

ABSTRACT

Pangalengan is one of the largest vegetable-producing district in Bandung regency. The harvest of these vegetables are able to handle most of the needs of the market in Bandung. But any time the harvest of the whole land may not exceed or even meet market needs. It is certainly greatly affect the price of vegetables in the market. If the harvest exceeds the number of market demand, the price to go down and vice versa. But reality often exceeds the amount of crops to market needs so as to cause harm to farmers and price volatility.

Therefore, in this final project, the writer will create a web-based application that can help price stability in the market. This application can display maps of agricultural land in Pangalengan with the types of plants. With this application can know the number of farmers markets and the market quota has been used by other farmers. Knowing this can be helpful in determining the farmers' crops to be planted on the land to fit the needs of the market. Farmers can put the plants on the land and the map will show plants that are ditanaman with certain colors so that other farmers can see the information from every land. Such information includes names of landowners, land and crops are already planted.

The existence GIS Application For Mapping Agricultural Area Due To Variety Of Plants Based On Web In Pangalengan is expected to help the farmers to know the developments in the prediction of harvest time. Thus the market demand for commodity vegetables can still be met. In addition, the occurrence of a price stability due to the amount of crop production according to the needs of the market. This course will benefit both the member for farmers and society.

Keyword : *Web, Map, Market Capacity, Comodity*