SHELF LIFE OF COMPOSITE FLOUR IN DIFFERENT PACKAGING MATERIALS UNDER ACCELERATED CONDITION

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Abstract: “Increasing prevalence of obesity and physical inactivity has lead to increase in number of people with diabetes. A composite flour utilizing ragi and wheat flour is used to prepare composite flour ratio being 70:30 (Wheat: Finger millet). The composite flour contains fairly good amount protein (10.49%), ash (1.38%) and 251.724 (mg/100 g) calcium which shows that the product is nutritionally rich especially in terms of calcium and protein. The fat content (1.5%) is quite low. The storage studies were performed under accelerated condition (89% RH and 40°C temp.) using the packaging materials multilayer, LDPE and kraftpaper. The packed samples of composite flour were analyzed after a fixed interval of 10 days for change in moisture, fat, rancidity and colour up to 90 days. After 90 days of storage it was found that multilayer is best and cost economic packaging material for composite flour.”

Keywords: Accelerated condition, Composite flour, Packaging materials

REFERENCES


