

Analisis Faktor Risiko *Stroke Ischemic* Berdasarkan Rekam Medis Pasien Rawat Inap di Rumah Sakit Bhayangkara Bondowoso Tahun 2023 (*Analysis of Risk Factors for Stroke Ischemic Based on Inpatients Medical Records at Bhayangkara Bondowoso Hospital in 2023*)
Ervina Rachmawati, S.ST., MPH as chief counselor

Reghina Izdihar Qothrunnada
Health Information Management Study Program
Department of Health
Program Studi Manajemen Informasi Kesehatan
Jurusan Kesehatan

ABSTRACT

Ischemic stroke cases at Bhayangkara Bondowoso Hospital are always in the top 10 hospital morbidities throughout 2020-2023. Based on that, stroke ischemic is also the highest cause of death in inpatient units for the 2020-2023 period. This study aims to analyze the relationship between age, gender, hypertension, diabetes mellitus, heart disease, and smoking history to the incidence of ischemic stroke, as well as analyzing the most dominant risk factors based on inpatients medical records at Bhayangkara Bondowoso Hospital in 2023. Observational analytic research was use in this study with a case control research design. The population of this study was 158 medical records of stroke ischemic cases which were completely filled out. Based on the results of sample size calculation, 113 samples for each case and control were selected using simple random sampling. Data analysis consisted of univariate analysis, bivariate analysis using Chi-Square test and multivariate analysis using multiple logistic regression test. The results showed that there was a significant association between age (p value=0.000), hypertension (p value=0.000), diabetes mellitus (p value=0.000), and heart history (p value=0.020) with the incidence of ischemic stroke. Hypertension was the dominant risk factor for stroke in this study with the highest OR value (OR=30.984; CI (12.105– 79.303)). Based on the research results, it can be concluded that the risk factors for ischemic stroke are age, hypertension, diabetes mellitus, and heart disease. People are advised to start adopting a healthy lifestyle and controlling the factors of ischemic stroke.

Keywords: *case-control, multivariate, risk factor, stroke ischemic*