

ABSTRACT

Procurement of goods and services is a vital activity that facilitates the needs of all business activities of the university on the purchase, procurement, or obtain goods and services. Procurement process is still done conventionally in most universities judged to have some weaknesses that much harm as easy for growing corruption, lack of transparency, and a waste of time and money. To cover all these weaknesses, we need a lack of implementation of e-Procurement, the procurement of goods and services refers to the use of the Internet as a means of information and communication.

IT Telkom as one of the leading institutions in Indonesia still has problems on the business process of procurement of goods and services. This problem is the procurement of goods and services is done conventionally. It is an impact on the length of the procurement process, lack of information conveyed well and not well organized documentation. Therefore it is necessary to the implementation of e-Procurement system in IT Telkom as an answer to problems of the procurement process and services.

The system will be built on this research is a feature of e-tendering, which is part of the e-Procurement information system. E-tendering is the process of procurement of goods / services, followed by the provider of goods / services electronically by means of a one-time offer. E-Tendering feature in the e-Procurement system accommodates a tender process for the procurement of goods / services worth more than Rp. 200 million E-Tendering feature is built using the Java programming language with the Java EE platform technologies and methods of iterative and incremental development of the system. E-Tendering feature is also supported by a reliable architecture are the multitier architecture with Struts as presentation tier framework, tier business logic with EJB (Enterprise Java Bean), the client tier and database Ms. SQL Server as the database management.

Keywords: *procurement, e-Tendering, e-Procurement information system, iterative and incremental, multitier*