

Abstract

The agricultural sector is the largest sector that absorb the labor force in Central Java, because it can absorb labor by 42%. One of the sub sector that have the largest contribution to Gross Domestic Regional Product in Central Java is the food crop sub sector, which one among food crops are garlic. The largest of regional production centres of garlic in Central Java has been located in Wonosobo Regency, ironically, that the production is decrease every year, the farming area is continues to decline, and the average production that tends to fluctuates. Causes of fluctuations the average garlic production was made possible due to the inefficiency used of factors of production.

This study aims to analyze the level of influence of factors of production to total production of garlic, as well as to analyze the level of efficiency by using the factors of production in garlic's farming in the District of Sapuran, Regency of Wonosobo.

Data used in this study are primary and secondary data. Sampling was taken by snow ball sampling method. Respondents in this research is garlic farmer in the District of Sapuran consist of 99 people. Data analysis methods used in this study is multiple regression analysis and test efficiency for analyzing research data.

Based on the data processing shows that all the variables that significantly affect the garlic production which are the variable of area (X1), seeds (X2), fertilizer (X3), and variable of labor (X5) are significant in influencing the production of garlic. The average value of technical efficiency of garlic's farmer is 0.58 and the price efficiency value is 2.018. So that the value of economic efficiency is 1.170. The value of technical efficiency, price efficiency, and economic efficiency is not equal to one, meaning no need to increase efficient use of production factors. In addition to the farming conditions that show increasing returns to scale, it can be said that garlic farming conditions in the study area is feasible to be developed or followed. In the process of garlic production, soil fertility levels also need to be considered because the land which is used for cultivating the garlic are used interchangeably to plant other crops.

Keywords: Efficiency, Production, Garlic's Farming.