

CHARACTERISTIC AMYLUM JACKFRUIT SEEDS (*Artocarpus heterophyllus Lamk.*) AND IN VITRO ANTIOXIDANT ACTIVITY TEST

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Abstract

*Jackfruit seeds are not much explored in terms of nutrition and antioxidant properties. Gupta et al., indicated jackfruit seeds to be a good source of nutritional and antioxidant components and hold their potential for value addition and nutreaceuntical development. The purpose of this study was determine : (1) Knowing the characteristics of the starch contained in the seeds of Jackfruit (*Artocarpus heterophyllus Lamk.*) (2) Knowing the moisture, ash , and Phytochemical content in the Jackfruit seeds (3) Evaluation antioxidant activity DPPH Method that using Etanol 96%.*

*The characteristic of the starch obtained from isolated starch is a starch that high amylosa and amylopektin content flour seeds jackfruit (*Artocarpus heterophyllus Lamk.*) has a water content of 8,01 % , ash content of 3,34%. The jackfruit seeds has positive phytochemical compounds such as flavonoids, Saponin and steroid. The jackfruit seeds have IC₅₀ value 514,77 ppm (low) when associated with IC₅₀ value of Vitamin C 3,359 ppm (very Strength). Result Indicated jackfruit seed have antioxidant activity 153 x lower than vitamin C.*

*Keywords : Amylum, Antioxidant Activity, Jackfruit, Jackfruit seeds (*Artocarpus heterophyllus Lamk.*), DPPH*