

RIBKHY AMINO SALEH. 2024. *Analysis of Production Efficiency in the Goat Milk Powder Agroindustry Using the Data Envelopment Analysis (DEA) Approach in Girikerto Village, Turi Sub-district, Sleman Regency. Supervised by Siti Hamidah.*

ABSTRACT

This research was conducted on the goat milk powder agroindustry in Girikerto Village, Turi Sub-district, Sleman Regency. The objectives of this study are: 1) To analyze the technical efficiency of the PE goat milk agroindustry on a small and medium scale; 2) To analyze the allocative efficiency of the PE goat milk agroindustry on a small and medium scale; 3) To analyze the economic efficiency of the PE goat milk agroindustry on a small and medium scale. This descriptive quantitative research used purposive sampling to determine the research location. The types of data used are primary and secondary data. Data collection methods included interviews, documentation, and observation. The analysis technique used is the non-parametric Data Envelopment Analysis (DEA) approach. The results of the study show that: 1) The small-scale goat milk powder agroindustry operates with 100% technical efficiency in 3 units, while the medium-scale operates with 83% technical efficiency in 5 units; 2) The small-scale goat milk powder agroindustry operates with 100% allocative efficiency in 3 units, while the medium-scale operates with 33% allocative efficiency in 2 units; 3) The small-scale goat milk powder agroindustry operates with 100% economic efficiency in 3 units, while the medium-scale operates with 33% economic efficiency in 2 units..

Keywords: *Production, Efficiency, Data Envelopment Analysis (DEA)*

Ribkhy Amino Saleh. 2024. Analisis Efisiensi Produksi Agroindustri Susu Kambing PE Menggunakan Pendekatan *Data Envelopment Analysis (DEA)* Di Kelurahan Girikerto, Kapanewon Turi, Kabupaten Sleman. Dibimbing oleh Siti Hamidah.

ABSTRAK

Penelitian ini dilakukan pada agroindustri susu kambing bubuk di Kelurahan Girikerto, Kapanewon Turi, Kabupaten Sleman. Penelitian ini bertujuan untuk 1) Menganalisis efisiensi teknis agroindustri susu kambing PE pada skala kecil dan menengah; 2) Menganalisis efisiensi alokatif agroindustri susu kambing PE pada skala kecil dan menengah; 3) Menganalisis efisiensi ekonomi agroindustri susu kambing PE pada skala kecil dan menengah. Metode penelitian deskriptif kuantitatif dengan penentuan lokasi penelitian menggunakan *purposive sampling*. jenis data yang digunakan adalah data primer dan sekunder. Metode pengumpulan data dengan cara wawancara, dokumentasi, dan observasi. Teknik analisis yang digunakan melalui pendekatan non-parametrik *Data Envelopment Analysis (DEA)*. Hasil penelitian menunjukkan bahwa 1) Agroindustri susu kambing bubuk skala kecil beroperasi efisien secara teknis sebanyak 3 unit (100%) sedangkan pada skala menengah efisien teknis sebanyak 5 unit (83%); 2) Agroindustri susu kambing bubuk pada skala kecil telah beroperasi efisien secara alokatif sebanyak 3 unit (100%), sedangkan pada skala menengah efisien secara alokatif sebanyak 2 unit (33%); 3) Agroindustri susu kambing bubuk pada skala kecil telah beroperasi efisien secara ekonomi sebanyak 3 unit (100%), sedangkan pada skala menengah agroindustri yang efisien secara ekonomi sebanyak 2 unit (33%).

Kata kunci: Efisiensi, Produksi, *Data Envelopment Analysis (DEA)*