

ABSTRACT

Procurement of Goods / Services (Procurement) is the process of obtaining goods / services that are required by organization through the purchasing activities, lease, loan, exchange, gift, or other activities. Telkom Institute of Technology (IT Telkom) is a university in Bandung which does manual procurement process particularly in the direct appointment. The manual process has some problems such as lack of transparency performance of the vendor, the amount of paper work, the length of the cycle time, as well as summary data on procurements can not be viewed in realtime.

To solve those problems, information system by leveraging online media (e-procurement) is needed. The information system built using Java EE technologies and the struts framework with iterative and incremental method. Information systems are built refers to the existing procurement stage to the CLIP-Indonesian Logistics Association and Fundamental SAP Modules. The system allows information accessed by many users thus developed a multitier system. There are four tier is used, the client, presentation, business logic, and database. Then the system was tested with a test system functionality and user acceptance test.

The results of the development of this information system are to facilitate the submission of each unit to perform procurement and view performance of the vendor. The information system also helps the logistics in dealing with any procurement, pointing right vendor, and see data in graphical form. The information system also facilitates the fulfillment vendor to conduct the procurement activities of the IT Telkom.

Key Words: e-procurement, direct appointment, Java EE, iterative and incremental, multitier