CHARACTERISTIC AMYLUM JACKFRUIT SEEDS (Artocarpus heterophyllus Lamk.) AND IN VITRO ANTIOXIDANT ACTIVITY TEST
Reny Angelina Asmarawati¹, Aprilita Rina Yanti², Eddy Purwoto Boedijono³
¹Majoring Nutrition Science, Faculty of Health Esa Unggul University
²Faculty of Health Sciences, Esa Unggul University
³Chemical Laboratory Health Sciences, Esa Unggul University
Jalan Arjuna Utara No.9, Kebon Jeruk, Jakarta Barat

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 nutraceutical 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