

Enhancement on the performance of Arabica coffee farming system by technology introduction in Tana Toraja Regency

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Abstract

Coffee is one of the plantation commodities that has an important role in economic activities in Indonesia but has not been matched with adequate production. The main obstacles faced in the development of coffee commodities are technical and management constraints to meet company standards and international markets. The introduction of technology in coffee farming systems is expected to have a positive impact on production performance and farmers' income. This study was conducted with the aim of assessing the production performance and income of coffee farming in Tana Toraja Regency. This study uses a survey method, which was conducted in January-December 2019 in Lembang Pemanukan, Gandang Batu Silanan District, Tana Toraja Regency. Sampling of respondents was determined by the stratified random sampling method with a total of 30 farmers as respondents. The results of the study indicate that the introduction of technology in coffee farming is able to increase the R/C ratio. The income of farmers with the application of technology is Rp. 19,562,500, or 33.7% higher than the income of farmers without the application of technology (Rp. 12,967,500) per year with an R/C ratio of 2.05 and 1.71.

Key words: Arabica, coffee, farming system, Toraja