

ABSTRACT

Information needed the manager of the dormitory that is able to know the status of occupancy in real-time in each period with the initial conditions for the evaluation manager dormitory, as well as the status of the placement, transfer and exchange room dormitory Telkom University It would also require a system that can accommodate the experience and ideas of the boarder. That requires a system that is able to manage data and information available so becomes relevant knowledge in the Knowledge Management System (KMS) Dormitory Telkom University.

In this KMS development using iterative incremental method. In the iterative incremental method, KMS system Dormitory Telkom University through the stages of business modeling, requirements, systems analysis, implementation and testing. Framework used in the manufacture of Telkom University Dormitory KMS is CodeIgniter Framework, to facilitate the further development. Design and development of Knowledge Management System module to move and exchange rooms with CodeIgniter framework using Knowledge Management Life Cycle process that is useful for data storage and provide information that will be processed to produce knowledge.

The expected result is a KMS can produce applications that can store information and create a pattern that will become a knowledge-based KM Cycle. KMS is also expected to provide the means to convert the data to information to knowledge and information in accordance with the Conversion Knowledge 5C and 4C. Additionally, KMS can produce and assist in managing the most valuable asset for an organization, namely knowledge.

Keywords: Framework CodeIgniter, Knowledge Management System (KMS), Metode Iterative Incremental, dormitory, Knowledge Conversion.