ABSTRACT

HMTI Telkom Institute of Technology is an organization that one of the objectives is to participate in succeeding educational process of Industrial Engineering and Information System study program in Industrial Engineering Faculty at Telkom Institute of Technology. One of the external activity related with the objective, is focused in lecturing activity at Industrial Engineering Faculty Telkom Institute of Technology. For the achievement of that objective, HMTI Telkom Institute of Technology requires a system that capable to manage every activites in HMTI Telkom Institute of Technology. The system required, not only that can manage data and informations, but also can manage knowledge that related with lecturing activity at Industrial Engineering Faculty Telkom Institute of Technology. So that, HMTI Telkom Institute of Technology need to built Knowledge Management System that can manage the knowledge. Beside that, KMS HMTI Telkom Institute of Technology also made for the purpose of inspiring the culture of sharing knowledge for every people included.

KMS created by using waterfall system development method in web based for the high accessibility and flexibility. This system also built with framework to facilitate the next development.

As the result of this research, KMS HMTI Telkom Institute of Technology can process historical data from existing system to become knowledge, and distributed to college students as recomendation. Knowledge given are adjusted with the necessity of every college students, that related with some courses.

KMS HMTI Telkom Institute of Technology related with lecturing activity at Industrial Engineering Faculty Telkom Institute of Technology is potentially in giving better recommendation of knowledge. That can be happen by integrating the previous KMS as well as with the existing MIS in HMTI Telkom Institute of Technology.

Keywords: Knowledge Management System (KMS), Waterfall Method, HMTI Telkom Institute of Technology