

## **ABSTRACT**

Suminto Adi Irwan 2014. Designing Horticulture Research and Development at Kabupaten Jombang. Final Project. Department of Architecture Faculty of Science and Technology of the State Islamic University of Maulana Malik Ibrahim Malang. Supervisor: (I) Elok Mutiara, MT. (II) Sukmayati Rahmah, MT. (III) Luluk Maslucha, M,Sc.

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Quality problems of national horticultural crops that are less compete with the quality and quantity of horticultural products abroad. Horticultural products from abroad are more durable, in a single tree yields more, better taste, better weather resistance and faster crop cycles. Indonesia has many types of horticulture products with many different varieties. The many types of horticulture in Indonesia is an opportunity of growth of horticultural products through researching and developing of horticulture in Indonesia, so horticulture products in Indonesia has capability to compete with foreign products.

Kabupaten Jombang is a local regency with economic sector in agriculture and plants products well, so that the agricultural sector is the most priority of economic development at Kabupaten Jombang. Kabupaten Jombang has many plants areas at the mountainous areas which located at the District Wonosalam. Therefore to support the improvement outcomes and quality of horticultural products in Indonesia is needed research and development on the field of horticulture crops. Kabupaten Jombang as one of the district that has potential area of establishment for the Designing Horticulture Research and Development at Kabupaten Jombang.

The Designing Horticulture Research and Development at Kabupaten Jombang can be interpreted as a technical implementation unit in charge and responsible in the field for researching and developing that is done carefully, by system, objectively, and regularly which leads to the goals. The points of view are research and development in the field of horticulture. As a guide in design of the object in order to avoid badness (“kemudzaratan”) and concern to natural ecology, therefore applies organic architecture. Organic architecture is the architecture concept that is more concern natural ecology than the building itself, so has advantages of the potential of more humble nature and the natural ecology.