

## **Landscape Planning And Development Of Integrated Farming Based On Low External Input Sustainable Agriculture (LEISA) In Pangulah Village, Karawang County, West Java, Indonesia**

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**Abstract :** Integrated farming with LEISA concept as one of the systems or sustainable farming techniques in agriculture has provided opportunities to increase farmers' income. This system also has a positive impact on the environment. However, the development of integrated farming is still on a small scale/site scale. Development on a larger scale is necessary considering to the number of potential resources in the village that can be integrated each other. The aim of this research is to develop an integrated farming landscape on small scale that has been done in previous study, into the village scale. The method used in this study follows the rules of scientific planning in landscape architecture. The initial phase begins with an inventory of the existing condition of the village, by conducting a survey. The second stage is analysis of potential and constraints in the village based on the results of a survey that has been done before. The next stage is concept-making that consists of basic concept, design concept, and development concept. The basic concept is integrated farming based on LEISA. The design concept is based on commodities that are developed in the village. The development concept consists of space concept, circulation concept, the concept of vegetation and commodities, and the concept of the production system. The last stage is planning process which produces Site Plan based on LEISA on village scale. Site Plan is also the end product of this research. The results of this research are expected to increase the income and welfare of the farmers in the village, and can be develop into a tourism area of integrated farming.

**Keywords :** integrated farming, LEISA, site plan, sustainable agriculture

**Conference Title :** ICAFUS 2015 : International Conference on Agriculture, Food and Urbanizing Society

**Conference Location :** Amsterdam, Netherlands

**Conference Dates :** May 14-15, 2015