

## ABSTRACT

### STUDY OF DIURETIC USE IN PATIENT WITH HEART FAILURE

**(The Study had been conducted in Intermediate Inpatient Room of Cardiovascular Intervention Unit at Bhayangkara H. S. Samsoeri Mertojoso Hospital Surabaya)**

LOLLA JUNNY A.

Heart failure is a clinical syndrome characterized by specific history and symptoms associated with blockage and hypoperfusion. Typical symptoms of heart failure such as shortness of breath at rest or activity, fatigue, and edema of the legs. Therapy that has been used as management of heart failure for years is diuretic. Diuretic has been used to manage heart failure for years. Three types of diuretics that have often been used were thiazides, loop diuretics, and potassium-sparing diuretics. However, heart failure patient tends to get many drugs (polypharmacy) so drug related problems easily occur.

This study aimed to analyze the use of diuretics and identify drug-related issues that may occur in patient therapy such as drug interactions and side effects of diuretics. This study was descriptive retrospective study. The samples were obtained from September 2016 to February 2017 with a total of 50 samples.

Based on the research on 50 patients, 25 patients (50%) were given single furosemide therapy with dosage (10mg/hours) Pump, dosage (2x20mg) IV of 4 patient, dosage (1x40mg) oral of 6 patients. In this study did not find the actual drug related problem.

Based on those results, it can be concluded that the use of diuretics in patients with heart failure that includes the type, dose, and route had been in accordance with scientific literature. The role of pharmacist and other medical personnel is urgently needed given drug related problem in order to work together in the management of heart failure therapy.

**Keywords:** diuretic, heart failure, Inpatient