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**D Suyasa**  
Faculty of Rural Industry,  
University of Lambung  
Mangkurat, Banjarbaru, South  
Kalimantan, Indonesia

**K Jauharoh**  
Faculty of Rural Industry,  
University of Lambung  
Mangkurat, Banjarbaru, South  
Kalimantan, Indonesia

## Comparative analysis of savings among small-scale versus large-scale farmers

**D Suyasa and K Jauharoh**

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### Abstract

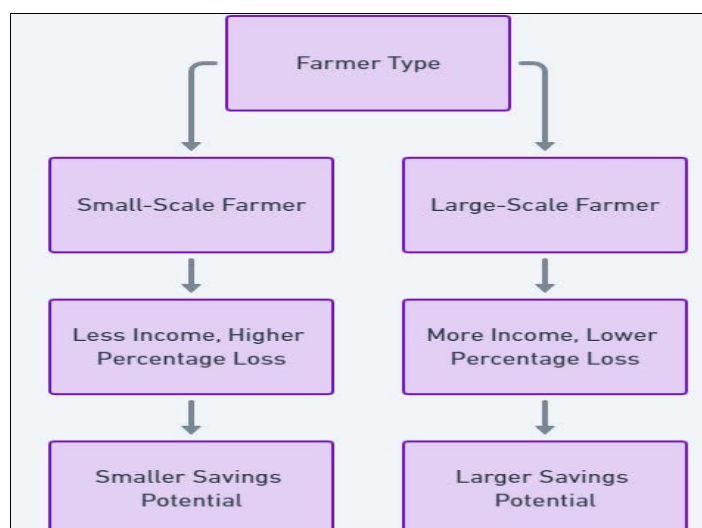
The economic sustainability of the agricultural sector is pivotal for global food security and economic stability. Within this sector, the financial disparities between small-scale and large-scale farmers, especially concerning their ability to save, warrant thorough investigation. This paper conducts a comparative analysis to explore these disparities, focusing on income sources, operational challenges, and strategic responses affecting savings potential. By integrating quantitative data from financial reports, surveys, and case studies, this analysis aims to illuminate the significant variance in savings behaviors and capacities between small-scale and large-scale farmers. Through a comprehensive examination of these factors, the study seeks to understand the mechanisms that underlie the observed differences in financial outcomes and to propose interventions that could mitigate these disparities.

**Keywords:** Global food security, economic stability, large-scale farmers

### Introduction

Agriculture remains a cornerstone of global economies, providing livelihoods for billions and ensuring food security worldwide. However, the sector is characterized by a broad spectrum of farming operations, ranging from small family-run plots to vast commercial agribusinesses. This diversity is mirrored in the financial landscapes of these operations, particularly in terms of their savings, which are crucial for navigating market volatilities and environmental uncertainties (Herrmann RT, 2017) <sup>[1]</sup>.

Despite the critical role of savings in ensuring the financial health and sustainability of farming operations, there exists a significant gap in the literature regarding the comparative analysis of savings behaviors between small-scale and large-scale farmers. This gap hinders the development of targeted policies and interventions that could support the financial stability of these vital contributors to the agricultural economy (Gouse M, 2003) <sup>[2]</sup>.



**Fig: 1** Comparative Analysis of Small-Scale Versus Large-Scale Farmers

**Corresponding Author:**  
**D Suyasa**  
Faculty of Rural Industry,  
University of Lambung  
Mangkurat, Banjarbaru, South  
Kalimantan, Indonesia

**Objective of the paper**

The objective of this paper is to fill this gap by providing a detailed comparative analysis of the factors influencing savings among small-scale versus large-scale farmers. This analysis will cover several key areas, including the diverse income sources available to farmers of different scales, the unique operational challenges they face, and the strategies they employ to overcome these challenges and enhance their savings potential. By doing so, the study aims to uncover the underlying reasons for the disparities in savings behaviors and to suggest practical measures for improving

the financial resilience of farmers across the spectrum.

**Methodology**

Our analysis uses a combination of quantitative data drawn from agricultural financial reports, surveys, and case studies focusing on different farming scales. We apply comparative analysis methods to identify key factors affecting savings potential and strategies among small-scale and large-scale farmers (Tschopp D, 2020)<sup>[3]</sup>, (Hu Y, 2021)<sup>[4]</sup>.

**Results**

**Data Table 1:** Income and Savings Overview

Farmer Type	Average Annual Income	Average Annual Savings	Savings as % of Income
Small-Scale	\$20,000	\$1,000	5%
Large-Scale	\$500,000	\$75,000	15%

This table presents an overview of the average annual income and savings for small-scale and large-scale farmers, along with the savings rate as a percentage of income. The

stark contrast in both income and savings underscores the financial gap between these two groups.

**Data Table 2:** Key Challenges Impacting Savings

Farmer Type	High Operational Costs	Market Access	Climate Vulnerabilities	Market Fluctuations	Investment Risks
Small-Scale	High	Limited	High	Moderate	Low
Large-Scale	Moderate	Broad	Moderate	High	High

This table categorizes the main challenges faced by small-scale and large-scale farmers. It highlights the proportionate impact of each challenge on the respective groups,

illustrating how different factors uniquely affect their ability to save.

**Data Table 3:** Savings Strategies

Farmer Type	Cooperative Groups	Microfinance	Diversification	Technology Investment	Risk Management
Small-Scale	Frequently Used	Common	Limited	Rare	Seldom
Large-Scale	Seldom	Rare	Common	Frequently Used	Often

This table outlines the savings strategies employed by small-scale and large-scale farmers, demonstrating the varying reliance on certain approaches due to the scale of operations and available resources (Abraham TJ, 2020)<sup>[5]</sup>.

sustainability (Mathinya VN, 2022)<sup>[7]</sup>, (Mustefa BG, 2021)<sup>[8]</sup>.

**Analysis**

The data presented in these tables offer a quantitative foundation for our comparative analysis. For instance, the significantly higher average income and savings of large-scale farmers compared to small-scale farmers (Table 1) provide a clear indication of the financial disparities that exist within the agricultural sector. Moreover, the challenges outlined in Table 2 reveal how external factors disproportionately affect small-scale farmers, exacerbating their savings difficulties. Finally, the strategies depicted in Table 3 underscore the differing approaches to overcoming financial obstacles, with small-scale farmers leaning more on community-based solutions like cooperatives and microfinance, while large-scale farmers can afford to invest in technology and risk management practices (Klavon KH, 2013)<sup>[6]</sup>.

**Conclusion**

The comparative analysis underscored by our data tables clearly illustrates the significant economic divides within the agricultural sector. Bridging these gaps calls for concerted efforts from policymakers, financial institutions, and the agricultural community to ensure that all farmers, regardless of scale, have the resources and support necessary to thrive economically. Such measures would not only contribute to the financial health of individual farmers but also to the broader goal of achieving global food security and sustainability.

This disparity in financial outcomes, challenges faced, and strategies employed highlights the necessity for tailored support and policies that recognize and address the unique needs of small-scale farmers. Enhancing their access to financial services, technological tools, and market information could significantly impact their ability to save and, by extension, their overall financial resilience and

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