

ABSTRACT

Muhammad Iqbal Fattah (2021071002)

Financial Transaction Data Analysis and Web-Based Application Development to Support IFRS 17 Implementation at PT. Victoria Insurance Tbk

The development of technology in the insurance sector presents new challenges in the implementation of accounting standards, especially IFRS 17 (International Financial Reporting Standard 17). This Professional Work Program aims to develop company projects, such as a Python-based financial transaction data analysis system and a web application that supports the implementation of IFRS 17. The development of a data analysis system is intended to present a summary and main conclusions from the company's daily operational data. Meanwhile, the web application is designed to meet the needs of the IFRS 17 standard, including data upload, storage, processing, and printing features. In addition, the application interface design is improved to be more attractive and user-friendly. The testing phase is carried out to ensure that the application can function as expected, although a number of obstacles are found during the process. A theory-based approach is applied to facilitate the resolution of problems that arise. Through this activity, students not only contribute in the field of informatics but are also able to identify problems, design applications, optimize business processes, and present digital solutions to answer challenges at PT. Victoria Insurance, Tbk.

Keywords: Data analysis, IFRS 17, Python, Web application development, application testing, digital solutions