

## **ABSTRACT**

*Indonesia as one of the countries in the high burden category of Tuberculosis, is ranked fifth after India, China, South Africa, and Nigeria with the number of Tuberculosis patients of 429 thousand people. Various factors affect the spread of this disease include contact with an infected person, the distance between healthy people and the infected person, environmental factors, and human immune itself. Modeling and simulating the spread of disease by using Agent Based Modeling is one way for people to know how tuberculosis disease spreads through people infected with diseases and healthy people. Simulate the development of Tuberculosis disease through several factors such as environment, healthy humans and infected humans. This research is implemented using NetLogo.*

*Keywords : Agent System, NetLogo, Simulation.*