management is one the ways of maintaining the knowledge. Knowledge is the key of success in the company. With knowledge the company can attain the company advantages.

PT “ABC” is the Information Technology system integrator company. Although PT. “ABC” has already using LAN to connect user computers, giving the access to network resources, but the structure for the location the information is still messy and hard to find. Some of the problems in PT. “ABC” is: information loss, hard to find the correct information, and no document tracking system.

The knowledge management system will be developed from scratch. Currently, there is no system to maintain the entire document. All the documents are kept in many folders and it is difficult to search. The knowledge management system will be developed with SWOT (Strengths, Weaknesses, Opportunities, and Threats) analysis to pre-analysis in order to know whether the knowledge management system was important and can give the competitive advantage to the company and CommonKADS to design the knowledge management system.

The result of this thesis is the prototype of web-based knowledge management system using Microsoft Sharepoint Portal Server to help the company to maintain the company knowledge. In addition the system will increase the performance and productivity of the employees of the company to gain the competitive advantage with the competitor.

Keywords: Knowledge Management, web-based Knowledge Management System, SWOT Analysis, CommonKADS, Sharepoint Portal Server.