

ABSTRACT

THE INCOME AND RISK ANALYSIS OF CABBAGE FARMING ON DRIED LAND AND RAINFED FIELD IN GISTING SUBDISTRICT OF TANGGAMUS REGENCY

By

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The research aims to assess: (1) the comparative productivity and income of cabbage on dried land and rainfed field, (2) the level of risk of cabbage farming on dried land and rainfed field, (3) the behavior of farmers against the risk of cabbage farming on dried land and rainfed field, and (4) the impact of incomes, risks and the other factors on the behavior of farmers against the risk of cabbage farming on dried land and rainfed field.

The research was conducted in two villages. There are Campang Village and Gisting Atas Village, Gisting Subdistrict of Tanggamus Regency. This location is chosen purposively. Respondents are cabbage farmers were taken by simple random sampling with 44 dried land farmers and 31 rainfed field farmers with total respondent were 75 farmers. The first goal was analyzed using different test of productivity and income. The second goal was analyzed using different test of coefficient variation. The third goal using Bernoulli and Neumann Morgenstern Techniques, and the fourth goal was analyzed by binary logit regression.

The finding showed that: (1) productivity and income of cabbage farm in rainfed field is greater than dried land, (2) risk of cabbage on dried land farming is greater than rainfed field, (3) 93,18 percent of farmers in dried land are neutral in their behavior and 6,82 percent of farmers are not brave enough to take risks, whereas the farmers in the rainfed field of 41,94 percent are neutral and 58,06 percent of farmers are reluctant to take risks. Moreover, there is no farmers behave dare to risk on dried land and in the rainfed field, (4) the factors that influence farmers' behavior towards risk of cabbage farming on dried land and rainfed field are farm income, land area, age of the farmer, the experience of farm, the number of dependents, and the type of land.

Keywords: behavior of farmer, income, productivity, risk