ANALYSIS AND DESIGN OF KNOWLEDGE MANAGEMENT SYSTEM TO SUPPORT INFORMATION TECHNOLOGY AUDIT ACTIVITIES

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ABSTRACT

Information technology audit (IT audit) is an important activity to control the risk of the information technology implementation. To perform IT audit, auditors need considerable knowledge to develop phases of audit program. Although there are a lot of references, standard and best practices that can be obtained easily, it is still difficult for IT auditors, especially novice auditors to perform an effective IT audit activity.

In this research, knowledge management system created to support the work of auditors in the information technology audit activities. System design based on the analysis of the auditor’s knowledge needs. This study also proves that the existence of the application system will improve the knowledge management performance index. Based on data obtained responses from 32 IT auditors in BPK RI, it can be concluded that the existence of a knowledge management systems can increase the index of knowledge management implementation within the organization as evidenced by the increasing value of Kmpi (Knowledge Management Performance Index).

Key words: IT Audit, Knowledge Management, Knowledge Management System
( Halaman Ini Sengaja Dikosongkan )