

**Formulasi Dosis Pupuk Untuk Tanaman Hortikultura Berdasarkan Kadar
Unsur Hara Didalam Tanah Berbasis Web** (*Horticulture Fertilizer Dosage
Formulations based on Soil Nutrient Levels in Web-Based*)

Prawidya Destarianto, S.Kom, MT as Chief Counselor, Ir. Sugiyarto, MP as a
Member Counselor and Supervised by Denny Trias Utomo, S.Si, MT

Risti Sinansari
Study Program of Informatics Engineering
Majoring of Information Technology
Program Studi Teknik Informatika
Jurusan Teknologi Informasi

ABSTRACT

Farmers who do not join farmer group association and do not participate in the planting period cannot get subsidized fertilizer because they have not compiled RDKK. Thus, they must buy non-subsidized fertilizers that are quite expensive. The ignorance of farmers about the dosage of fertilizer purchased and used for their crops, which is appropriate with the conditions of their farmlands, makes the farmers buy and use fertilizers excessively or slightly which will make their crops do not grow well. To help farmers overcome this problem, the writer make Horticulture Fertilizer Dosage Formulations based on Soil Nutrient Levels in Web-Based to ease farmers on determining fertilizer dosage for horticulture plants based on the levels of N, P, and K in soil. By using the input of land area, the type of plants planted, and the level of N, P and K in soil, the writer will produce the appropriate dosage for particular land area, type of plants, and nutrient level in soil.

Key words : *fertilizer, horticulture plants, nutrient content*