

## **ABSTRACT**

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 faculty aims to shape the advancement of telecommunications information technology that accompanies human 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 developing a monitoring system for collecting website-based exam questions for the head module of the study program using the waterfall method. This study aims to produce media for collecting website-based exam questions at the Faculty of Industrial Engineering efficiently. This system development research adapts the waterfall method which is carried out through five stages, namely planning, analysis, design, implementation, and system. In this study, especially in the lecturer module, they can submit news, upload exam questions, and review exam questions.

This research uses the waterfall method to build a system for collecting exam questions. The results of this study are in the form of a web-based exam questions collection monitoring application that can provide convenience to lecturers when carrying out the manufacturing process until the collection of the exam.

**Keywords:** Waterfall, Website, Lecturer