

***Analysis of Factors Associated with Adherence to Anti-Tuberculosis Treatment (OAT) in Tuberculosis Sufferers in 2024 at RSUD Dr. H. Koesnadi Bondowoso***

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**ABSTRACT**

*Tuberculosis (TB) is an infectious disease caused by germs *Mycobacterium tuberculosis* which can attack the lungs and other organs. TB treatment can be carried out for six months to nine months/more, in OAT treatment it must be taken consecutively and must not be interrupted, this can lead to drug resistance and even death. In 2023 at RSUD dr. H. Koesnadi, the number of patients who underwent treatment was 120 and 5 patients experienced failure in treatment so that the compliance rate reached 87%, this is still below the indicator treatment success rate namely 90%. This study aims to analyze factors related to adherence to taking OAT based on the results of questionnaires at the Lung Polytechnic of RSUD dr. H. Koesnadi Bondowoso, This type of research is an analytical observational approach cross sectional. The sample used was 89 sufferers using quota sampling. One of the causes of failure to cure TB sufferers is the compliance factor. Compliance is influenced by factors such as age, gender, level of education, knowledge, attitudes and the role of the PMO. Data were analyzed univariately with the chi-square test. Research results: shows age ( $p = 0,927$ ), gender ( $p = 0,369$ ), level of education ( $p = 0.007$ ), knowledge ( $p = 0,002$ ), attitude ( $p = 0,010$ ), the role of the PMO ( $p = 0,005$ ). Conclusion: High level of education, good knowledge, good attitude and good PMO role are factors related to adherence to taking OAT. Based on the results of this research, it is recommended that hospitals provide more intensive education to patients who have low education, poor knowledge, poor attitudes, and training for PMOs who are not good enough to understand their duties as PMOs.*

**Keywords:** *Tuberculosis, Cross Sectional, Adherence to drinking OAT, Factors causing compliance.*