

ABSTRACT

Telkom University, is one of the many private universities in Indonesia. Telkom University was established on August 14, 2013. Telkom University consists of 7 Faculties, one of which is the Faculty of Industrial Engineering. The address of the Faculty of Industrial Engineering is located at Jl Telekomunikasi Terusan Buah Batu No. 1, Gedung Karang 40257, Bandung, Indonesia. This faculty has four study programs, namely S1 Information Systems, S1 Industrial Engineering, S2 Industrial Engineering and Logistics Engineering. This aims to shape the advancement of telecommunications information technology that accompanies life in the current era of globalization in the future, encouraging the government and the private sector to form skilled human resources in the fields of information, communication technology and management.

This research is a research in the development of a website-based question collection monitoring system for the study of the module head program with the *waterfall* method. In the development of the application for monitoring the collection of exam questions, the *waterfall* method will be applied, in which the application is carried out from the stages of planning, analysis, design, implementation and use and application with object modeling which is between admin and interacts with each other's information. From the results of the application of the *waterfall* method on the development of test collection applications with oriented modeling, it produces convenience and conciseness in exam activities and more effective and efficient sales data processing.

Keywords: system development, website, *waterfall*.