

## ABSTRACT

Soeryati, Aris 2014 *Fine Needle Aspiration Biopsy (FNAB) diagnostic test with histopathology check as gold standard in breast cancer patient in RSUD dr. Soehadi Prijonegoro Sragen*. Program Analyst D-IV Studies, Faculty of Health Sciences University of Setia Budi.

Cancer is the most common type of disease that found in the breast. In Indonesia the number of illness and mortality of breast cancer is still on the second rank of malignancy in women after cervical cancer. Some ways used to detect breast cancer, like Fine Needle Aspiration Biopsy (FNAB). This study aims to determine the diagnostic value of FNAB examination in patients with breast cancer.

The study design used was analytic observational diagnostic test method using retrospective data taken from January 2011 - December 2013. This study was conducted in RSUD dr. Soehadi Prijonegoro Sragen, the sample is 50 samples, the examination of FNAB compared to the gold standard histopathological examination showed 31 positive cases, for the examination of FNAB positive and negative histopathology there are 3 cases of breast cancer, and for histopathological examination of the positive and negative FNAB 2 cases, while the negative results on both tests, there were 14 cases.

The results of the analyst examination of FNAB diagnostic sensitivity is 93.90%; specificity of 82.35%; predictive value of positive results of 91.18%; Negative predictive value of 87.5% results; positive probability ratio 5.17; Negative probability ratio of 0.08; and accuracy 90%.

***Keywords: Diagnostic test, FNAB, breast cancer.***