

## ABSTRACT

### **Effort in increasing participation of cadre in finding suspected tuberculosis by using short message service (SMS) gateway (Case Study at Primary Health Care Dasan Tapen Gerung Sub-district, West Lombok District, West Nusa Tenggara)**

In 2013 there were 6,800 new cases of TB every year, more than 55% TB patients has not detected yet or has not had any adequate treatment. In 2012 to 2014, the number of the TB suspected patients found at Primary Health Care Dasan Tapen, West Lombok was 37.6% which is still considered low compared to the national goal (50%). The finding of the TB patients at Primary Health Care Dasan Tapen was passive case finding. This research aimed to actively increasing the participation of cadre in finding the new suspected TB by using SMS Gateway. This research uses pre experimental design with pre test and post test. The research population was all regions that covered by Primary Health Care at Dasan Tapen, West Lombok that consists of 44 sub villages with the unit analysis were cadres. This research used simple random sampling as much as 31 sub villages as sample. Every sub village is represented by one person that met the inclusive criteria. Data analyzed by T test and linier regression test. The result of the research showed there were difference among alignment ( $P=0.037$ ), capability ( $P=0.000$ ) and participation ( $P=0.000$ ) of cadre before and after the training and the application of the system. In the linier regression test showed that there were no significant influence between alignment ( $P=0.136$ ), capability ( $P=0.948$ ) on the cadre participation in finding suspected TB, the variable that showed strong and significant influence is trust ( $P=0.028$ ). Based on the result of this research, it is suggested that to increasing alignment, capability, trust and cadre participation in finding suspected TB should be done with training. The trust of cadre in finding the suspected TB patient need to be improved due to its strong influence in increasing the finding of the suspected TB. In finding the suspected TB needs cadre participation. Cadre participation can help health officers to find suspected TB patient since cadre knows more about its community.

Keywords : SMS gateway, Suspected tuberculosis, cadre, active case finding