DETERMINANTS OF VISUAL INSPECTION ACETYL ACID UTILIZATION ON EARLY DETECTION OF CERVICAL CANCER

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ABSTRACT

Background: Visual inspection acetyl acid (VIA) test is an effective screening test to reduce the risk of cervical cancer. Previous studies using the Health Belief Model (HBM) as a framework have typically found it to be useful in predicting health behavior. However, empirical evidence regarding the application of HBM constructs to predict VIA test utilization behavior remains scant. This study aimed to examine the determinants of VIA utilization on early detection of cervical cancer using HBM model.

Subjects and Method: This was a case control study conducted at Wongsorejo Community Health Center, Banyuwangi, East Java, from February to March 2019. A sample of 200 women of reproductive age was selected by fixed disease sampling. The dependent variable was visual acetic acid use. The independent variables were knowledge, attitude, access, and husband support. The data were collected by questionnaire and analyzed by a multiple logistic regression.

Results: Low VIA screening use was affected by low knowledge (OR= 4.70; 95% CI= 1.99 to 11.09; $p < 0.001$), negative attitude (OR= 3.59; 95% CI= 1.60 to 8.04; $p = 0.002$), poor access (OR= 3.18; 95% CI= 1.34 to 7.53; $p = 0.009$), and weak husband support (OR= 3.01; 95% CI= 1.35 to 6.70; $p = 0.007$).

Conclusion: Low VIA screening use is affected by low knowledge, negative attitude, poor access, and weak husband support.

Keywords: Visual Acetic Acid, screening Health Belief Model

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