

ABSTRACT

EGG PRICE PREDICTION AT PT MAGGOT INDONESIA LESTARI USING A LINEAR REGRESSION ALGORITHM

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Eggs are one of the food ingredients that are often needed by the community. PT Maggot Indonesia Lestari is one of the companies engaged in egg production. Prediction of egg prices is very influential for the company's income. The prediction of egg prices that has been carried out by PT Maggot Indonesia Lestari is by conducting a manual survey sourced from outside the company. One of the disadvantages of the manual survey method is that it takes a long time to collect data on future egg prices. Based on this, the researcher then provides an alternative solution to be able to predict egg prices by developing an egg price prediction system for PT Maggot Indonesia Lestari. The system developed applies the linear regression algorithm as the main basis for calculations to predict egg prices and the prototype development method as a reference for system development. Through a series of experiments and system coding improvements, researchers succeeded in developing and implementing algorithms for the system so that the system can display the results of future egg price predictions so that PT Maggot Indonesia Lestari and overcome the problems of manual survey methods that take a long time to predict egg prices.

Keywords: *Price prediction, eggs, PT Maggot Indonesia Lestari, linear regression algorithm.*

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