

**Title** Preliminary study on fruit variability of Chok Anan mango (*Mangifera Indica* L. var. Chok Anan)

**Author** F. Abdullah, T.M. Tengku Ab. Malik, A. Ahmad Mahdzir, A.S. Abdul Aziz

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### **Abstract**

Chok Anan is one of the popular mango cultivars in Northern Peninsular Malaysia. However, due to variability in fruits during harvest, we conducted a preliminary study to evaluate fruit characteristics of this type of mango. During 2008 fruiting season, mango fruits were harvested from known trees source at commercial mango plot at Bukit Tangga MARDI Research Station, Kedah, Malaysia. Fruit characteristics such as fruit weight, size (length, width and thickness) and total soluble solid (TSS) were measured and recorded. The relationship between fruit characteristics was also assessed. Results showed that fruit weight, size and TSS of Chok Anan mango during harvest varied greatly within trees. Fruit weight at harvest ranged from 144 to 315 grams. In addition, TSS also varied from 16.3 to 21.2 °Brix. Furthermore, highly significant correlation was found between fruit weight, size and TSS. These observations have important implications for improvement of Chok Anan mango for breeding as well as postharvest purposes.