

**Fertilizer Distribution System Using GIS-Based AHP Method at the
Agriculture Service of Jember Regency**
Pembimbing (1 orang).

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ABSTRAK

In this study, the researchers made a fertilizer distribution system based on a Geographic Information System (GIS) where currently there are still many problems in the agricultural sector in Ajung District, one of which is the problem of inaccuracies in the distribution of fertilizers. As time goes by, from year to year, a lot of land has been converted from land to buildings, but the data on the fertilizer distribution map owned by the agriculture office has not been updated, causing a loss for the Department of Agriculture. By using this method of presenting data, it has a prolonged impact, namely having to create map data from the beginning of each period. Therefore, a Geographic Information System for Mapping Agricultural Land and fertilizer distribution in Ajung District will be created using the Analytical Hierarchy Process (AHP) method to assist the development process of the agency in land mapping and distribution of fertilizer to farmers. For this study, researchers conducted interviews with two sources. In the calculation of the value of the pairwise comparison matrix that has been filled in by the resource person, it produces an accuracy rate of 100%.

Keywords: Fertilizer Distribution, Geographic Information System, Analytical Hierarchy Process (AHP)