

## Potential of Organic Matter in Increasing the Growth and Production of Chili Pepper (*Capsicum Frutescens* L.)

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**Abstract.** This study aims to determine the effect of various types of compost on the growth and production of chili pepper. This research was conducted in Sanrobone Village, Sanrobone District, Takalar Regency. This research was conducted using a Randomized Block Design (RAK) method with the treatment being tested, namely the provision of organic material in the form of corn stover compost, rice straw compost, kirinyuh and without compost as a control, each treatment repeated 3 times. The results showed that the rice straw compost treatment had a better effect than the control chili results. The height of the cayenne pepper produced was 72.33 cm, the number of productive branches was 15.33, the time of flower emergence (50%) was 57.33 days, the weight of the fruit planted was 524.47 grams, the weight of the fruit beds was 12.57 kg, and the weight of the fruit was hectare 10.47 tons/ha.

**Keyword:** chili pepper, rice straw, *cromolaena odorata*, corn stover