PAYLOAD VALUE PREDICTION SYSTEM FOR PROVIDER USERS USING LINEAR REGRESSION METHOD

(Case Study: PT Telkomsel Regional 3 West Java)

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ABSTRACT

This study aims to develop a weekly prediction system for Telkomsel provider users' payload values using the linear regression method. Historical data including weeks, tower codes, and payload values are analyzed to predict payload values in the coming week. The linear regression model used shows significant accuracy evaluated through the Mean Squared Error (MSE) and R-squared (R^2) metrics. With this system, Telkomsel is expected to improve network management efficiency and provide better service to users.

Keywords: (Linear regression, Python dash)