

***Survival Analysis of Chronic Kidney Disease Patient (N18) at Perkebunan  
Jember Klinik Hospital***

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***ABSTARCT***

*Chronic Kidney Disease can be defined as an abnormality kidney structure of function with a reduction in glomerular filtration rate  $<60\text{ml/min/1.72m}^2$  that persists for at least three months. The number of chronic kidney failur pastients in Indonesia was 638,178. Perkebunan Jember Klini Hospital noted that the number of inpatients due to chronic kidney disease is include in the top 10 inpatient diseases in 2024 and consistently in the top 10 mortality from 2021-2024. The purpose of this study was to determine the differences in survival of chronic kidney disease patient in age, gender, marital status, insurance status, education, job station, history of hipertension, history of diabetes mellitus and duration of hemodialysis therapy at Perkebunan Jember Klinik Hospital. This type of research is quantitative research with a retrospective cohort. The sample size is 125 samples with Proportional Random Sampling technique. Data analysis used tha Kaplan-Meier method and log rank test. The estimated median survival value of chronic kidney disease patients with hemodialysis is 44 months. The result showed there were differences in the survival of chronic kidney disease patients with several factors, job station (p-value 0,026), history of diabetes mellitus (p-value 0,005), and duration of hemodialysis therapy (p-value 0,000) and factor there is no differences is age (p-value 0,634), gender (p-value 0,067), marital status (p-value 0,251), insurance status (p-value 0,564), education (p-value 0,806), and history of hiertesions (p-value 0,182). The conclusion of the study is that longer survival occurs in patients with chronic kidney disease who have jobs,, nothing history of diabetes mellitus, and hemodialysis therapy lasting  $>12$  months. The suggestion of this study is the hospital is advised to monitor the health of patients undergoing hemodialysis by paying attention to factors that affect patient survival. Future researchers can conduct more in-depth analysis, add other factors, and conduct research in different locations*

**Keyword:** *chronic kidney disease, hemodialysis, survival analysis*