

**FAKULTAS ILMU KESEHATAN
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ABSTRACT

SRI MULYANI RAHAYU

***FACTORS RELATED MORTALITY OF HIV/AIDS PATIENTS AT
REGIONAL PUBLIC HOSPITAL 45 KUNINGAN IN 2021 – 2023***

HIV/AIDS is an infectious disease caused by HIV virus which infects CD4 T white blood cells and results in decreased function of the immune system. Deterioration immunity to the risk of mortality HIV infection occurs chronically, influenced by high viral load levels with/or CD4 levels below 200 cells/mm³, occurrence of opportunistic infections, neoplasms, and AIDS with diseases of the respiratory tract. In 2022, Kuningan District recorded 151 new cases of HIV/AIDS, which is the biggest finding since the last 9 years. Regional Public Hospital 45 Kuningan recorded 61 (40%) new cases of HIV/AIDS in Kuningan District in 2022. This study aims to determine factors associated mortality of HIV/AIDS patients at Regional Public Hospital 45 Kuningan from January 2021 – May 2023. Cross sectional method used in this study with total sampling of 173 patients over 5 years of age. Bivariate analysis using chi-square test and Fisher's exact test (CI 95%) found that mortality significantly associated with clinical stage ($p=0.005$; $PR=6.416$) and pulmonary tuberculosis ($p=0.002$; $PR=3.769$). Meanwhile, age ($p=0.697$; $PR=0.483$), gender ($p=0.166$; $PR=2.795$) and ARV therapy ($p=0.702$; $PR=2.344$) were found not related to mortality of HIV/AIDS patients. Regional Public Hospital 45 can keep implementing mandatory mask areas and appeal patients to always wear masks when visiting, especially at the Lung Clinic and Edelweiss Clinic to prevent transmission of pulmonary TB.

Keywords: HIV/AIDS, Mortality, Clinical Stage, Pulmonary TB