

ABSTRACT

Faculty of Industrial Engineering is a favorite faculty with 3 existing courses undergraduate and postgraduate: S1 Industrial Engineering, S1 Information System, and S2 Industrial Engineering. Faculty of Industrial Engineering has a Vision "Being a World-class Faculty that plays an active role in the development of science in the field of Information Technology-based Industrial Systems". To realize the vision FRI continues to improve the quality of teaching. One of them is the result of the teaching portfolio of lecturers at the end of the lecture. An application system that can be accommodated for the teaching portfolio of lecturers is required. Thus, the system to be built in the Faculty of Industrial Engineering can help the Lecturers, Students, and Deans of FRI Due to the presence of applications that accommodate for the portfolio can make it easier for future teaching evaluation.

In making the application for this portfolio, Using method of Iterative and Incremental with this method process analysis and application design is done repeatedly and gradually so as to minimize errors on the manufacture. Making this application using the framework Codeigniter is an open-source container used to build dynamic webs using approaches with MVC (Model, View, and Controller). This simplifies and speeds up the work of making the app because it does not need to create code from scratch. It can also be said that CodeIgniter has defined libraries that facilitate the work of programmers in calling libraries and functions already provided.

The results of this study in the form of applications that can support activities for the Lecturers, Students, and Dean of FRI. With this application can support the lecturers to keep teaching portfolio, for Dekanat can monitor and evaluate the lecturers who have conducted their learning activities based on the portfolio.

Keywords: Codeigniter, Iterative Incremental, Portfolio