WEBGIS DEVELOPMENT FOR SUPPORT WAREHOUSE INVENTORY MONITORING
(CASE STUDY : PT.PETROKIMIA GRESIK, EAST JAVA)

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ABSTRACT
Distribution Department in Gresik PT.Petrokimia using an integrated database system that helps the data processing warehouse inventory. However, the data processing is still a printout contains tables and graphs that contain data in all warehouse stock of every district in East Java. Deficiencies in the modeling of the report may lead to an inaccurate amount of stock which would be distributed.

This final project aims to help the processing of the data warehouse inventory using WebGIS and visual displays. For handling his issues regarding the appropriate amount of stock in each warehouse, then used the method of forecasting by using ARIMA algorithm.

The expected result of this thesis is the stock analysis of data visualization and fertilizer distribution in each warehouse associated buffer to avoid scarcity, excess, and fraud in the distribution of fertilizer.

Keywords: WebGIS, Safety Stock, and ARIMA.