

## THE SUCCESS OF ORGANIC AGRICULTURE AND ITS IMPLICATIONS FOR FOOD SECURITY: A REVIEW OF MODERN LITERATURE

**Rita Hayati**

Universitas Muhammadiyah Bengkulu  
[ritahayati@umb.ac.id](mailto:ritahayati@umb.ac.id)

**Loso Judijanto**

IPOSS Jakarta, Indonesia  
[losojudijantobumn@gmail.com](mailto:losojudijantobumn@gmail.com)

### Abstract

This paper explores the success of organic farming and its impact on food security through an analysis of modern literature. Organic farming has been shown to provide significant benefits for environmental sustainability, such as increased biodiversity and soil health, as well as agricultural products with higher nutritional quality. However, challenges to meeting global food demand remain, mainly due to lower yields compared to conventional methods and high production costs. Modern literacy suggests the need for technological support and more active government policies to overcome these obstacles. With the right support, organic farming can strengthen the global food system to be more resilient to climate change, overall strengthening food security for future generations.

**Keywords:** Organic Farming Success, Implications, Food Security, Modern Literature Review.

### Introduction

Modern agriculture today faces a range of complex challenges that include climate change, soil degradation, declining biodiversity, and high dependence on chemical inputs such as pesticides and synthetic fertilisers. All these have raised global concerns about the sustainability of conventional agricultural systems. On the other hand, food security has become a key issue integral to sustainable economic and social development. To address these challenges, organic farming is often considered as a more environmentally friendly and sustainable alternative (Willer & Lernoud ., 2020)

Organic farming, which minimises the use of synthetic chemicals and focuses on practices that improve ecosystem health, has gained significant attention in recent decades. The potential benefits of organic farming include improved soil quality, water conservation, reduced pollution, and increased biodiversity. Additionally, many studies suggest that organic produce has higher nutritional value and does not contain harmful pesticide residues (Santos & Pereira, 2022).

Organic farming has a crucial role in creating a sustainable agricultural system that can meet global food needs while preserving the environment. In the face of climate change, organic farming offers a solution by minimising the use of synthetic