

ABSTRACT

Paddy is the most cultivated crop planted by the farmers as a staple food for the citizens of Indonesia. DIY is one of the rice producing provinces in Indonesia. The yield of paddy production in DIY is divided into 5 regions namely 1 city and 4 districts. The yield of paddy production per region varies based on the area of harvest (ha) of the area. Every year the rice production changes but there is no application that can process the data and make predictions for the production of rice in the next year.

In this study the authors use the simple moving average and weighted moving average forecasting method for decision support process in determining the amount of paddy harvested in DIY for the next year.

The expectation of this research by using the method of moving average writer can make an application that can predict the yield of rice production in Special Region of Yogyakarta.

Key word: Paddy, Forecast, Simple Moving Average, Weighted Moving Average, DIY