

ABSTRACT

ANALYSIS OF PRODUCTIONS AND RISK OF RICE ON TECHNICAL IRRIGATED LAND AND RAINFED FIELD OF SOUTH LAMPUNG REGENCY

By

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The research aims to assess : (1) analyze the level of production's efficiency rice farming in the technical irrigation land and in the rainfed. (2) the level of rice farming income in the technical irrigation land and in the rainfed, (3) the level of risk of rice in the technical irrigation land and in the rainfed,(4) the behavior of farmers againts the risk of rice farming in the technical irrigation land and in the rainfed,(5) the impact of the factors on the behavior of farmers againstst the risk of rice farming in the technical irrigation land and in the rainfed.

The research was conducted in two villages. There are Bandan Hurip Village and Mekar Mulya Village, Palas Subdistrict of South Lampung Regency. This location is chosen purposively. Respondents are rice farmers were taken by simple random sampling with 33 rice farmers in irrigation lands technical and 47 rice farmers in rainfed with total respondent were 80 farmers. The first goal was analyzed using frontier production function. The second goal was analyzed using diffrent test of farm income. The third goal was analyzed using different test of coefficient variation. The fourth goal using Bernaoulli and Neumann Morgenstern Techniques, and the fifth goal was analyzed by binary logit regression

The results showed that : (1) differences in the level of production's efficiency of rice farming in both types of irrigation. The level of production's efficiency in the planting season 1 by 76.33 percent for technical irrigation land and by 67,09 percent for rainfed. while in the planting season2 at the level of efficiency of technical irrigation land by 87, 81 percent and at rainfed by 69,26 percent. (2) income of rice farmers on technical irrigation land is greater than income rainfed rice farmers.(3) Risk of production, price, and revenue facing rice farmers in irrigated lands technical significantly different from rainfed areas. (4) Most of the rice farmers neutral behavior towards risk. (5) The factors that influence the behavior of farmers against the risk of rice farming on land irrigated and rainfed technical is the number of dependents, income and type of irrigation.

Keywords :production's efficiency, income, risk, and behavior