

## ABSTRACT

### PROFILE OF PUBLIC KNOWLEDGE ABOUT ANTIBIOTICS AND THEIR USE (Study in West Surabaya)

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One of the treatment of infectious diseases is using antibiotics. Antibiotics use needs to be based on a knowledge about antibiotics and their use because it's effect on the success of therapy and to prevent the spread of resistance. This research was intended to analyze the profile of public knowledge in West Surabaya about antibiotics and their use. The research was conducted in West Surabaya on May 2010. The samples taken in this research were 100 respondents who came to the pharmacies, bought and used antibiotics with and without prescription, aged over 20 years, could read, and willing to become respondents. The respondents were taken by a non-random sampling method. Accidental sampling method performed by taking 100 respondents who were taken from a pharmacies in each area of West Surabaya. The instrument used was a questionnaire. The questions in the questionnaire have been validated. The research found that 76% of public have low knowledge and 24% have high knowledge about antibiotics and their use. This research can provide a input information for pharmacists and other health professionals in order to improve the quality of gave the information about antibiotics and their use in West Surabaya, in order to achieve optimal therapy and minimal side effects of antibiotics.

*Key words: Profile of knowledge, Public in West Surabaya, Antibiotics and their use.*