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## The stability test of Losartan Potassium towards the influence of pH and light using high-performance liquid chromatography

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**Objective:** The objective of this research was to evaluate the influence of pH and light towards Potassium Losartan that suspends in water.

**Methods:** In this study, the percentage of Losartan Potassium suspension concentration was measured using High-Performance Liquid Chromatography based on the method of United States Pharmacopeia. Losartan Potassium Suspension was tested with variant condition which was suspended in pH 4 and pH 7 with protected and unprotected light condition, the testing is done by sampling at a time 0, 15, 30, 45, and 60 minutes

**Results:** The results showed that the suspension Losartan Potassium can be stored until the 45 minute with the concentration 98.63255% for pH 4 with unprotected light condition; 98.89277% for pH 7 with unprotected light condition; 98.55745% for pH 4 with protected light conditions; and 99.0656% for pH 7 with protected light condition. The result of this study showed after 45-minute losartan potassium suspension did not meet the requirement in the monograph which is 101.0 to 98.5%.

**Conclusion:** This research showed that the effect of pH and light on Losartan Potassium suspension did not give a significant difference.

**Keywords:** Suspension, Losartan Potassium, pH, light.

### Recent Publications

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### Biography

Nelly suryani is a lecture in pharmacy department of faculty of medicine and health science, stated islamic universit Syarif Hidayatullah Jakarta, Indonesia. Her interested field of study is pharmacy practice and pharmacy technology.

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