

## **Abstract**

The phenomenon of fraud, especially in the financial sector, can have a serious impact on the stability and reputation of a company. Of course, fraud in financial statements is very detrimental to a company. Thus, fraud detection and prevention is a top priority in managing and ensuring the economic integrity of a company. Based on these problems, a fraud prevention and detection application was created, called FDP. In application development, the appearance or User Interface (UI) and user flow or User Experience (UX) are important aspects to ensure user success in using the application. By designing the user interface using the Double Diamond method, Usability Testing and System Usability Scale (SUS) testing. The result of this research is the user interface. With the average Usability Testing results from each scenario 93 which can be said to be very good. And the total System Usability Scale (SUS) results amounted to 530 with the resulting average value of 88,33. This shows the total SUS score on the FDP interface is 88,33 with the effectiveness level being Very Effective. Thus, the designed user interface has met high quality standards and can provide an optimal user experience.

**Keywords:** *User Interface, User Experience, Double Diamond, Usability Testing, Fraud*