

ABSTRACT

Knowledge Management System (KMS) is a tool that can support knowledge management process to run well and smoothly. HMTI IT Telkom is a very dynamic organization in its growth, one of the reasons is rapid turnover cycle board that has only 1 year period of stewardship. In an effort to optimize organizational performance and knowledge can be conveyed accurately to the entire board HMTI IT Telkom, it needs an implementation of Knowledge Management System in the Internal Management of HMTI IT Telkom. The implementation of KMS can also support the success of learning organization process.

Developing process of KMS is using waterfall method and web-based information systems that have higher accessibility. With the method of waterfall, developing process of KMS HMTI IT Telkom will be going through the stages of requirements, analysis, design, coding, and testing also using CodeIgniter framework so as to make further development going easier.

Result of this research will be formed into a Knowledge Management System which has functionality to support knowledge management in HMTI IT Telkom. Management of Work Programme is one of the main functions that available in the system. The process of adding, updating, and storage history Work Programme supports knowledge transfer process from year to year in the implementation of the Work Programme. In addition, KMS HMTI IT Telkom is able to provide function of suggestion which may facilitate the preparation of Work Programme for the next era.

KMS HMTI IT Telkom has a development potential to support integration of information system between entities that contained in the Faculty of Industrial Engineering. The potential future research is founded development of Knowledge Management System in HMTI IT Telkom.

Keywords: *Knowledge Management System (KMS), Learning Organization, HMTI IT Telkom*