

Analysis and Mapping Of The Spread Of Tuberculosis (Tb) Using A Website-Based Geographic Information System in Jember Regency

Tasya Nadia Hanin

*Health Information Management Study Program
Department of Health*

ABSTRACT

TB is the second public health problem in Jember Regency. For the 2020-2022 period, TB program achievement indicators have not met the target of the East Java Province TB Program Achievement Guidelines. The Jember District Health Office does not yet have a TB education and socialization information system. The purpose of the study was to make WebGIS TB as a geographical picture of the spread of TB. Type of Research and Development research with waterfall and QGIS development methods for making maps of Jember Regency. Data analysis using univariate analysis. Data collection method through observation, interview, and documentation to the Head of P2P and TB Wasor at P2P Health Office Jember. This study produced a TB WebGIS that displays a map of TB distribution based on three indicators of TB program achievements, namely TB discovery, child TB discovery, and TB treatment success rate. In addition, it provides a list of TCMs in healthcare facilities as well as graph reports and tables. It is hoped that WebGIS TB can help the Jember Health Office monitor TB and report materials for TB control policy decision-making considerations in identified sub-districts that have not reached the target of TB discovery and success rates. Become a media accessed by health practitioners and the public as an effort to overcome TB in Jember Regency.

Keywords: *Tuberculosis, WebGIS, Discovery of tuberculosis, successful treatment*