

16th Annual**MEDICINAL & PHARMACEUTICAL SCIENCES CONGRESS**
October 16-17, 2017 Seoul, South Korea**The stability test of Losartan Potassium towards the influence of pH and light using high-performance liquid chromatography****Nelly Suryani, Supandi, Yardi and Tiara Aprilia**

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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 Stated 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**

Ahuja, Satinder dan Dong, Michael W. 2005. Handbook of Pharmaceutical Analysis by HPLC volume 6. San Diego: Elsevier Inc.

Bemt, et al. 2006. Quality Improvement of Oral Medication Administration in Patient with Enteral Feeding Tube. *Qual Saf Health Care*. 15(1): 44-47

Bhatnagar, et al. 2011. A Review on Imidazole: Their Chemistry & Pharmacological Potential. International Journal of PharmTech Research CODEN (USA) IJPRIF ISSN: 0974-4304 Vol.3, No.1 pp 268-282

Cairns, Donald. 2012. Essentials of Pharmaceutical Chemistry 4th Edition. London: Pharmaceutical Press.

Departemen Kesehatan. 1995. Direktorat Jenderal Pengawasan Obat dan Makanan Farmakope Indonesia Edisi ke 4. Jakarta: Departemen Kesehatan RI.

DiPiro, et al. 2005. Pharmacotherapy: A Pharmacologic Approach. New York: *McGraw-Hill***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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