

ABSTRACT

PT Indo Trans Teknologi or TransTRACK.ID is a company that helps optimize vehicle fleet operations. One of the products developed by the company is the Vehicle Maintenance System (VMS). VMS is a Software as a Service (SaaS) based solution aimed at revolutionizing vehicle fleet management for logistics service providers. In an effort to continuously improve efficiency and gain deeper insights into fleet operations, it is important to analyze the data generated from VMS sensor technology by developing a sensor dashboard. The creation of the VMS sensor dashboard was made at the request of the business analyst division to the author and the team as data analyst interns based on the requirements that have been given. The VMS sensor dashboard will be presented in the form of graphs created using Microsoft Power BI. Sensor data that has been collected and understood will be processed using Microsoft Excel and Python. After that, the data is imported and then visualized in Microsoft Power BI to form a dashboard. Overall, the use of Microsoft Excel and Python for data processing, as well as Microsoft Power BI for visualization and analysis, proved to greatly facilitate and increase the effectiveness in managing vehicle sensor data.

Keywords: Data, Sensor, Dashboard, Vehicle, Vehicle Maintenance System.