



## ***Comparative Analysis of the Phytochemical Properties and Total Sugar Content of Three Local Varieties of Ripe Carica papaya L. Fruit***

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### ***Abstract***

**C**arica papaya L. is a perennial plant cultivated mostly in tropical and subtropical lands including the Philippines, India, South America, Sri Lanka, and East Africa. Of all its parts, it is usually the fruit that is utilized for human consumption. Carica papaya L. comes in different varieties, including the Solo, Sinta, and Red Lady papayas. This study aimed to analyze and compare the total phenolic and flavonoid content, antioxidant capacity, and alkaloid presence of these three varieties in contrast to their total sugar content. Tests such as the Folin-Ciocalteu method, analysis of total flavonoid content, DPPH-scavenging activity assay and the Anthrone method were done. Descriptive statistics such as Levene statistics, means, standard deviations, ANOVA, and Tukey's test were used for data.



### ***Biography:***

Rachelle Mae Valimento Cabigan is a senior Bachelor of Nutrition student from the Institute of Human Nutrition and Food, College of Human Ecology, University of the Philippines-Los Baños. She graduated salutatorian from Carmona Elementary School in 2011 and finished her secondary education level at the University of Perpetual Help System-JONELTA Binan Campus (3rd honorable mention) in 2015.



### ***Speaker Publications:***

1. Young women Article Jan 2019 DOI: 10.3324/haematol.2018.208645 ISBN: 0390-6078

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