

## ANALYSIS OF FERULIC ACID CONTENT IN BAMBOO SHOOT AND PROCESSED PRODUCTS FROM BAMBOO SHOOT

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### ABSTRACT

Ferulic acid is the one important phenolic acid since its good for health as antioxidant. Bamboo shoot used as the raw material to investigate ferulic acid. The aim of this work was to study feasibility on preparation of ferulic acid from each part of bamboo shoot such as the peel and flesh, then their processed product as boiling, pickling were also tested by reverse phase high performance liquid chromatography. The results presented that in raw Peel of bamboo shoot contained the maximum ferulic acid contents as  $2197.08 \pm 2.10$  mg/100g and the pickled flesh of bamboo shoot showed the lowest ferulic acid content as  $107.18 \pm 2.95$  mg/100g. This work showed that to feasibility on preparation of ferulic acid should be used the raw peel of bamboo shoot as a raw material to get the valued antioxidant nutrient for supplement food.

**Keywords:** Bamboo shoot, Ferulic acid, processed products.