

## **ABSTRACT**

*In the rapidly evolving digital era, data management is crucial for the growth of any company. In this context, the need for tools that can collect, analyze, and convert data into valuable insights is becoming increasingly important. One effective approach to meeting these demands is through the use of Business Intelligence (BI) applications. The data analysis process often requires advanced analytical skills, and unstructured or poorly managed data can be challenging to comprehend and further analyze. These skills may not always be present in every organization conducting business. Without the right BI tools, companies may struggle to make data-driven decisions based on the information they possess.*

*Based on the analysis and measurement of solution specifications for the development of an ETL application for Business Intelligence (BI) Pre-Processing, it can be concluded that this application primarily focuses on the ability to integrate data sources, extract, transform, and visualize data, with a particular emphasis on data processing.*

*The ETL application for Business Intelligence Pre-Processing aims to facilitate easy data analysis and data visualization in the form of graphs, which are processed through data visualization algorithms beforehand.*

*Keywords: Business Intelligence, Data Analysis, Data Visualization.*