

Stochastic frontier analysis on technical efficiency of strawberry farming in purbalingga regency Indonesia

Title	Stochastic frontier analysis on technical efficiency of strawberry farming in purbalingga regency Indonesia
Author Order	1 of 4
Accreditation	2
Abstract	The objective of this study is to determine technical efficiency and factors affecting technical inefficiency of strawberry farming in Purbalingga Regency. This study was conducted in Karangreja Subdistrict, Purbalingga Regency, Central Java Province. Purposive sampling method was utilized to select 100 farmers as the respondents. All of whom have been running their farm business for at least three years consecutively from 2015 to 2017. Stochastic frontier production function was applied to measure technical efficiency and factors affecting technical inefficiency. The findings show that strawberry farming in Purbalingga Regency, Central Java Province, is technically efficient with efficiency number varies between 26.50-99.40% and the average efficiency number of 77.80%. Furthermore, the results indicate that the farmers' formal education and the number of household members significantly affect the technical efficiency of strawberry farming.
Publisher Name	Universitas Gadjah Mada
Publish Date	2020-07-13
Publish Year	2020
Doi	DOI: 10.22146/teknosains.40944
Citation	
Source	Jurnal Teknosains
Source Issue	Vol 9, No 2 (2020): June
Source Page	105-115
Url	https://jurnal.ugm.ac.id/teknosains/article/view/40944/28128
Author	Dr Dr. IRENE KARTIKA EKA WIJAYANTI, S.P, M.P.