ABSTRACT

The same and repeated business processes in today's era are very inefficient. Robotic Process Automation (RPA) is a software technology that helps humans to complete the same and repetitive work so that it can cut time. In a study released by Infosys, the implementation of RPA can result in a 50% reduction in Full Time Equivalent (FTE), and a 58% reduction in manual work. At the end of the academic cycle period of Telkom University, the lecturer or head of study program can see the results of the Lecturer Evaluation by Students (EDOM) to evaluate performance for 1 semester. However, to see and evaluate takes a long time. UiPath is one of the solutions to automate the work process with the aim of making it easier for lecturers or heads of study programs to see or evaluate the performance of lecturers. The method used is by using data scraping then student sentiment is analyzed using the Naïve Bayes algorithm in Google Collaboratory. The result of this research is that UiPath can be used in web scraping and the Naïve Bayes algorithm is effective in sentiment analysis because it has an accuracy of 81%.

Keywords : RPA, data scraping, Naïve Bayes, UiPath, EDOM.