

***SURVIVAL ANALYSIS OF PARANOID SCHIZOPHRENIA PATIENTS  
USING WEIBULL REGRESSION MODEL***

***(Case Study : Medical Record Data Of Paranoid Schizophrenia Patients In  
RSUD Banyumas)***

**Ellysa Lutfiana**

Department of Statistics Faculty of Mathematics and Natural Sciences  
Islamic University of Indonesia

**ABSTRACT**

*Schizophrenia is the most common mental disorder in Indonesia with many patients as many as 400.000 people or a prevalence of 1,7%. The improvement condition of the schizophrenia patient are influenced by a variety of factors, therefore this research aims to know the factors that affect to the length of patient's improvement condition as one of the efforts to reduce the numbers of schizophrenia sufferers. Survival analysis with weibull regression model is one of the analytical methods that used to determine the effect of some variables on survival data as response variable. The study was conducted on paranoid schizophrenia patients in RSUD Banyumas. Based on the result of the analysis showed that factors which are affecting to the length of time patient's improvement condition were age (26-45 years), age (46-65 years), marital status, and ECT.*

*Key words : Paranoid Schizophrenia, Survival Analysis, Weibull Regression Model*