ABSTRACT

LAND SUITABILITY EVALUATION QUALITATIVE AND QUANTITATIVE PLANT CORN (Zea mays L.) IN SUMBER REZEKI FARMERS GROUP AT THE SIDORENO VILLAGE OF WAY PANJI DISTRICT SOUTH LAMPUNG

By

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Land resource information is essential in planning land use and increase production, in addition to the agricultural sector is very possible in the development of various commodities and a significant contribution towards national food supply. Maize in Indonesia is the second staple food after rice. Besides a food corn is also used as animal feed, industrial raw materials, beverages and others.

Feasibility Analysis of maize cultivation is done by the approach to the financial aspects inherent in the business. Objectives to be achieved by analyzing the feasibility of cultivation of maize, among others, is to assess the feasibility of a business or in other words to avoid large investments continuing with activities that are not profitable.

Land suitability evaluation is done by using biophysical criteria according Djaenuddin et al. (2000), while the economic assessment is to analyze the financial feasibility of maize cultivation is done by calculating the Net Present Value (NPV), Net Benefit and Cost Ratio (Net B / C Ratio), and Internal Rate Of Return (IRR).

Results planting corn land (Zea mays L.) in the Sidoreno village of Way Panji District South Lampung criteria belong to a class of marginal land suitability in accordance with the heaviest factor limiting the availability of water, in the form of rainfall (S3wa). And financially, the actual corn crop in the 4 seasons to develop. This is shown by the net present value (NPV> 0) obtain Rp26.001.437, - during the fourth growing season, the ratio between net income and expenses (Net B / C> 1) obtained 2.12, the value of internal rate of return (IRR ) to 21.14% per month, or higher than prevailing interest rates (1.25% per mnth). This indicates that the maize crop during the four seasons (2008-2009) profitable.

Keywords : Land Suitability Evaluation, Corn Plant (Zea mays L.), Financial Analysis (NPV, Net B/C Ratio, IRR).