

ABSTRACT

In the modern era, repetitive and identical business processes are very inefficient. Robotic process automation (RPA) is a type of software that speeds up repetitive tasks that would otherwise take humans a long time to complete. According to a study published by Infosys, the implementation of RPA can cut the amount of manual work by 58% and the Full Time Equivalent (FTE) by 50%. When implementing an integration between systems, RPA makes cost effectiveness and adherence to licensing requirements no longer onerous costs. UiPath is one of the tools used to assist in web scraping. UiPath is an RPA technology that designs and aids in the automation of a business process in an organization (Tripathi, 2018). Using UiPath, web scraping will be performed on trial registration on the SOFI application, which will be used to generate trial filing report documents. The results of this study are that UiPath can be used for web scraping on the SOFI application and performs analysis on student data that is submitting online trial registration. The results of the RPA and manual comparison show that by using UiPath the time taken is faster with 10.32 seconds, whereas if it is done manually it takes 27.94 seconds.

Keywords: RPA, Web Scraping, E-learning, UiPath.