

## ABSTRACT

**Title:** *An Analysis of Trend Prediction of Production and Consumption of Mustard Greens (Brassica Juncea L) from 2022 to 2031 in Bengkulu Province*

**Name:** *Reni Liawansyah*

**Student ID:** *20060048*

*The demand for mustard greens continues to increase along with the awareness of the importance of the nutrients contained in consuming vegetables. It contains proteins, fats, carbohydrates, fiber, and vitamins. Besides being used as food, mustard greens are also beneficial for human health because they contain essential vitamins and nutrients. This study aims to determine the trend estimation of mustard greens production and consumption in the Province of Bengkulu for the next 10 years from 2022 to 2031. The study was intentionally conducted in the province of Bengkulu, and the data analysis used in this research includes quantitative descriptive analysis and simple linear regression analysis (Trend Analysis), calculated using the least squares method. The results of this study show that the production trend line indicates a movement from the bottom left to the top right, explaining that mustard greens production in the Province of Bengkulu is likely to continue to increase almost every year from 2022 to 2031 with the equation value of  $y = 32,465.300 + 28.797 x$ . The consumption trend line indicates a straight-line movement from the bottom left to the top right, explaining that mustard greens consumption in the Province of Bengkulu is likely to continue to increase almost every year from 2022 to 2031 with the value of  $y = 15.8300 + 658 x$ .*

**Keywords:** *Mustard Greens, Consumption, Estimation.*

