



ABSTRACT

THE EFFECTS OF PLASTIC PACKAGES ON THE STORAGE LIFE OF GEPLAK

Geplak is a specific food produced in Bantul, Yogyakarta. The storage life of geplak, the length of storage time until the geplak is damaged, varies from 7 to 12 days. The damage of geplak is indicated by the rancidity, the existance of visible mold on its surface, and the changes in its texture. It is hypothesized that packaging geplak with plastic can increase the geplak storage life.

Geplak with 0,1 percent Pottasium sorbat were dried in an oven on 100 °C for 60 minutes. Those geplaks were packaged in polypropilen plastic with three different thickness (0,15 mill, 0,3 mill and 0,5 mill) and were stored in room temperature condition. Unpackaged geplaks were used as the control. The effects of the plastic packages on the geplak storage lifes were studied. The study was based on the data of water content, total acidity, total mold, TBA value, colour and texture of those geplaks.

The result showed that plastic package was able to increase the geplak storage life. The average storage life of unpackaged geplaks (the control) was 30 days. The geplaks packaged by plastic had storage life of more than 45 days. After a 45-day storage, most consumers liked the geplaks in 0,15 mill plastic packages, and less like the geplaks in either 0,30 mill or 0,50 mill plastic packages. Based on the storage life and konsumers' favor, the 0,15 mill plastic package was the best one for packaging geplaks with 0,1 percent Pottasium sorbat and 60-minutes drying.



INTISARI

PENGARUH PENGEMAS PLASTIK TERHADAP UMUR SIMPAN GEPLAK

Geplak merupakan makanan khas daerah Bantul, Yogyakarta. Umur simpan geplak relatif pendek dan kerusakannya ditandai dengan ketengikan, timbulnya jamur pada permukaan geplak, dan berubahnya tekstur geplak. Dalam percobaan ini dipelajari pengaruh pengemas plastik terhadap umur simpan geplak.

Geplak dengan penambahan Pottasium sorbat 0,1 persen dikeringkan dalam oven pada suhu 100 °C selama 60 menit. Geplak tersebut dikemas dalam plastik jenis polipropilen yang tebalnya 0,15 mill, 0,30 dan 0,50 mill, dan disimpan dalam kondisi suhu ruang. Pengamatan geplak dilakukan selama 45 hari, meliputi kandungan air, total asam, angka TBA, jumlah koloni jamur, warna dan tekstur geplak.

Hasil penelitian menunjukkan bahwa pengemas plastik dapat memperpanjang umur simpan geplak, dengan Pottasium sorbat dan pengeringan. Geplak yang tidak dikemas plastik umur simpannya mencapai 30 hari. Geplak yang dikemas plastik umur simpannya lebih dari 45 hari. Geplak sesudah disimpan 45 hari, yang dikemas plastik 0,15 mill masih disenangi konsumen, sedangkan yang dikemas plastik 0,30 dan 0,50 mill agak disenangi konsumen. Berdasarkan umur simpannya dan penerimaan konsumen, plastik dengan ketebalan 0,15 mill merupakan pengemas paling baik untuk geplak dengan Pottasium sorbat 0,1 persen dan pengeringan selama 60 menit.