

ABSTRACT

Rice is the main food commodity for the people of Indonesia. Therefore, the rice consumed by the Indonesian people must be good. However, at this time there is no system that can predict the quality of rice. Then an application was developed which is expected to be able to calculate quality and predict shelf life using a dataset that is converted into training and testing data. In this Machine Learning application, the Decision Tree algorithm method will be used, this method allows to predict the shelf life of rice by depicting it as a decision tree. In this prediction application using a decision tree algorithm produces the best score (0.9980) for classification and R2 score (0.9790) for regression.

Keywords: Machine Learning, rice, predict.