

**DIAGNOSABILITY CALIFORNIA MASTITIS TEST COMPARED TO
WHITESIDE TEST AND IPB-1 TEST OF MASTITIS AT
LIVESTOCK OF DAIRY CATTLE IN SURABAYA**

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ABSTRACT

This research was aimed to know the level of diagnosability Whiteside Test and the IPB-1 Test compared to California Mastitis Test to mastitis at livestock of dairy cattle in Surabaya. As much 141 samples of milk quarter from 36 cows was taken away from seven location of dairy cattle in Surabaya, and it was tested by using California Mastitis Test, Whiteside Test and the IPB-1 Test. Data was obtained from examination by using California Mastitis Test and the IPB-1 Test that is negative (-), positive 1 (+1), positive 2 (+2) and positive 3 (+3) while examination by using Whiteside Test showed negative (-), positive (+). The data was analyzed with the calculation of sensitivity, specification and predictive value from each test and here in after known the diagnosability from each test. Result of research showed that the sensitivity the IPB-1 Test is better than California Mastitis Test so also the sensitivity of Whiteside Test. The specification and predictive value of California Mastitis Test is better compared to Whiteside Test and the IPB-1 Test. The diagnosability of California Mastitis Test is different compared to Whiteside Test and the IPB-1 Test, California Mastitis Test is the best.

Key words : California Mastitis Test, Whiteside Test, IPB-1 Test