

ABSTRACT

THE INFLUNCE OF PRODUCTION FACTORS ON THE PRODUCTION OF HYBRID CORN

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Food crops are a source of staple food for humans that are consumed and must be fulfilled so that demand tends to increase, food commodities that are important to the community and the government are corn plants, the superiority of corn plants compared to other plants is that the nutritional content in corn is almost the same as rice so that corn can be used as staple food. This study aims to determine the effect of production factors of hybrid corn. This research was conducted in Cijulang Village, Cineam District, Tasikmalaya Regency from January 2022-March 2023. This research method uses a survey method. Sampling using simple random sampling. The analytical used is Cobb-Douglas. The F test was used to determine the simultaneous effect of production factors on large areas of land, seeds, NPK fertilizer, urea fertilizer, pesticides, and labor. Meanwhile, to determine the partial effect of large area of land, seeds, NPK fertilizer, urea fertilizer, pesticides, and labor, the t test was used. The results showed that the production factors of large area of land, seeds, NPK fertilizer, urea fertilizer, pesticides, and labor simultaneously affect the production of hybrid corn. Factors of seed production, NPK fertilizer, pesticides, and labor partially affect the production of hybrid corn. Meanwhile, for large areas of land, urea fertilizer partially does not affect the production of hybrid corn.

Key word: Hybrid Corn, Production, Production Factors.