

**KARAKTERISASI MUTU FISIK WORTEL (*Daucus carota* L.) ORGANIK  
DAN TINGKAT RETUR PRODUK DI CV TANI ORGANIK MERAPI,  
SLEMAN, YOGYAKARTA**

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**ABSTRAK**

Pertanian organik di Indonesia mengalami peningkatan seiring berjalannya tahun. Salah satu lahan pertanian yang menggunakan prinsip pertanian organik di Yogyakarta yaitu CV Tani Organik Merapi (TOM). Produk yang dihasilkan oleh CV Tani Organik Merapi khususnya wortel, mutu fisiknya belum terkarakterisasi. Selain itu, masih ada beberapa produk yang diretur. Oleh karena itu penulis melakukan analisis mutu wortel organik di CV Tani Organik Merapi untuk mengetahui karakter mutu dan tingkat retur dari wortel organik yang dihasilkan di CV Tani Organik Merapi. Metode yang digunakan dalam penelitian ini yaitu pengamatan pada wortel organik untuk mengetahui karakter mutu dari wortel tersebut, serta menganalisis data diameter umbi, panjang umbi, dan retur produk yang dituangkan kedalam *control chart*.

Hasil dari penelitian ini yaitu karakter mutu dari wortel organik yang dihasilkan oleh CV Tani Organik Merapi memiliki warna yang relatif seragam, inti umbi tidak berkayu, memiliki kadar cacat sebesar 1% namun masih masuk dalam batas toleransi kelas mutu Super yaitu maksimal sebesar 5%, memiliki panjang rata-rata umbi sepanjang 15,38 cm dan diameter rata-rata umbi yaitu 3,65 cm. Berdasarkan SNI 3163:2014, dengan karakter mutu seperti ini, maka wortel organik yang dihasilkan oleh CV Tani Organik Merapi termasuk dalam kelas mutu Super dan memiliki kode ukuran B, sedangkan persentase produk wortel organik CV Tani Organik Merapi yang diretur oleh konsumen yaitu sebesar 1,05%.

**Kata kunci : *Control chart*, CV Tani Organik Merapi, karakter mutu, retur produk, wortel organik.**

**CHARACTERIZATION OF ORGANIC PHYSICAL QUALITY OF  
CARROT (*Daucus carota* L.) AND RETURN LEVEL OF PRODUCTS IN  
CV TANI ORGANIK MERAPI, SLEMAN, YOGYAKARTA**

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**ABSTRACT**

*Organic farming in Indonesia has increased over the years. One of the agricultural lands that uses the principle of organic farming in Yogyakarta, namely CV Tani Organik Merapi (TOM). The products produced by CV Tani Organik Merapi, especially carrots, have not been characterized physically. Furthermore, there are still a number of products returned. Therefore the researcher conducted an analysis of the quality of organic carrots at CV Tani Organik Merapi to determine the character of the quality and rate of return of organic carrots produced at CV Tani Organik Merapi. The method used in this study is observing organic carrots to determine the quality characteristics of the carrot, and analyze data on tuber diameter, tuber length, and product return as outlined in the control chart.*

*The results of this study were the quality characteristics of organic carrots produced by CV Tani Organik Merapi which have a relatively uniform color, non-woody tuber core, have a defect content of 1% but were still included in the Super quality class tolerance limit of 5%, having the average length of tubers is 15,38 cm and the average diameter of the tuber is 3,65 cm. Based on SNI 3163:2014, with this quality character, organic carrots produced by CV Tapi Organik Merapi are included in the Super quality class and have a B code size, while the percentage of organic carrot products from CV Tani Organik Merapi returned by consumers is 1,05%.*

**Keywords :** *Control chart, CV Tani Organik Merapi, organic carrot, product returns, quality characteristic.*