

Functional properties of jackfruit seed flour

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In the current experiments functional properties of jackfruit seed flour stored in HDPE and Aluminium foil pouches was evaluated during storage of 0 to 90 days. From the experiment it was concluded that the water absorption capacity decreases from 2.02 ± 0.042 to 1.22 ± 0.046 ml/g and from 2.02 ± 0.042 to 1.28 ± 0.046 ml/g for jackfruit seed flour in HDPE and Aluminium foil pouches, respectively. The oil absorption capacity increases as 2.10 ± 0.045 to 2.40 ± 0.047 ml/g and 2.10 ± 0.045 to 2.85 ± 0.047 ml/g jackfruit seed flour in HDPE and Aluminium foil pouches, respectively. The flour dispersibility decreases from 32.67 ± 0.092 to $27.25 \pm 0.921\%$ and from 32.67 ± 0.092 to $28.82 \pm 0.468\%$ for jackfruit seed flour in HDPE and Aluminium foil pouches, respectively. The foaming capacity decreases from 7.10 ± 0.202 to 6.42 ± 0.122 g/ml and from 7.10 ± 0.202 to 6.56 ± 0.071 g/ml for jackfruit seed flour in HDPE and Aluminium foil pouches, respectively.

Key Words : Functional properties, Jackfruit seed flour, Water absorption capacity, Oil absorption capacity, Flour dispersibility, Foaming capacity

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