

## **ABSTRACT**

### **DIAGNOSTIC TEST OF DIASPOT<sup>®</sup> HBsAg *RAPID TEST* TO DIAGNOSE HEPATITIS B INFECTION IN URIP SUMOHARJO HOSPITAL BANDAR LAMPUNG**

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Hepatitis virus still the one of serious problem in the world. Incidence of hepatitis is high relatively in Indonesia and become public health problem in many place. Hepatitis B Virus infected more 2 billion people in the world and about 240 million people remain infected chronically. Rapid tests are used to diagnose and screening to the infection disease. This rapid tests are simple to perform, do not require equipment, easy to interpret and their reagents can generally be stored at room temperature. This study was a descriptive analytic with cross sectional study. The population in this study were suspected patients of Hepatitis B Virus in the laboratory of Clinical Pathology Urip Sumoharjo Bandar Lampung Hospital. The sampling technique was used consecutive sampling. Samples of this study were 30 samples. The result of Diaspot<sup>®</sup> HBsAg rapid test has 95.7% of AUC with sensitivity 91.3% and spesificity 100%. Conclusion, *Rapid test* HBsAg Diaspot<sup>®</sup> has sensitivity and spesificity that approach to standard recommendation from World Health Organization.

**Key word:** HBsAg, Hepatitis B Virus, Rapid test