

ABSTRACT

In the application of technology and information systems in an organization or company is not without calculation and strategy. Strategy in determining technology investments must be concentrated in consideration. One method to implement and analyze that information technology investments implemented within an organization or company is a method of New Information Economics (NIE). NIE method helps to maximize the impact on the bottom-line of the new investment plan which will be developed as well as maintenance of existing systems. The study is to analyze the information technology investments using the NIE on SISFO Directorate of the Department of Informatics, Faculty of Engineering University of Telkom. In general, an analysis will be made of the condition of the organization through business process analysis, strategic direction, portfolio lights on and other relevant data that describes the condition of the company in the implementation of the IS / IT investment and SI / IT has been done on the Directorate SISFO as one unit application / IT in the organization. The analysis in this case using the 5 basic management NIE ie Demand supply planning, innovation, prioritization, alignment and performance measurement as well as supporting the practice of Impact IT Portfolio Management and lights on. The results of the research conducted was a recommendation whether the investment information systems and information technology are made and applied to the Directorate SISFO have supported the mission and vision of our business processes university.

Keywords: Investing in information technology, management information systems, New Information Economics, Directorate SISFO.