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**ABSTRACT**

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**FACTORS ASSOCIATED WITH THE INCIDENCE OF PULMONARY  
TUBERCULOSIS IN THE WORKING AREA OF UPTD PUSKESMAS  
PURBARATU TASIKMALAYA CITY IN 2023**

*Pulmonary tuberculosis is an infectious disease caused by a potentially serious bacterial infection of *Mycobacterium tuberculosis* that generally affects the lungs and is transmitted through the air. The purpose of this study was to determine the factors associated with the incidence of pulmonary tuberculosis in the working area of UPTD Puskesmas Purbaratu Tasikmalaya City in 2023. This quantitative research was conducted with a case-control study approach. The case population is all pulmonary tuberculosis patients who have been registered in the working area of UPTD Puskesmas Purbaratu Tasikmalaya City in 2023, while the control population is all residents who are not registered as pulmonary tuberculosis patients in the working area of UPTD Puskesmas Purbaratu in 2023 who are >15 years old. The sample ratio of case and control groups is 1: 2 (case group 43 people with total sampling method and control 86 people with accidental sampling method. So that the total sample was 129 respondents). Data analysis consisted of univariate and bivariate analysis using the chi-square test with a significance value of  $\alpha$  5%. The results showed that there was an association between contact history ( $p$ -value 0.039), and humidity ( $p$ -value 0.039) with the incidence of tuberculosis. Meanwhile, there was no association between smoking habit ( $p$ -value 0.282) and the incidence of pulmonary tuberculosis in the working area of UPTD Purbaratu Health Center, Tasikmalaya City in 2023. Suggestions: The community is advised not to make a habit of smoking in the house, always report to the TB cadre when anyone feels symptoms of TB or when anyone has been in contact with TB patients to minimize the occurrence of a wide contact history, and pay more attention to aspects of a healthy home by arranging the arrangement of goods such as cabinets so that air circulation and sunlight can enter and function optimally so as to reduce room humidity.*

**Keywords:** *Pulmonary TB, Smoking Habit, Contact History, Humidity*