THE PRODUCTION PROCESS AND POST HARVEST MANAGEMENT OF AEROPONIC AND HYDROPONIC DEEP FLOW TECHNIQUE LETTUCE (Lactuca sativa L.) IN AMAZING FARM LEMBANG BANDUNG

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ABSTRACT

Vegetables are needed by human being as their consumption to fulfill their daily nutrition, that’s why the opportunity of vegetables production is widely opened to be developed. This opportunity drives people to use the suitable technique to gain optimum production as well as the quality, quantity and continuity, such as using aeroponic and hydroponic system. The internship was implemented in Amazing Farm, Field Cikahuripan 1, Lembang, Bandung. Amazing farm is one of the leading companies in horticultural products. The purposes of the internship were to get working experience and practical knowledge about production of aeroponic and hydroponic lettuce (green curly, lollorossa and romaine), discover the difference between aeroponic and hydroponic system, get management and post harvest experience and also help the company to solve problems in cultivation technique. Aeroponic system can produce lettuce crop better than hydroponic does. The post harvest observation of aeroponic and hydroponic lettuce didn’t show significant difference. The business analysis of lettuce production shows that aeroponic lettuce is more promising than hydroponic, although it needs large amount of capital for the investment.

Keywords: aeroponic, hydroponic, lettuce, Amazing Farm