

ABSTRACT

Today, Information technology has become a key success factor for a college to create a competitive advantage with other colleges. One of the university's competitive advantages is information delivery and provision of university services. According to Tri Dharma University, the university must provide education, research, and community services. Telkom Institute of Technology is one of university which used information technology to delivery university information and provide university services. However, it is not been used as a whole on the existing business processes in IT Telkom, particularly, in providing research service.

To solve that problem, IT Telkom needs E-Research Management application to support research services in university. E-Research Management built with Java Enterprise Edition technology to support a multi-tier architecture consist of client presentation layer, business logic and database. The system development method used iterative and incremental method.

The result of this research is the E-Research Management application which its features are proposal management, proposal approval, research monitoring and controlling through progress report evaluation assessment, final report evaluation assessment, online/offline monitoring, performances evaluation, and field evaluation and monitoring. E-Research Management has implemented a distributed architecture or multi-tier architecture.

Keywords: research, information systems, E-Research Management, Java EE Technology, iterative and incremental, multitier.