

***Risk Factor of Heart Failure Based On Medical Record of Inpatients at The dr.
H. Koesnadi Bondowoso General Hospital***

Dwi Rizky Permatasari

*Health Information Management Study Program
Health Departement*

ABSTRACT

Heart failure is a condition in which the heart can not pump sufficient blood supply throughout the body. Heart failure was also one of cardiovascular disease which has a high prevalence rate. Dr. H. Koesnadi Bondowoso General Hospital was a hospital with the number of inpatients with Heart Failure cases that went up and down from 2016-2019. This study aimed to analyze the relationship of risk factors for heart failure, namely age, gender, obesity, hypertension, diabetes mellitus and other cardiovascular diseases to the incidence of heart failure based on medical record of inpatients at dr. H. Koesnadi Bondowoso General Hospital in 2019. Design of this study used the analytical observation with case control approach using secondary data. The sample of this study consisted 68 cases and 68 controls using simple random sampling. Univariate and bivariante data analysis with chi-square test. The results show that the variables related with heart failure are age ($p= 0.000$, $OR= 13,4$), obesity ($p= 0.005$, $OR= 4.2$), other cardiovascular diseases ($p= 0.000$, $OR= 3.3$). And the unrelated variables are hypertension ($p= 0.161$, $OR= 1.763$), gender ($p= 0.606$, $OR= 0.837$), diabetes mellitus ($p= 0.729$, $OR= 0.887$). Based on this study, it is recommended that people aged 40 years, are obese, and have other diseases to have regular check-ups.

Keywords: *Case Control, Risk Factors, Heart Failure, Medical Records.*