ANALYSIS OF RISK FACTORS WITH ARTERIAL HYPERTENSION IN THE TOWN OF KEDIRI ORDINAL LOGISTIC REGRESSION

Name : Aliefa Maulidia dzikrina
NRP : 1308 030 017
Departement : Diploma III Statistika ITS
Adviser : Ir. Mutiah Salamah, M.Kes

Abstract

Hypertension is a condition of increasing blood pressure that gives you the progress of the symptoms of a target of body organ that can cause severe damage. Triggering factor for hypertension can be distinguished that are not controlled (such as heredity, gender, and age) and that can be controlled (such as stress, obesity, lack of exercise, smoking, and alcohol consumption, fat, preservatives and salt). Objectives to be achieved in this study is to obtain factors that influence the level of risk for hypertension based on JNC VII blood pressure stage I hypertension (140-159 mmHg), hypertension stage II (160-179 mmHg), and hypertension stage III (>180 mmHg) using ordinal logistic regression method. After doing the analysis of risk factors that affect blood pressure levels are age, obesity, exercise habits, smoking habits, alcohol consumption habits, stress, eating foods that contain fat, and consume foods that contain preservatives.

Key Words: Hypertension, Hypertension risk factor, hypertension stage I, hypertension stage II, hypertension stage III, ordinal logistic regression