

**FACULTY OF HEALTH SCIENCES
SILIWANGI UNIVERSITY
TASIKMALAYA
PUBLIC HEALTH MAJOR
2024**

ABSTRACT

NAAFILAH AUDI LESTARI ZAHROH

**ANALYSIS OF RISK FACTORS RELATED TO STROKE INCIDENTS
IN INPATIENTS AT DR SOEKARDJO HOSPITAL IN 2023**

The mortality rate and burden of stroke in Indonesia are the highest in Asia with a mortality rate of 193.3/100,000 people per year and a burden of 3382.2/100,000 people. Data from the 2018 National Riskesdas Report shows that the prevalence of stroke in Indonesia has increased. In 2013, the prevalence of stroke in Indonesia was 7%, then increased in 2018 to 10.9%. This study aims to determine the risk factors associated with the incidence of stroke in stroke patients hospitalized at Dr. Soekardjo Hospital in 2023. This study uses an analytical method with a case-control study design, each number of case and control groups is 102 respondents. The variables studied in this study were a history of hypertension, a history of diabetes mellitus, a history of heart disease and a history of high blood cholesterol levels. Based on the chi-square test, in this study there is a significant relationship between a history of hypertension, a history of diabetes mellitus, a history of heart disease and a history of high cholesterol levels with the incidence of stroke, each p value is 0.001, 0.001, 0.007 and 0.002. Based on the results of the statistical test, the Odd Ratio value was also obtained in respondents with a history of hypertension, a history of diabetes mellitus, a history of heart disease and a history of high cholesterol levels, each having a risk of 24 times, 12 times, 7 times and 4 times greater of suffering from stroke compared to respondents without a history of these diseases. The conclusion of this study based on the results of the chi-square statistical test is that there is a significant relationship between a history of hypertension, a history of diabetes mellitus, a history of heart disease and a history of high cholesterol levels with the incidence of stroke in inpatient stroke patients at Dr. Soekardjo Hospital in 2023 (p value <0.05).

Keywords: stroke, hypertension, diabetes mellitus, heart disease, cholesterol levels