***Analysis of Hypertension Risk Factors (I10 – I15) Based on Medical Records of Inpatients at Bhayangkara Bondowoso Hospital***
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## ABSTRACT

*Hypertension is a condition of increase systolic blood pressure ≥140 mmHg and diastolic ≥90 mmHg. Hypertension was one of the diseases with a prevalence rate of 1.28 billion people in the world. Bhayangkara Bondowoso Hospital was a hospital with an increased number of inpatients with an increased incidence of hypertension from 2021-2023. This study aims to analyze the relationship of hypertension risk factors, namely age, sex, family history, dyslipidemia, obesity, smoked history and history of drank alcohol to the incidence of hypertension based on medical records of inpatients at Bhayangkara Bondowoso Hospital in 2023. This type of analytical observational research with a case control approach used secondary data. The study sample consisted of 79 case samples and 79 control samples used purposive random sampling. Data analysis was performed univariately and bivariately used the chi-square test. The results showed variables related to the incidence of hypertension, namely age (p = 0.004, OR = 3.601), sex (p = 0.002, OR = 0.3), smoked history (p = 0.040, OR = 3.693) and unrelated variables namely dyslipidemia (p = 0.210 OR = 5.270) and variables that could not be analyzed statistically, namely family history, obesity, and history of drank alcohol. So, risk factors for the incidence of hypertension are age ≥ 40 years, female sex, and who have a history of smoked. It is expected that the hospital will carry out health promotion on hypertension risk factors and invitations for the implementation of a healthy lifestyle such as a healthy diet that is high in fiber and low in cholesterol, exercised, and avoided cigarette and alcohol consumption and completed medical record records such as filled in family history, weight and height and cholesterol checks on patient medical records*

*Keywords : Risk Factors, Hypertension, Medical Records*