

## **ABSTRACT**

*In the world of higher education in Indonesia, known the three main pillars that build a university. The pillars named Tridharma. Tridharma consists of three key elements, namely education and teaching, research, and community service. In its application, Tridharma developed into a variety of activities and unique to each university.*

*In its application at Telkom Institute of Technology (ITT), Tridharma decomposed into a number of key activities that support ITT become competent univesity. These activities are undertaken by all elements of the academic community. However, the assessment of completion of Tridharma which became a benchmark of competence university is emphasized as the responsibility of educators and holders of higher education, which is the lecturer. This assessment is based on a procedure called faculty workload (BKD). BKD in ITT has its own uniqueness with other universities. BKD in ITT asude of consisting the main aspects of Tridharma, also includes other aspects that support the implementation Tridharma itself.*

*The implementation of the BKD assessment system that has been provided by the Directorate General of Higher Education (DIKTI) at this time, do not meet the assessment process BKD in ITT. It is also felt by the Faculty of Industrial Engineering (FRI) in ITT. There are activities on FRI ITT which have not registered as Tridharma implementation activities by DIKTI. There is a needs of a system that manages BKD at FRI ITT assessment so that all activities in the FRI ITT BKD progress can be judged as legitimate. Even more than that, the system is expected to facilitate the lecturer as a major responsibility of the holder of BKD workmanship in order to exchange knowledge in order to achieve quality execution Tridharma better.*

*Knowledge management system (KMS) is a type of information system or information technology products that applied to manage the knowledge that is in an organization. KMS can be the perfect solution to the problem of valuation BKD in ITT.*

*In this study, will be built two KMS modules that support the assessment work on BKD FRI ITT primarily for activities related to Community Services and Support Tridharma. Both modules will be integrated with other modules as one system who supports BKD assessment in FRI ITT.*

**Keywords:** *Tridharma, faculty workload (BKD), Faculty of Industrial Engineering (FRI), Telkom Institute of Technology (ITT), knowledge management system (KMS).*