ABSTRACT

SOESILO WIBOWO. The Model of Sustainable Upland Vegetable Farming Management in the Agropolitan Region. Under supervision of SANTUN R. P. SITORUS, as a committee chairman, SURJONO H. SUTJAHJO and MARIMIN as committee members.

Agropolitan program has been implemented in Indonesia since 1992. Its implementation in upland vegetable region caused problems because of ecologically interference. Research objective was to design model of sustainable upland vegetable farming management in the agropolitan region. The research has been conducted in Pacet, Cianjur, West Java. The existing condition evaluation indicates that its implementation is un-sustainable. Farmers plant carrot and leaf onion as the superior commodities with the opportunity in agroindustry are carrot instant and chopped spring onion. The farming land is at $S_3$ (marginally suitability) category of land suitability classification with the erosion hazard index is 7.40, the rate of erosion 222 t/ha/year (18.5 mm/ha/year). The agricultural community have a good opinion in sustainable upland vegetable farming management, but their participation are "less active". The development strategy is to conduct the Integrated Agricultural Development Program that proposed on increasing income and job opportunity, focusing in agromarketing and supporting services sub-system with the important actors are the trader and the government. The result of model design is a good dynamic model of sustainable upland vegetable farming management in the agropolitan region, because of resemblance with the actual condition, valid and very sensitive. In the effort of reaching the sustainable agropolitan needs to be conducted active socialization by the government, to increase the agricultural community participation.

Key words: agropolitan, dynamics, farm, integrated, model, sustainable, upland.