

ABSTRACT

As the Country with the Highest Price of Agricultural Commodities Indonesia has the majority of farmers' livelihoods. The price of agricultural commodities in Indonesia is still not stable compared to the production of agricultural products to be achieved even though the quality of human resources in Indonesia is very good. there are several factors that can affect Agricultural Commodity Price that is factor of production cost, weather, climate, soil condition. If the price of agricultural commodities is increasing, with such food demand will be more helpful especially Indonesia and do not rule out that Indonesia does not import rice anymore but export rice. In this research will be built forecasting system of Agricultural Commodity Price by using Apriori Algorithm is the algorithm contained in Data mining. by involving the Association Rule method as a process for finding association of association rules and classification for future price predictions using the J48 algorithm. so it can be useful for farmers to determine the price of agricultural commodities in each year. The highest accuracy result from the predicted Chilli Commodity Price with J48 classification is 91.67%

Keywords: Data mining, Commodity Price, Apriori, Association Rule, J48 Classification