

Title Physical Properties of Pomelo (*Citrus maxima*)
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Abstract

This research was conducted to study the physical properties of pomelo (Thong Dee). The scope of the studies was concentrated on the average properties of pomelo size and sweetness. The former was studied on its sizing, shell properties, meat, and fold fraction. The latter was studied on the sweetness of flesh on a Brix scale. It was found that the Thong Dee had 1063.2 grams of weight with 129.1, 140.4, and 138.6 mm of length, width, and thickness, respectively. The shell had 20.7 mm of the thickness, represented as 34.2% of weight fraction. The meat had 90.6, 115.7, and 113.9 mm of length, width, and thickness of flesh, respectively. The meat had 672.5 grams, represented as 65.8% of weight fraction. For a number of pomelo, it had 14-18 segments, with the sizing of 86.3, 44.3, and 22.6 mm of the length, the width, and the thickness of flesh, respectively. The weight of each fold was 41.4 grams. The sweetness of the Thong Dee was found as 6.2-11.8 degrees Brix. Moreover, it was also found that the moisture content inside the meat was 440-994% of dry basis.