Effect of Potassium Level on Quality traits of Indonesian Potato Tubers

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Abstract	The rate of K2O can affect yield and process-grade tubers of potato (Solanum tuberosum L.). The Indonesian cultivars Tenggo and Krespo were examined for effects of K2O level on selected quality traits. Both new cultivars are intended for processing purposes. The result showed that dry matter, K, Mg and Mn contents were not affected by K2O supply. Citric acid content of cultivar Tenggo increased up to 2.64 mg 100 g-1 Dry Matter due to application of 100 kg ha-1 K2O , whereas ascorbic and chlorogenic acid contents were not affected by K2O level. Malic and fumaric acid in cultivar Krespo, and tartaric and fumaric acids in cultivar Tenggo increased due to application of 100 kg ha-1 of K2O. Regarding the oxidative potential no differences between the cultivars were found.
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