

ABSTRACT

THE INCOME AND RISK ANALYSIS OF CATFISH AND CARP FARMERS IN PAGELARAN SUB-DISTRICT OF PRINGSEWIU REGENCY

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Most problems faced by farmers in catfish and carp farming activities are production and price fluctuations. This situation determines farmers' income. This research aims to assess : (1) The farmers' income level from catfish farming and carp farming, (2) The factors affecting the profit, and (3) The risk level of catfish and carp farming. This research was conducted in three center villages of catfish and carp farming. Respondents were all 35 catfish farmers and 35 carp farmers who did fish rearing activities. The first goal was calculated by using income analysis. The second goal was analyzed by using Cobb-Douglas profit function. The third goal analyzed by calculating the values of coefficient variation and different test of coefficient variation. The results showed that (1) the average income of catfish farmers was Rp 151,192,616.98 per 0.5 hectare with R/C value of 1.29 and that of carp farmers was Rp 20,303,833.98 per 0.5 hectare with R/C value of 1.58, (2) The factors that affected income of catfish and carp farming were the size of ponds, feed prices, fish medicine prices, and labor wages. Income from catfish farming was bigger than from carp farming, (3) The production risk and price risk of carp farming were bigger than those of catfish farming, while the income risk of catfish farming was bigger than that of carp farming.

Key word : Cobb-Douglas Profit Function, Catfish, Carp, Profit, Risk